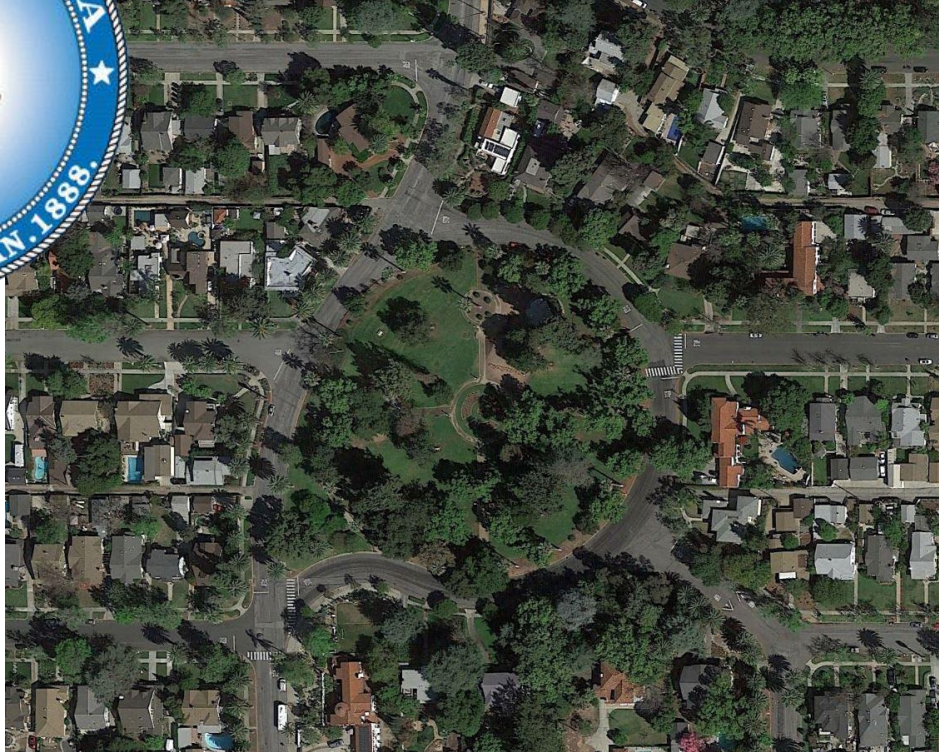


City of Pomona Parks and Recreation Commission



Lincoln Park ADA Improvements Project
May 18, 2017

Project Overview

- Approval to allow ADA Accessibility -and - pedestrian supportive improvements to Lincoln Park;

(and, through following surrounding street intersections:

- Palomares St. & Jefferson Ave./Como Dr.
- Palomares St. & Lincoln Ave.
- Palomares St. & Como Dr./Lincoln Ave.
- Como Dr./Lincoln Ave. & Lincoln Ave.
- Como Dr./Jefferson Ave. & Jefferson Ave.)

Project Overview Continued

- Lincoln Park and the subject street intersections are located within the Lincoln Park Historic District and the Historic Preservation Commission (HPC) approval has been obtained;
- Doing nothing is not an option
 - Litigation History and Status
 - Potential Damages

Parks & Rec. Comm. Approval Requested

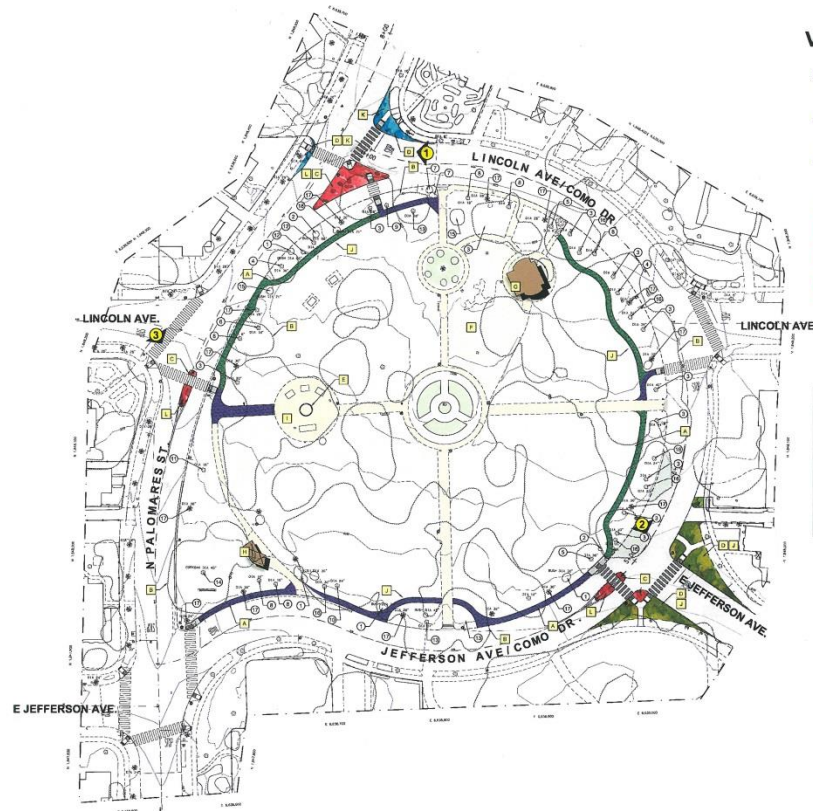
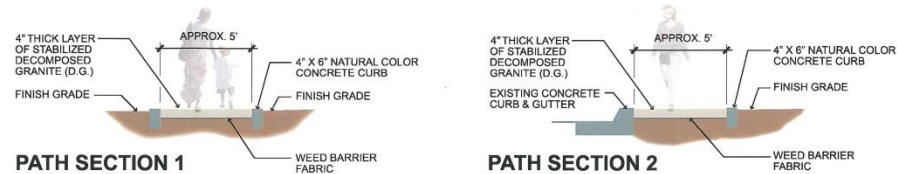
Site Plan- Approved by HPC on 5/3/17

EXISTING PLANT LEGEND

BOTANICAL NAME	COMMON NAME
① ABELIA GRANDIFLORA	GLOSSY ABELIA
② CAMELLIA SPP.	CAMELLIA
③ CINNAMOMUM CAMPHORA	CAMPHOR TREE
④ CUPANIOPSIS ANACARDIODES	CARROTWOOD
⑤ FEUJA SELLOWIANA	PINEAPPLE GUAVA
⑥ FRAXINUS SPP.	ASH
⑦ JUNIPERUS SPP.	JUNIPER
⑧ LAGERSTROEMIA SPP.	CRAPE MYRTLE
⑨ PITTOSPORUM TOBIRA	MOCK ORANGE
⑩ PITTOSPORUM TOBIRA 'VARIEGATA'	MOCK ORANGE
⑪ PLATANUS RACEMOSA	CALIFORNIA SYCAMORE
⑫ PYRUS SPP.	EVERGREEN PEAR
⑬ QUERCUS AGRIFOLIA	COAST LIVE OAK
⑭ QUERCUS SUBER	CORK OAK
⑮ RHAPHIOLEPIS SPP.	INDIAN HAWTHORN
⑯ VACCINIUM SPP.	BLUEBERRIES
⑰ WASHINGTONIA SPP.	FAN PALM
⑱ LAURUS NOBILIS	SWEET BAY

CONSTRUCTION LEGEND

- A** 5' WIDE DECOMPOSED GRANITE PATH. REFER TO SECTIONS HEREON.
- B** EXISTING TREES & SHRUBS SHALL REMAIN & BE PROTECTED. #3 DENOTE PLANT MATERIAL PER PLANT LEGEND HEREON.
- C** MEDIAN WITH PAINTED CROSS WALK.
- D** DENOTES PROPOSED BULB-OUT.
- E** EXISTING PLANTER WALL SHALL REMAIN, BE PROTECTED & REPAIRED.
- F** EXISTING TOT LOT AND PLAY EQUIPMENT SHALL REMAIN & BE PROTECTED.
- G** EXISTING RESTROOM BUILDING SHALL REMAIN & BE PROTECTED.
- H** EXISTING SHADE STRUCTURE SHALL REMAIN & BE PROTECTED.
- I** EXISTING PLAZA SHALL BE REFURBISHED:
 - REGRADE FOR ADA ACCESSIBILITY
 - EXISTING CONCRETE MOSAIC PAVING TO BE REMOVED AND REPLACED WITH RECYCLED BRICK PAVING AND BANDING
 - DOUBLE ROW BRICK BAND TO BE RESET AT BASE OF TREE PLANTER AND SET IN SAND SUB BASE
 - EXISTING BRICKS, TRASH RECEPTACLES, & THREE (3) EXISTING PICNIC TABLES SHALL REMAIN & BE PROTECTED. ONE (1) NEW ADA PICNIC TABLE SHALL BE INCLUDED IN PLAZA
- J** NEW TURF SHALL BE HYDROSEEDED WHERE NEW PATH WAS CONSTRUCTED
- K** SUCCULENT PLANTING AREA
- L** RECYCLED BRICK PAVING



VIEW LEGEND

- 1** COMO DR. & N. PALOMARES ST.
- 2** COMO DR. & E. JEFFERSON AVE.
- 3** N. PALOMARES ST. & LINCOLN AVE.
- BASE BID**
- ALTERNATE BID**
- BRICK AREA**
- SUCCULENT PLANTING AREA**

NOTE:
 1. VIEWS CORRESPOND TO STREET VIEW PERSPECTIVE DESIGN SIMULATIONS.
 2. PROPOSED BULB-OUT IRRIGATION FOR NEW BULB-OUT PLANTING AREAS SHALL BE TIED-INTO HOMEOWNER IRRIGATION SYSTEM.
 3. UNLESS OTHERWISE NOTED, EXISTING D.G. PATH SHALL REMAIN & BE PROTECTED.

SITE LAYOUT PLAN
LINCOLN PARK
 CITY OF POMONA, CA

SCALE: 1" = 30'-0"



Stantec

NUVIS
 LANDSCAPE ARCHITECTURE
 CA 1981 NV308
 10/15/15 04/27/2017
 SHT 1 OF 7

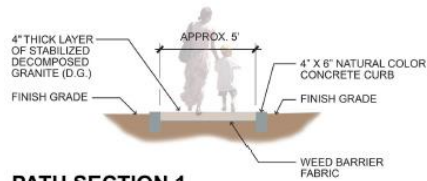
Previously Proposed Improvements

EXISTING PLANT LEGEND

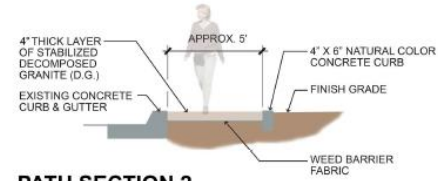
BOTANICAL NAME	COMMON NAME
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5 FEUJOA SELLOWIANA	PINEAPPLE GUAVA
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17 WASHINGTONIA SPP.	FAN PALM
18 LAURUS NOBILIS	SWEET BAY

CONSTRUCTION LEGEND

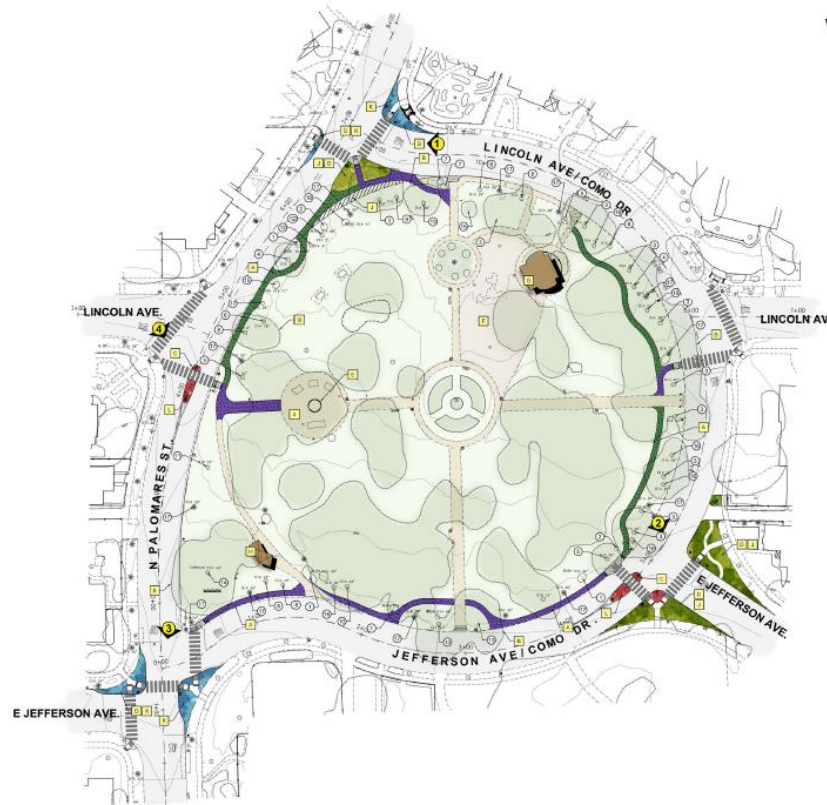
- A** 5' WIDE DECOMPOSED GRANITE PATH. REFER TO SECTIONS HEREON.
- B** EXISTING TREES & SHRUBS SHALL REMAIN & BE PROTECTED. F'S DENOTE PLANT MATERIAL PER PLANT LEGEND HEREON.
- C** MEDIAN WITH PAINTED CROSS WALK, RUNNING FROM PARK TO RESIDENTIAL, SIDE OF STREET.
- D** DENOTES PROPOSED BULB-OUT.
- E** EXISTING PLANTER WALL SHALL REMAIN, BE PROTECTED & REPAIRED.
- F** EXISTING TOT LOT AND PLAY EQUIPMENT SHALL REMAIN & BE PROTECTED.
- G** EXISTING RESTROOM BUILDING SHALL REMAIN & BE PROTECTED.
- H** EXISTING SHADE STRUCTURE SHALL REMAIN & BE PROTECTED.
- I** EXISTING PLAZA SHALL BE REFURBISHED:
 - REGRADING FOR ADA ACCESSIBILITY
 - EXISTING CONCRETE MOSAIC PAVING TO BE REMOVED AND REPLACED WITH STABILIZED D.G.
 - MOSAIC BAND TO BE RESET AT BASE OF TREE PLANTER SHALL BE SET IN STABILIZED DECOMPOSED GRANITE (D.G.)
 - EXISTING BBQ'S, TRASH RECEPTACLES, & THREE (3) EXISTING PICNIC TABLES SHALL REMAIN & BE PROTECTED. ONE (1) NEW ADA PICNIC TABLE SHALL BE INCLUDED IN PLAZA.
- J** NEW TURF AREA
- K** SUCCULENT PLANTING AREA
- L** RECYCLED BRICK PAVING



PATH SECTION 1



PATH SECTION 2



VIEW LEGEND

- 1** COMO DR. & N. PALOMARES ST.
- 2** COMO DR. & E. JEFFERSON AVE.
- 3** N PALOMARES ST. & E. JEFFERSON AVE.
- 4** N. PALOMARES ST. & LINCOLN AVE.
- BASE BID**
- ALTERNATE BID**
- BRICK AREA**
- TURF AREA**
- SUCCULENT PLANTING AREA**

NOTE: VIEWS CORRESPOND TO STREET VIEW PERSPECTIVE DESIGN SIMULATIONS

SITE LAYOUT PLAN
LINCOLN PARK
CITY OF POMONA, CA



Stantec
NUVIS
LANDSCAPE ARCHITECTURE
CA 91761, 91762
91012, 91013, 91014
SHT 1 OF 7

SCALE: 1" = 30'-0"
0' 30' 60'

Recommendation

Staff recommends that the Parks & Recreation Commission approve the ADA Accessibility - and -pedestrian supportive improvements to Lincoln Park, as approved on May 3, 2017 by the Historic Preservation Commission.



Project Overview Continued

Based on analysis of the existing configuration of the park and the surrounding intersections, other pedestrian supporting modifications/ improvements are being proposed at street intersections in addition to proposed curb ramps, in order to minimize adverse effects to pedestrians.

Therefore, the Project Objective is to:

- Provide ADA required access to, from, and through Lincoln Park –And – the surrounding intersections, and
- Provide pedestrian supporting of crossings, pathways and improvements (traffic calming and control devices)

Project Overview Continued

A proactive design approach is used for developing the recommended and potential alternative plans being presented.

This proactive design approach provides ADA access with pedestrian supporting improvements through the following features:

- Respect and maintain the Historic Lincoln Park District
- Help identify crosswalks to drivers
- Make pedestrians more visible to motorists and cars more visible to pedestrians (sight visibility)
- Reduce crossing distances for pedestrians
- Reduce exposure time experienced by a pedestrian at an intersection
- Provides refuge area for pedestrians to wait at median islands while encouraging drivers to slow down
- Tighten intersection curb radii and encourage slower turning speeds
- Implement a “gateway” treatment and mark the transition to slower speed on Palomares Street along Lincoln Park and,
- In general, prevent risk-taking behavior (pedestrian and motorists)
- Promote an ADA accessible environment with pedestrian supporting improvements

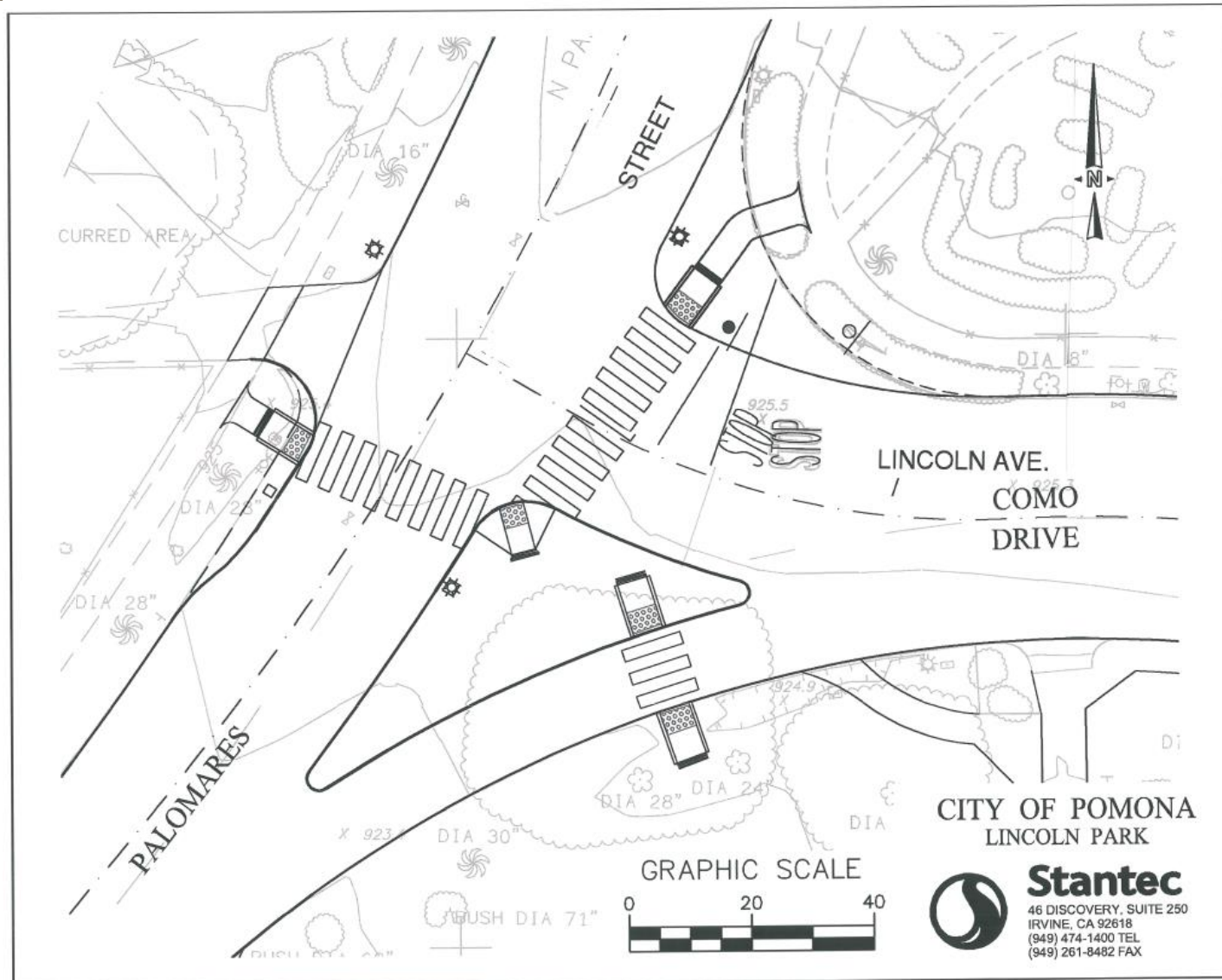
Project Overview Continued

- In addition to curb ramps, the following issues warrant other pedestrian supportive improvements:
 - Existing Intersection widths and existing large radii curves promote faster speeds around corners
 - need smaller radii curve improvements to support ADA/pedestrian movements
 - Pedestrians and vehicular traffic volumes warrant a change in intersection configuration
 - Use of speed humps inappropriate due to need to place in/near intersections, and that speed humps are still under moratorium

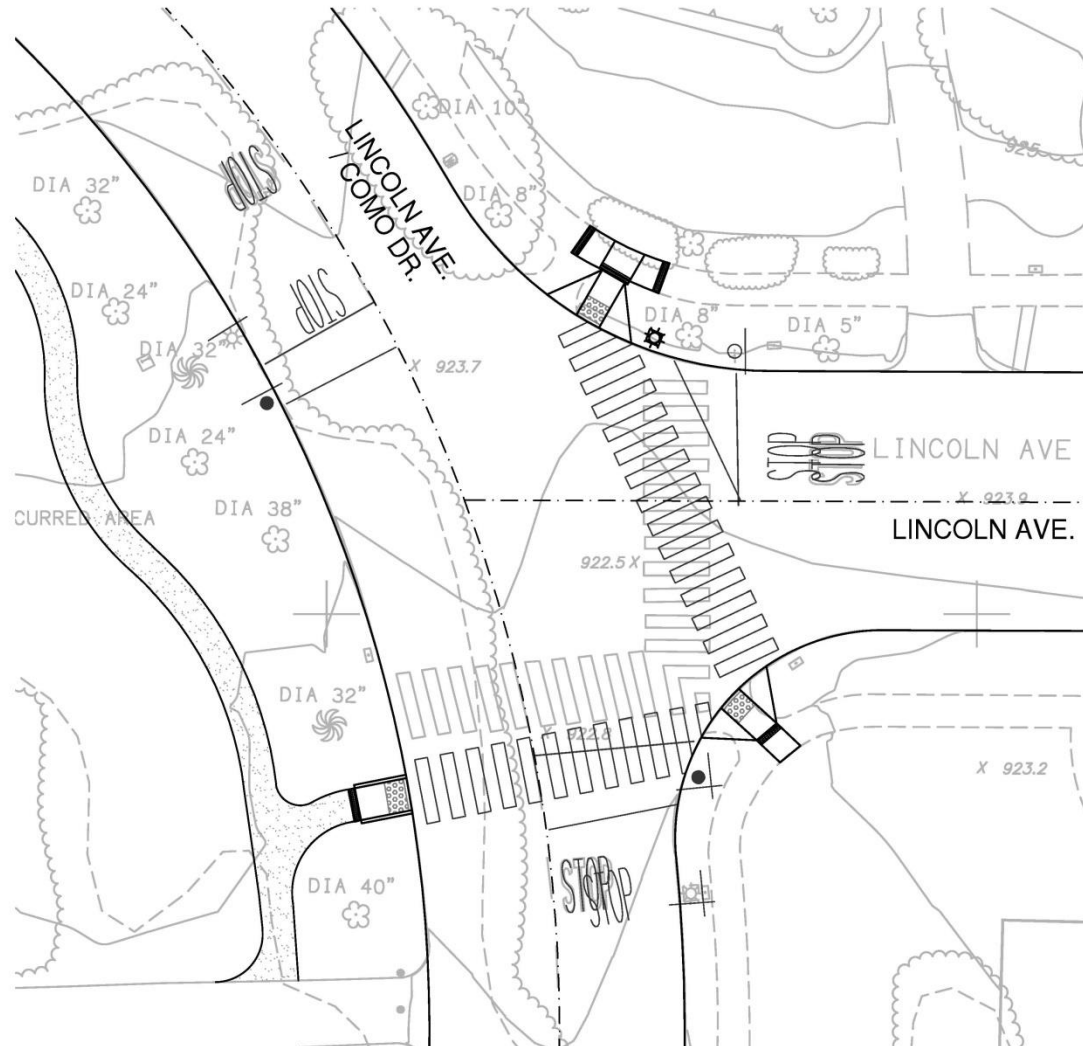
Community Meetings

- **Community Meeting#1- July 12, 2016**
 - Various comments addressed in current project plans
- **HPC Meeting #1- November 2, 2016**
 - Various comments addressed & Requested Approval
- **Community Meeting #2-December 10, 2016**
 - Various comments addressed & Requested Approval
- **HPC Meeting #2- February 1, 2017**
 - Various comments addressed & Requested Approval
- **Parks & Rec. Commission Mtg. #1- February 16, 2017**
 - Presentation of Lincoln Park Project (Same as 2-1-17 HPC, No Alternatives)
- **HPC Meeting #3 - March 1, 2017**
 - Various comments addressed & Requested Approval
- **HPC Meeting #4 - May 3, 2017**
 - Approved plan

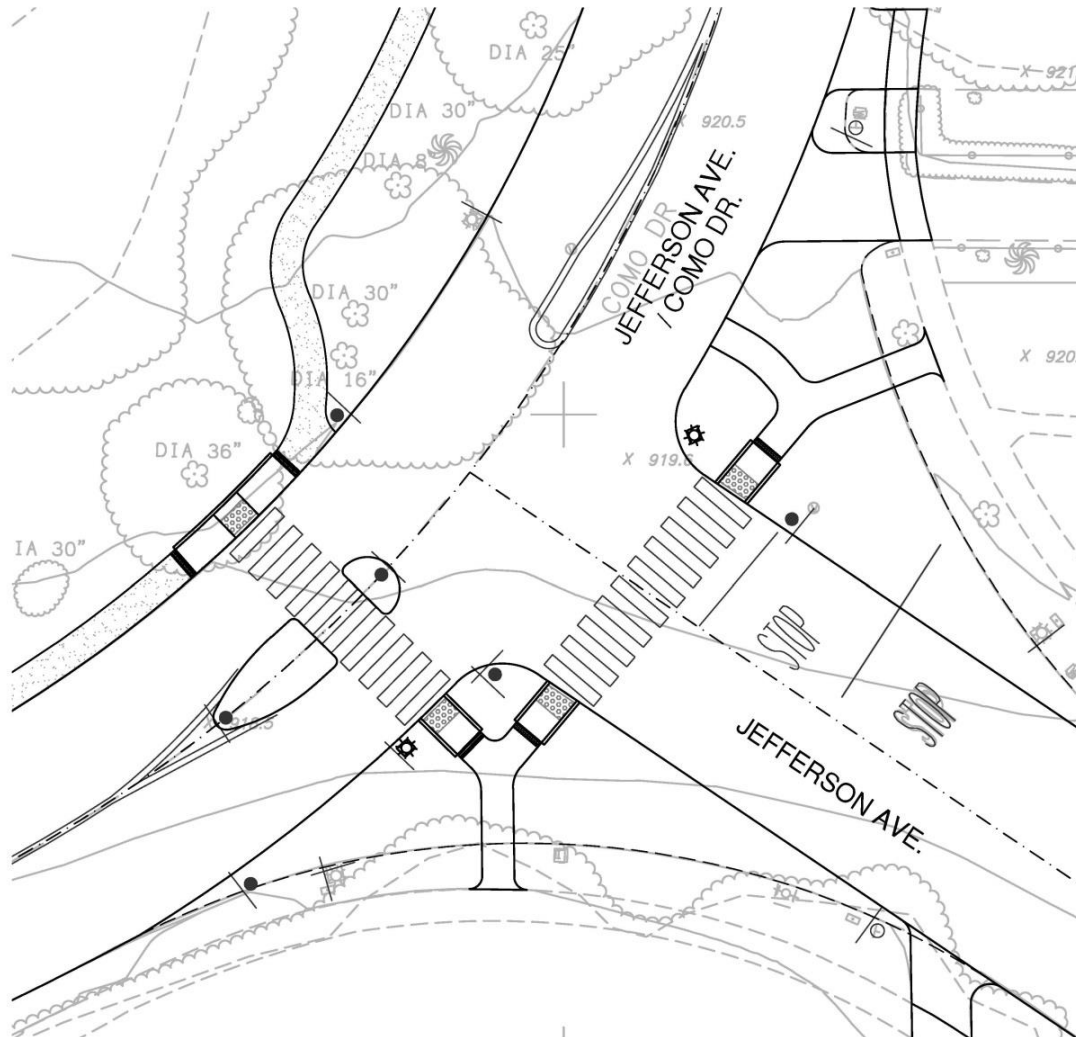
Site Plan- Palomares St./Lincoln Ave./Como Dr.



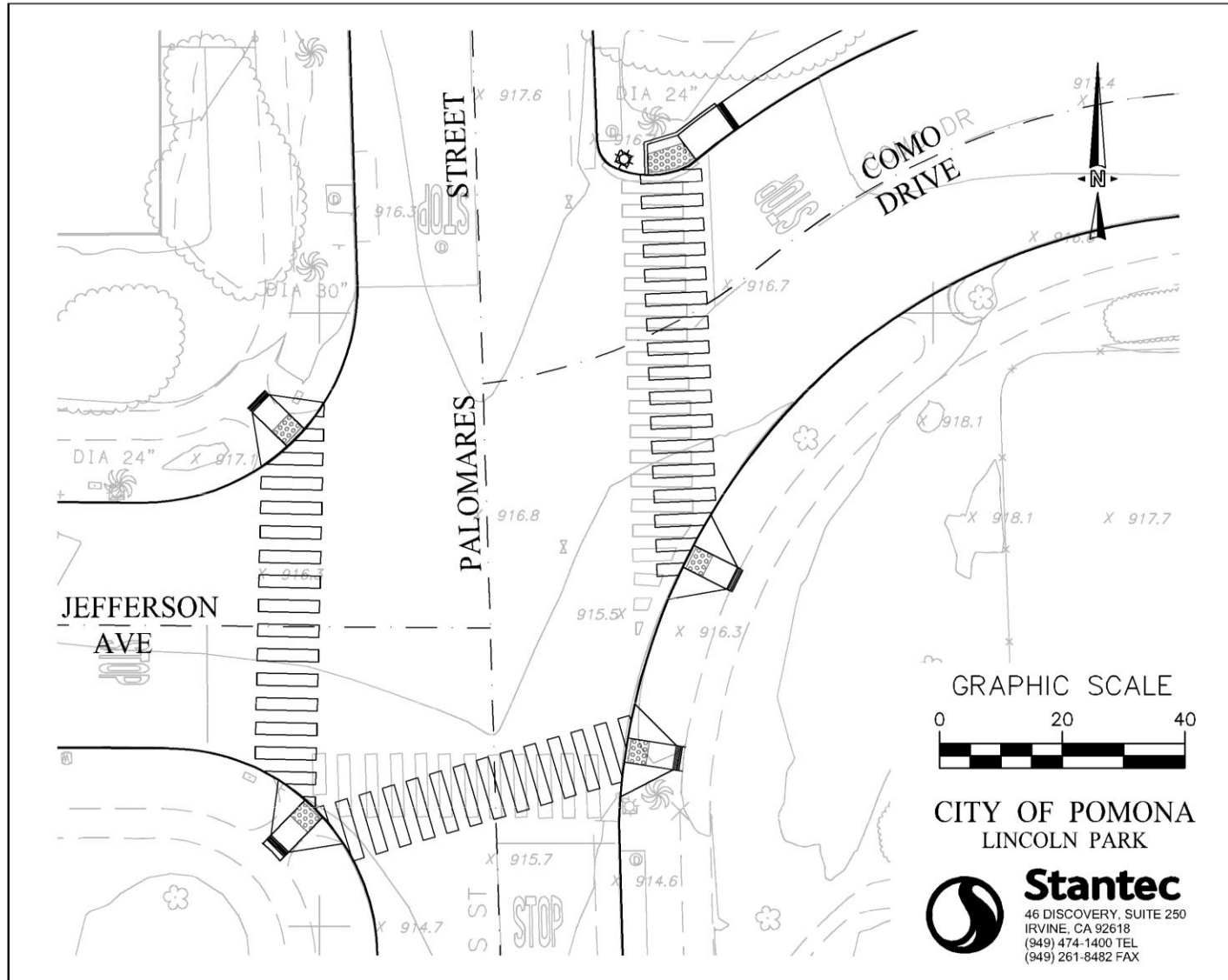
Recommended & Approved Site Plan- Lincoln Ave./Como Dr.



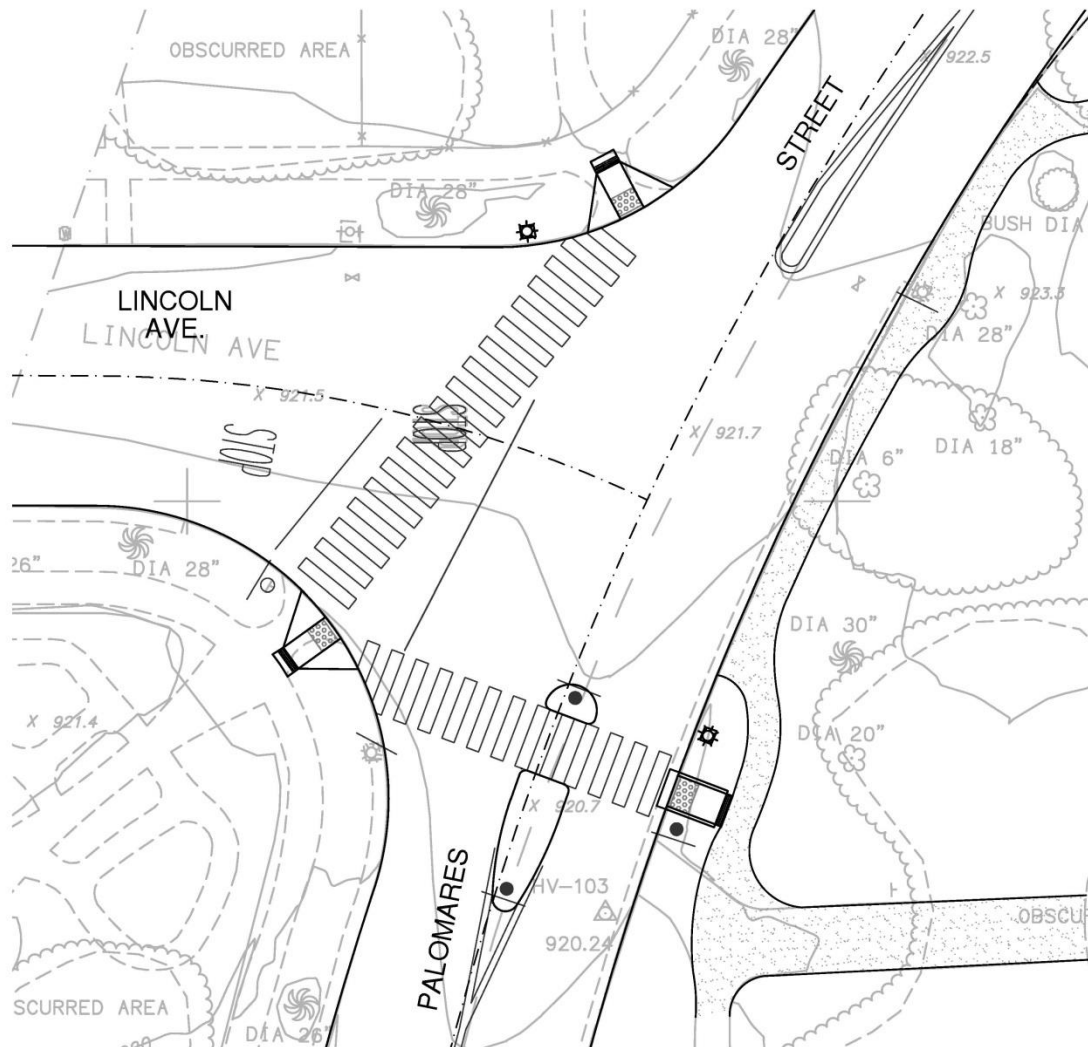
Recommended & Approved Site Plan- Jefferson Ave./Como Dr.



Site Plan- Palomares St/Jefferson Ave/Como Dr



Recommended & Approved Site Plan-Palomares St. & Lincoln Ave.



Renderings

Existing – Palomares St. at Lincoln / Como Dr.



Before

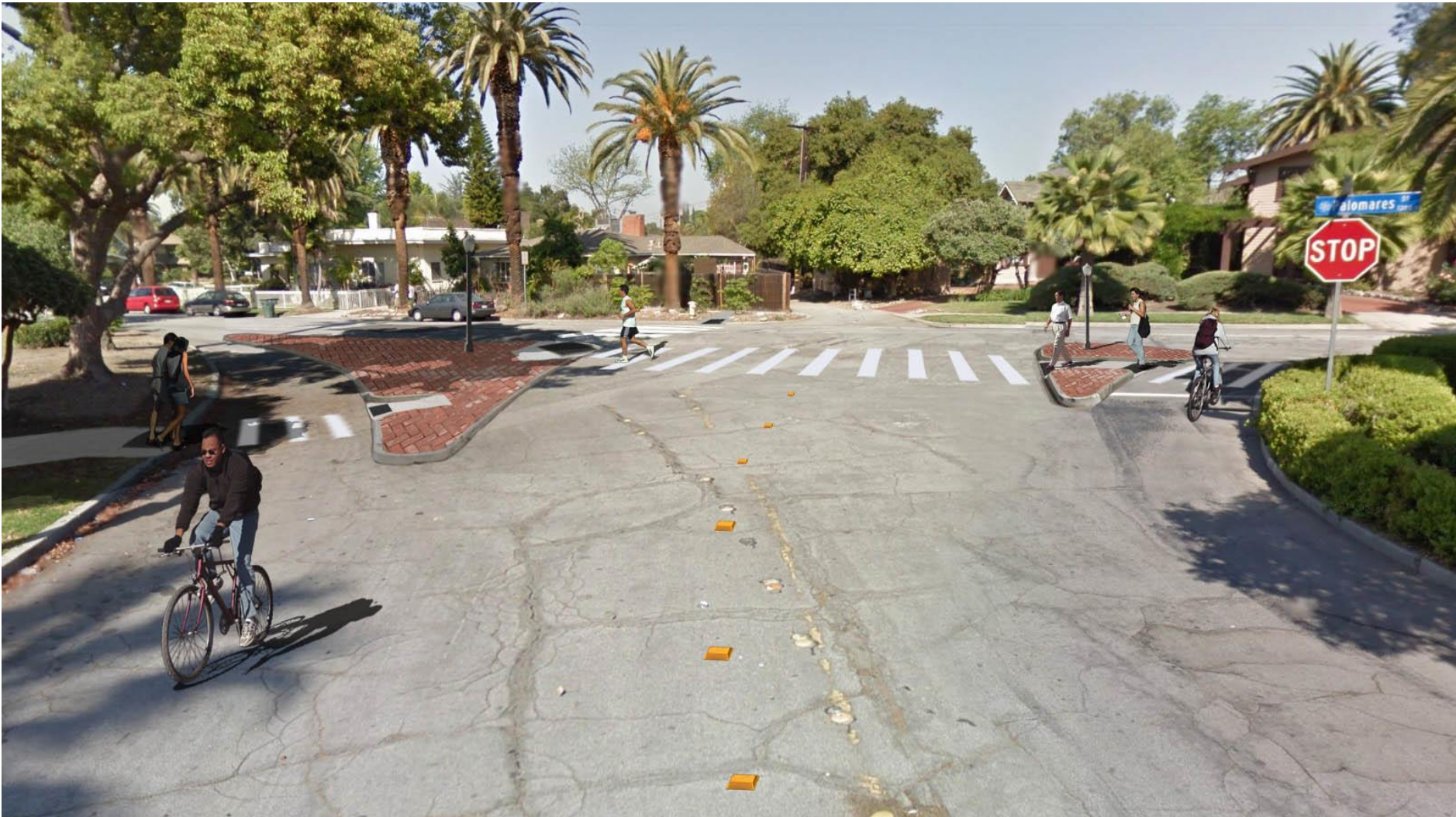
Rendering – Palomares St. at Lincoln / Como Dr.



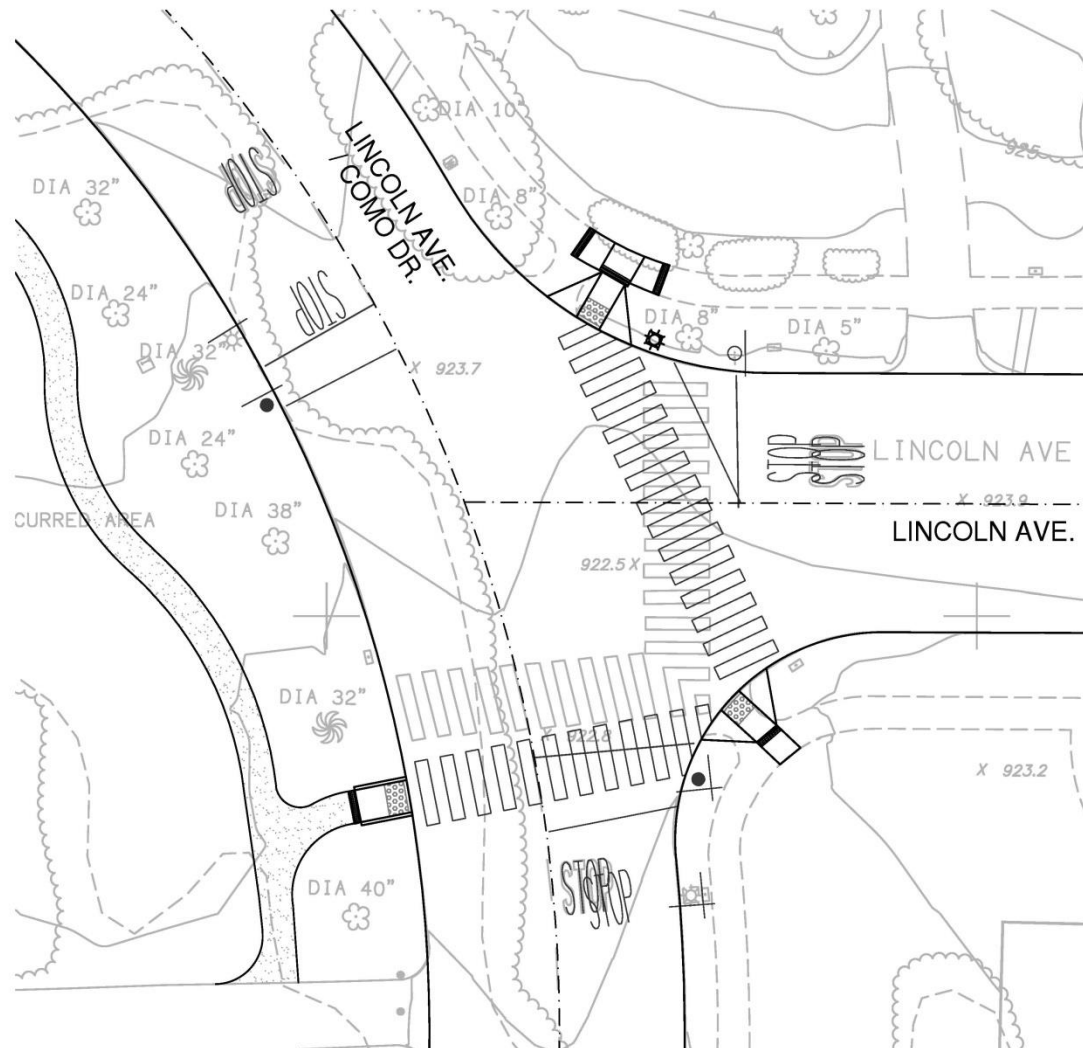
After

[illegible]

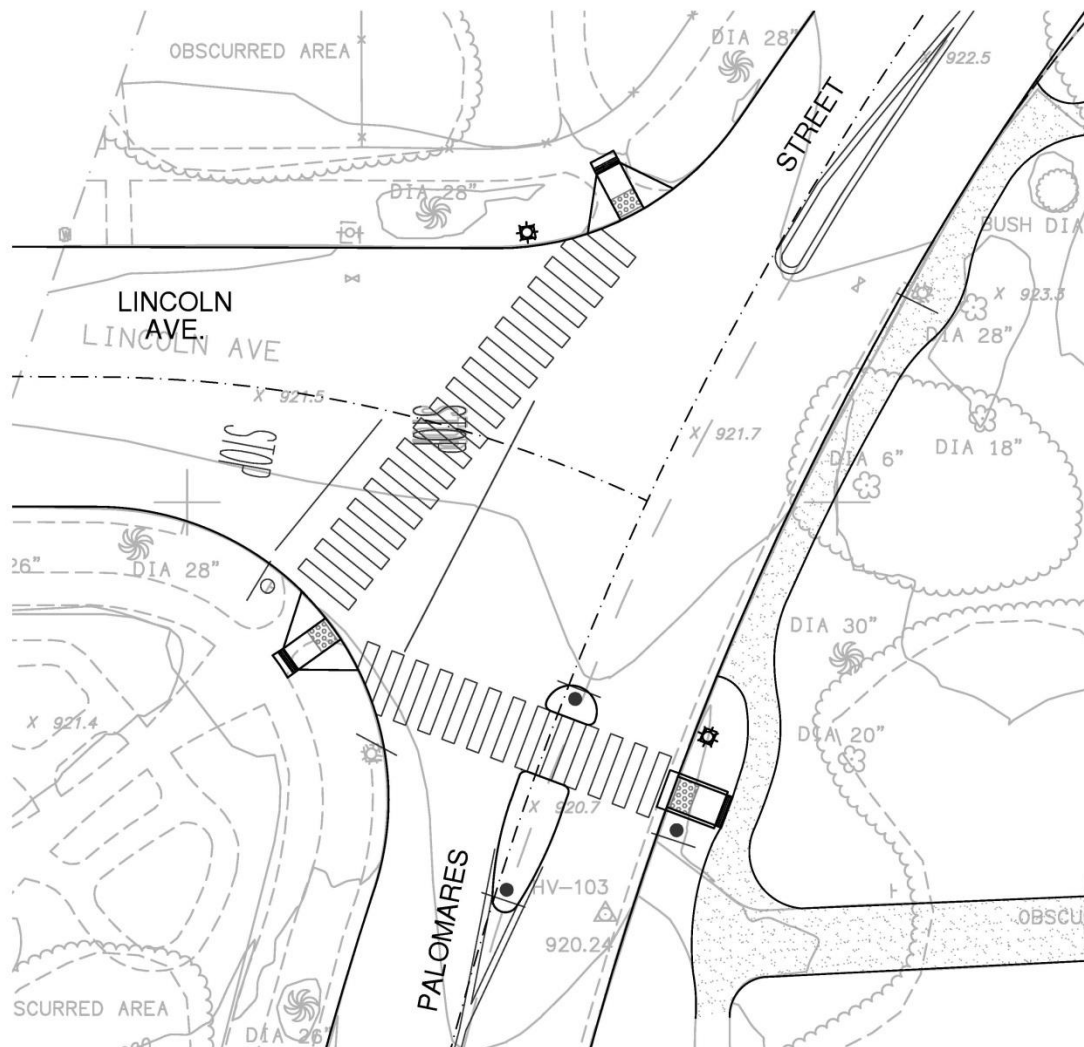
Rendering (replace N. side with bulbout) Palomares St. at Lincoln / Como Dr.



Intersection Improvements- Lincoln Ave./Como Dr. & Lincoln Ave. (to E.)



Intersection Improvements- Palomares St. & Lincoln Ave. (to W.)



Existing – Palomares St. at Lincoln Ave.



Before

Rendering Recommended Improvements & Potential Alternate 1- Palomares St. at Lincoln Ave.



BRICK OPTION

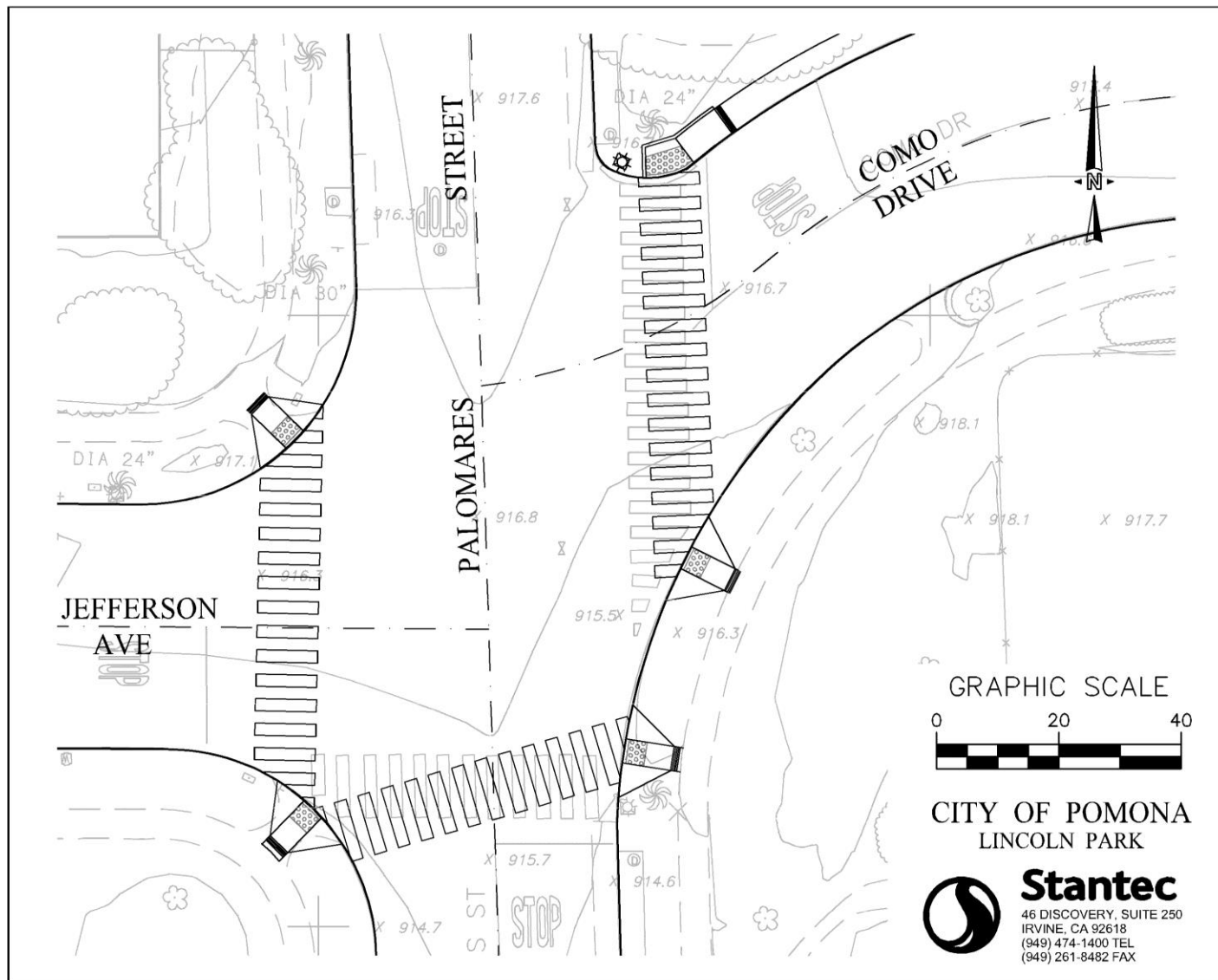
After

Existing – Palomares St. & Jefferson Ave./Como Dr.



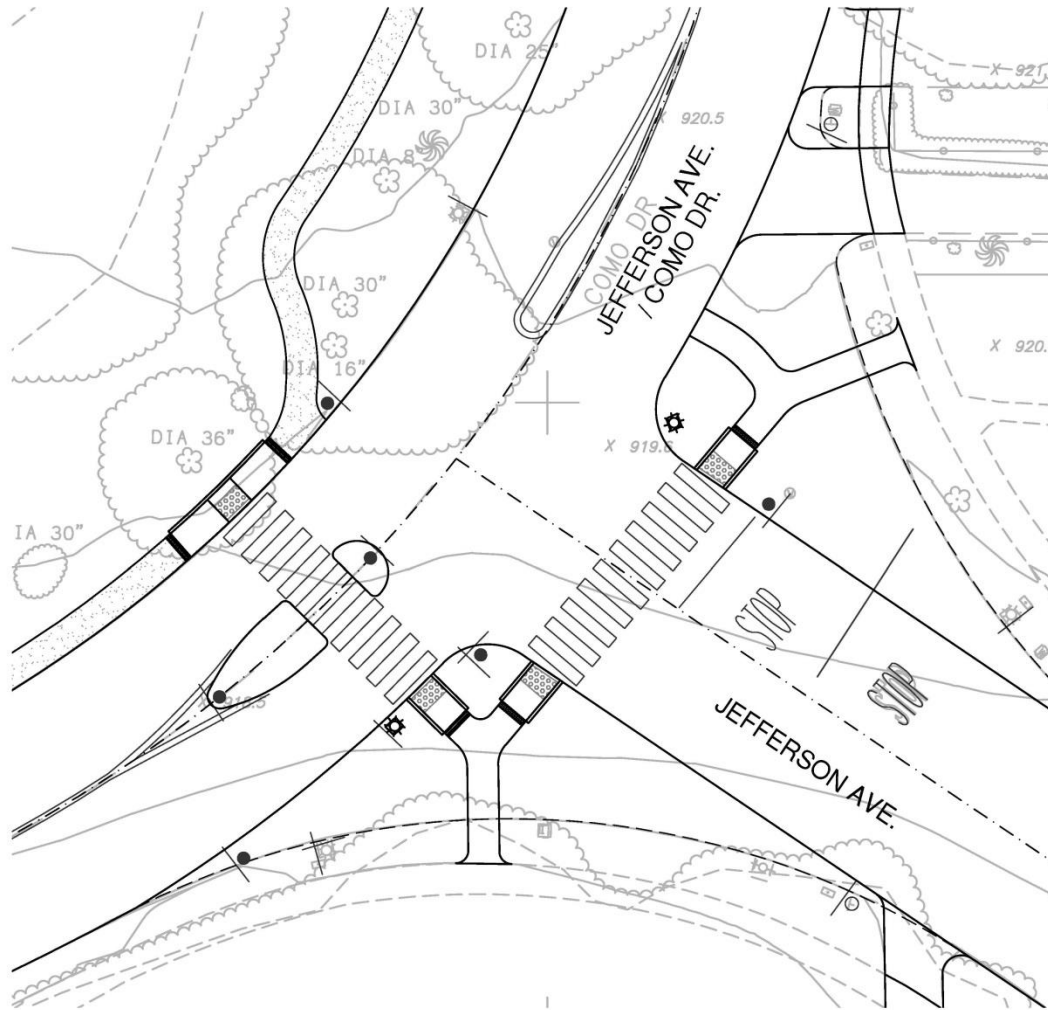
Before

Intersection Improvements- Palomares St. & Jefferson Ave./Como Dr. Potential Alternative 1



Intersection Improvements- Jefferson Ave. & Jefferson Ave./Como Dr.

*** no bulb-outs with Potential Alternative 1



Existing –Jefferson Ave./ Como Dr. & Jefferson Ave.



Before

Rendering –
Jefferson Ave./ Como Dr. & Jefferson Ave.
*** No bulb-outs with Potential Alternative 1



BRICK OPTION

After

Renderings – Plaza



PLAZA (BEFORE)



PLAZA (AFTER)

Lincoln Park
Berkeley, CA

Renderings – Plaza Planter Wall



Landscape Material Treatments

RECOMMENDED OPTIONS



BRICK
305 GARFIELD AVE.



BRICK
392 LINCOLN AVE.



HITCHING POST
1395 N. PALOMARES ST.

ALTERNATIVE OPTIONS



RIVER ROCK
397 E. KINSLEY AVE.



RIVER ROCK
255 E. JEFFERSON AVE.



CONCRETE MOSAIC
263 GARFIELD AVE.

Landscape Material Treatments

SUCCULENT PLANTING OPTION



AGAVE ATTENUATA



ALOE CAMEERONII



COTYLEDON ORBICULATA



CRASSULACEAE AEONIUM



EUPHORBIA TIRUCALLI



GALVEZIA SPECIOSA



SEDUM RUPESTRE



SENECIO SERPENS

Proposed Improvements



New street lights to match existing lights in Lincoln Park District



Pervious concrete material recommended as alternate at Plaza



Existing picnic tables



New ADA picnic table



CITY OF POMONA PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION CONSTRUCTION PLANS FOR LINCOLN PARK IMPROVEMENTS PROJECT NO. 428-81055

GENERAL NOTES:

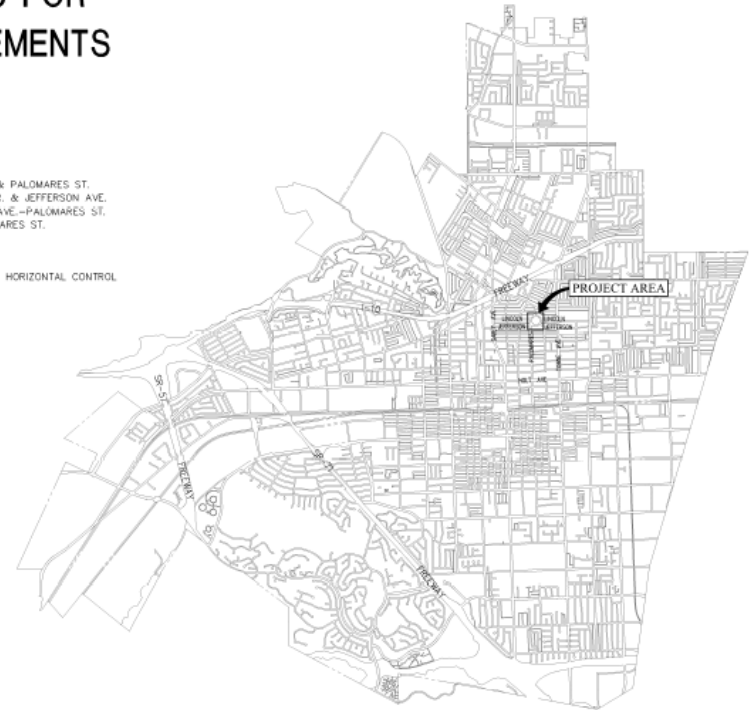
1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (A.P.W.A. STANDARD SPECIFICATIONS) AND STANDARDS OF THE CITY OF POMONA PUBLIC WORKS DEPARTMENT.
2. APPLICATION FOR EXCAVATION AND INSPECTION IN CONNECTION WITH WORK SHOWN ON THIS PLAN MUST BE MADE BY THE CONTRACTOR AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO STARTING ANY WORK.
3. WORK IN PUBLIC STREETS ONCE BEGUN SHALL BE PROSECUTED WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE TRAVELING PUBLIC.
4. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE CALIFORNIA MUTCD.
5. CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AT ALL TIMES.
6. CONTRACTOR SHALL PROTECT EXISTING IRRIGATION LINES AND SPRINKLER HEADS BEHIND EXISTING CURB. THE CONTRACTOR SHALL REPLACE ANY DAMAGED LINES AND SPRINKLER HEADS AT HIS OWN EXPENSE.
7. CONTRACTOR SHALL REPLACE TRAFFIC STRIPES, LEGENDS, LOOP DETECTORS AND MARKINGS DAMAGED DURING THE CONSTRUCTION OF THIS PROJECT. TRAFFIC STRIPES, PAVEMENT LEGENDS, RAISED PAVEMENT MARKINGS AND LOOP DETECTORS SHALL BE FOR THE 2003 CALIFORNIA MUTCD, CALIFORNIA STANDARD PLANS AND CALTRANS STANDARD SPECIFICATIONS 811, 812, AND 813, LATEST EDITIONS.
8. REFLECTORIZE ALL STRIPES AND LEGENDS. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND SHALL MATCH CITY STANDARDS OR CALTRANS STANDARDS.
9. TRAFFIC STRIPES AND MARKINGS SHALL BE THERMOPLASTIC.
10. STRIPING SHALL BE CAT-TRACKED AND APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO FINAL INSTALLATION.
11. CONTRACTOR SHALL RE-STRIP EXISTING STRIPING, MARKING ALL INTERSECTIONS, AND JOINING STREETS WITHIN 100' OF LIMITS OF PROJECT.
12. TYPE (D) 2-WAY BLUE REFLECTIVE MARKERS SHALL BE INSTALLED ADJACENT TO EXISTING FIRE HYDRANTS WITHIN THE LIMITS OF CONSTRUCTION PER STATE AND CITY STANDARDS.
13. AS BUILTS OF THE COMPLETED PROJECT SHALL BE SUBMITTED FOR APPROVAL OF THE CITY ENGINEER.
14. CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENTS IN WRITING AT LEAST TEN (10) FULL WORKING DAYS BEFORE ANY START OF CONSTRUCTION AS SPECIFIED.
15. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (UGA) ALERT AT 811, TWO (2) FULL WORKING DAYS PRIOR TO START OF WORK. THE CONTRACTOR MUST OBTAIN AND MAINTAIN UGA'S ALERT REFERENCE NUMBER THROUGH THE LIFE OF THE PROJECT AS NECESSARY FOR CONSTRUCTION.
16. CONTRACTOR SHALL PROJECT ALL CENTERLINE SURVEY MONUMENT AND CENTERLINE TIES AS SPECIFIED.
17. EXISTING STRIPES AND MARKINGS TO BE REMOVED SHALL BE DONE BY WET SANDBLASTING.
18. THE LOCATION OF EXISTING UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MUST BE OCCURRED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
19. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMP'S) TO CONTROL EROSION AND SEDIMENT AND PRESERVE WATER QUALITY TO THE MAXIMUM EXTENT POSSIBLE.
20. THE CITY OF POMONA WILL USE CORBESTONE AND DECOMPOSED GRANITE (D) WITHIN THE BLUE-OUT AREAS AS AN ALTERNATE LANDSCAPE MATERIAL FOR THE PROJECT IN THE EVENT THAT A RESIDENT DOES NOT REACH AN AGREEMENT WITH THE CITY FOR THEIR REQUESTED LANDSCAPE MATERIAL OR DOES NOT PROVIDE THE NECESSARY RIGHT OF ENTRY.

ABBREVIATIONS & SYMBOLS

PS	EXISTING STREET LIGHT	PP	POUNDS PER SQUARE INCH
PS	PROPOSED STREET LIGHT	PCC	PORTLAND CEMENT CONCRETE
PH	FIRE HYDRANT	INVERT	INVERT
WV	WATER VALVE	PROJ	PROPOSED
SGH	SEWER	HORZ	HORIZONTAL
W	WATER	VERT	VERTICAL
SE	SEWER	EX	EXISTING
SD	STORM DRAIN	EXST	EXISTING
G	GAS	MM	MANHOLE
GV	GAS VALVE	DND	DRAINAGE
EV	ELECTRIC	DRY	DRIVEWAY
EB	ELECTRIC PULL BOX	TEL	TELEPHONE
EV	ELECTRIC VALVE	ELECT	ELECTRICAL
DC	DETECTOR CHECK	NO	NUMBER
SL	STREET LIGHT	CONC	CONCRETE
SLB	STREET LIGHT PULL BOX	STD	STANDARD
FI	FIRE HYDRANT	CL	CENTER LINE
VP	VENT PIPE	FT	FEET
TL	TRAFFIC LIGHT	ST	STREET
TCP	TRAFFIC CONTROL PULL BOX	AB	AGGREGATE BASE
WB	WATER MAIN	AC	ASPHALT CONCRETE
MB	MAIL BOX	DEPT	DEPARTMENT
PD	PARKWAY DRAIN	PROJ	PROJECT
CB	CATCH BASIN	VOR	VITRIFIED CLAY PIPE
IP	INLET	ECR	END CURB RADIUS
GP	GATE POST	L	LENGTH
CF	CURB FACE	OB	GRADE BRAKE
MAX	MAXIMUM	R/W	RIGHT OF WAY
FT	FOOT	TOP	TOP OF PIPE
FS	FINISH SURFACE	BO	BACK OF WALK
FL	FLOW LINE	TOP	TOP OF GRADE
CL	CURB LINE	CATV	CABLE TV
TOP	TOP OF CURB	LAT	LATITUDE
NEC	NORTHEAST CORNER	JS	JUNCTION STRUCTURE
BCR	BACK CURB RADIUS	BE	BEHINDING
HT	HEIGHT	END	END OF CURVE
RCF	REINFORCED CONCRETE PIPE	APR	APPROXIMATE
TC	TRAFFIC CONTROL (ABOVE GROUND)	GRV	GRAP GRACE

SHEET INDEX

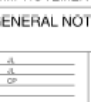
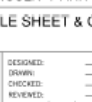
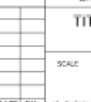
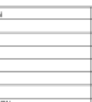
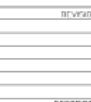
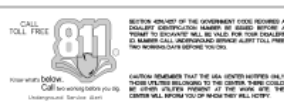
- 1 TITLE SHEET & GENERAL NOTES
- 2 INDEX MAP, TYPICAL SECTIONS AND QUANTITIES
- 3 DETAIL PLAN - INTERSECTION OF LINCOLN AVE./COMO DR. & PALOMARES ST.
- 4 DETAIL PLAN - INTERSECTION OF JEFFERSON AVE./COMO DR. & JEFFERSON AVE.
- 5 DETAIL PLANS - INTERSECTIONS OF COMO DR.-JEFFERSON AVE.-PALOMARES ST.
- 6 DETAIL PLANS - INTERSECTIONS OF LINCOLN AVE. & PALOMARES ST.
- 7 CURB RAMP DETAILS
- 8 CURB RAMP DETAILS
- 9 SIGNING AND STRIPING PLAN
- 10 PAVEMENT REHAB, SIDEWALK & CURB REPAIR AND DG PATH HORIZONTAL CONTROL
- U-01 IRRIGATION PLAN
- U-02 IRRIGATION ENLARGEMENT PLANS
- U-03 IRRIGATION LEGEND AND NOTES
- U-04 IRRIGATION DETAIL
- LP-01 PLANTING REFERENCE PLAN
- LP-02 PLANTING & SITE AMENITY PLAN
- LP-03 PLANT LIST, NOTES AND DETAILS
- ST-01 STREET LIGHT PLAN
- ST-02 STREET LIGHT PLAN
- ST-03 STREET LIGHT PLAN
- ST-04 STREET LIGHT PLAN
- ST-05 STREET LIGHT PLAN

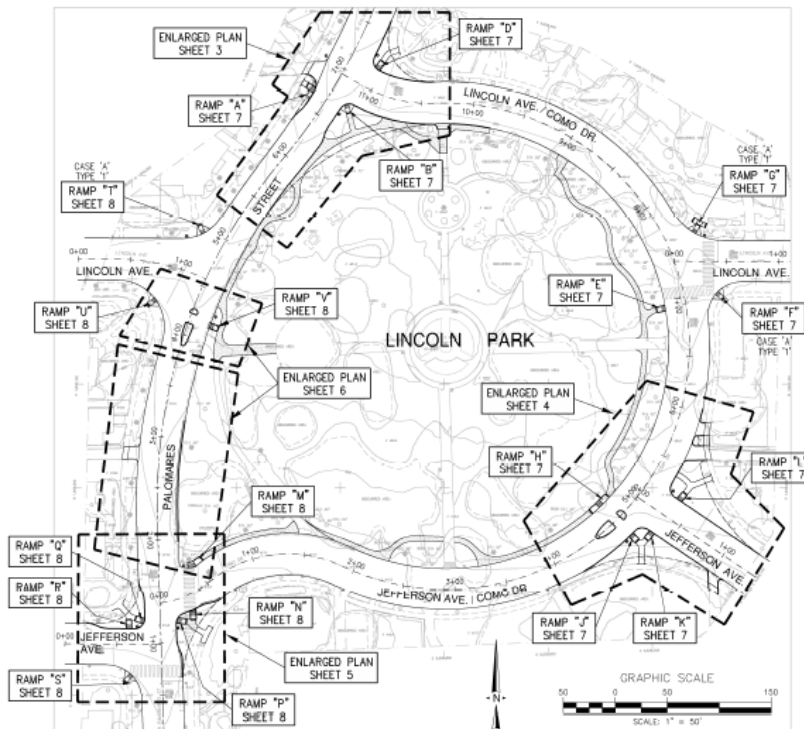


VICINITY MAP
N.T.S.

APPROVED BY:	
RCE DEPARTMENT LEONARD NELSON - (909) 830-3442	SIGNATURE _____ DATE _____
P.W. PUBLIC SERVICES JERRY ROSE - (909) 830-3442	SIGNATURE _____ DATE _____
WATER/WASTE WATER OPERATIONS TAMM SHERID - (909) 830-3239	SIGNATURE _____ DATE _____
P.W. TRANSPORTATION & DEVELOPMENT DIVISION RON CHAI - (909) 830-3238	SIGNATURE _____ DATE _____
P.W. ENVIRONMENTAL JULIE GARDNER - (909) 830-3238 AVAILABLE MON, WED, 7:30 A.M. TO 11:30 A.M. AT PUBLIC WORKS CENTER	SIGNATURE _____ DATE _____

ACCEPTED BY:	
BY: _____	DATE: _____
PUBLIC WORKS DIRECTOR	
RECOMMENDED	
BY: _____	DATE: _____
PINE GARDENS, P.C., REC. NO. 10033, CITY ENGINEER	
CITY OF POMONA	
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION	
LINCOLN PARK IMPROVEMENTS	
TITLE SHEET & GENERAL NOTES	





PALOMARES ST. - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
BEGIN ALIGNMENT	0+00.00	221.80	N 01°42'31" W		
BC	2+21.80	372.15	41°48'34"	510.00	194.80
PIC	5+94.00	215.56	21°40'01"	570.00	109.08
END ALIGNMENT	8+09.61				

COMO DR. - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
PALOMARES ST. (1+38.92) INT.	0+00.00	50.92	32°25'00"	90.00	28.16
PIC	0+50.92	137.15	64°56'38"	121.00	77.00
PIC	1+88.07	849.46	207°59'39"	254.00	938.73
EC	10+37.54	73.98	32°56'25"	130.00	38.02
PALOMARES ST. (8+94.94) INT.	11+32.83	21.31	N 60°03'08" W		

JEFFERSON AVE. (W) - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
BEGIN ALIGNMENT	0+00.00	92.47	S 89°35'10" E		
PALOMARES ST. (0+99.13) INT.	0+92.47				

LINCOLN AVE. (W) - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
BEGIN ALIGNMENT	0+00.00	27.89	S 89°16'20" E		
BC	0+27.89	87.38	25°52'01"	200.00	44.40
PALOMARES ST. (4+57.53) INT.	1+25.27				

JEFFERSON AVE. (E) - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
BEGIN ALIGNMENT	0+00.00	137.30	S 59°57'18" E		
COMO DR. (5+02.05) INT.	0+00.00				
END ALIGNMENT	1+37.30				

LINCOLN AVE. (E) - CONSTRUCTION CENTERLINE					
DESCRIPTION	STATION	LENGTH	DELTA OR BEARING	RADIUS	TANGENT
BEGIN ALIGNMENT	0+00.00	128.79	S 88°47'28" E		
END ALIGNMENT	1+28.79				

CONSTRUCTION NOTES & QUANTITIES

NO.	ITEM	QUANTITY	UNIT
1	CONSTRUCT 8" AC PAVEMENT.	9,005	SF
12	CONSTRUCT TYPE "A-2" CURB ONLY PER CITY OF POMONA STD. PLAN NO. A-3-64.	1,163	LF
13	CONSTRUCT CURB RAMP PER CITY OF POMONA AND MODIFIED APWA STD. PLAN NO. 111-3. (CASE "D", TYPE "1" UNLESS NOTED OTHERWISE).	19	EA
14	CONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-7-62.	820	SF
15	CONSTRUCT ALLEY INTERSECTION PER CITY OF POMONA STD. PLAN NO. A-5-58 AND DETAIL HEREON.	2	SF
16	CONSTRUCT DRAINWAY APPROACH PER CITY OF POMONA AND MODIFIED APWA STD. PLAN NO. 110-2 AND DETAIL HEREON.	3	EA
17	CONSTRUCT 8" OF 18" DUTTER TYPE "E" INTEGRAL CURB AND DUTTER PER CITY OF POMONA STD. PLAN NO. A-3-64.	168	LF
18	SEE LANDSCAPING PLAN.		LS
19	CONSTRUCT ALLEY INTERSECTION WITH ASPHALT CONCRETE PER CITY OF POMONA STD. PLAN NO. A-5-58 AND DETAIL HEREON.	1	EA
20	CONSTRUCT PARKWAY DRAIN PER CITY OF POMONA AND MODIFIED APWA STD. PLAN NO. 101-2.	65	LF
21	CONSTRUCT (2) 3" PVC PIPE DUCT PER ELEVATIONS SHOWN ON THE PLAN.	1	EA
22	CONSTRUCT 1.5/1.5" DROPS GRATE INLET CATCH BASIN (MODEL 1212C) AND 4" PVC PIPE PER PLAN.	1	EA
23	ADJUST EXISTING WATER VALVE TO GRADE.	3	EA
24	FURNISH AND INSTALL 150W HPS LAMP WITH PHOTOELECTRIC CONTROLS ON 1" TAPERED CONCRETE POLE (TYPE 782-11) AND 8" GLOBE. SEE ELECTRICAL PLANS.	4	EA
25	RELOCATE STREET LIGHT POLE AND REPLACE WITH 150W HPS LAMP. SEE ELECTRICAL PLANS.	7	EA
26	RELOCATE EX. WATER METER.	1	EA
27	CONSTRUCT 4" PVC CURB DRAIN.	1	EA
28	SAFCUT, REMOVE DAMAGED SIDEWALK AND RECONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-3-64.	130	SF
29	SAFCUT, REMOVE DAMAGED CURB AND RECONSTRUCT TYPE "A-2" CURB PER CITY OF POMONA STD. PLAN NO. A-3-64.	90	LF

DEMOLITION NOTES & QUANTITIES

NO.	ITEM	QUANTITY	UNIT
1	PROTECT IN PLACE, ITEM PER PLAN		
1	SAFCUT AND REMOVE EXISTING CURB	760	LF
2	SAFCUT AND REMOVE EXISTING AC PAVEMENT	14,580	SF
3	SAFCUT AND REMOVE EXISTING CONCRETE WALKWAY	450	SF
4	REMOVE EXISTING DG PATH	80	SF
5	SAFCUT AND REMOVE INTERFERING PORTIONS OF EXISTING CURB	60	LF



CAUTION: REMEMBER THAT THE NEW EXCAVATION PERMIT AND A "TICKET" (CALLED "PERMIT") TO THE CENTER, THERE COULD BE OTHER CHANGES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHEN THEY WILL ACTIVITY.



PL-226 PREPARED BY:

Stantec

NO. 003810001, ESTATE NO. 003810001, ESTATE NO. 003810001

DATE: 02/25/17

DATE: 02/25/17

REVISION	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

ACCEPTED BY:

BY: _____ DATE: _____

PUBLIC WORKS DIVISION

RECOMMENDED:

BY: _____ DATE: _____

PERM. DIVISION, P.E., REC. NO. 00000, CITY ENGINEER

CITY OF POMONA

PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENTS

INDEX MAP, TYPICAL SECTIONS & QUANTITIES

SCALE: _____

DESIGNED: _____

DRAWN: _____

CHECKED: _____

REVIEWED: _____

REVIEWED (CONS.): _____

SHT. 2

OF 22

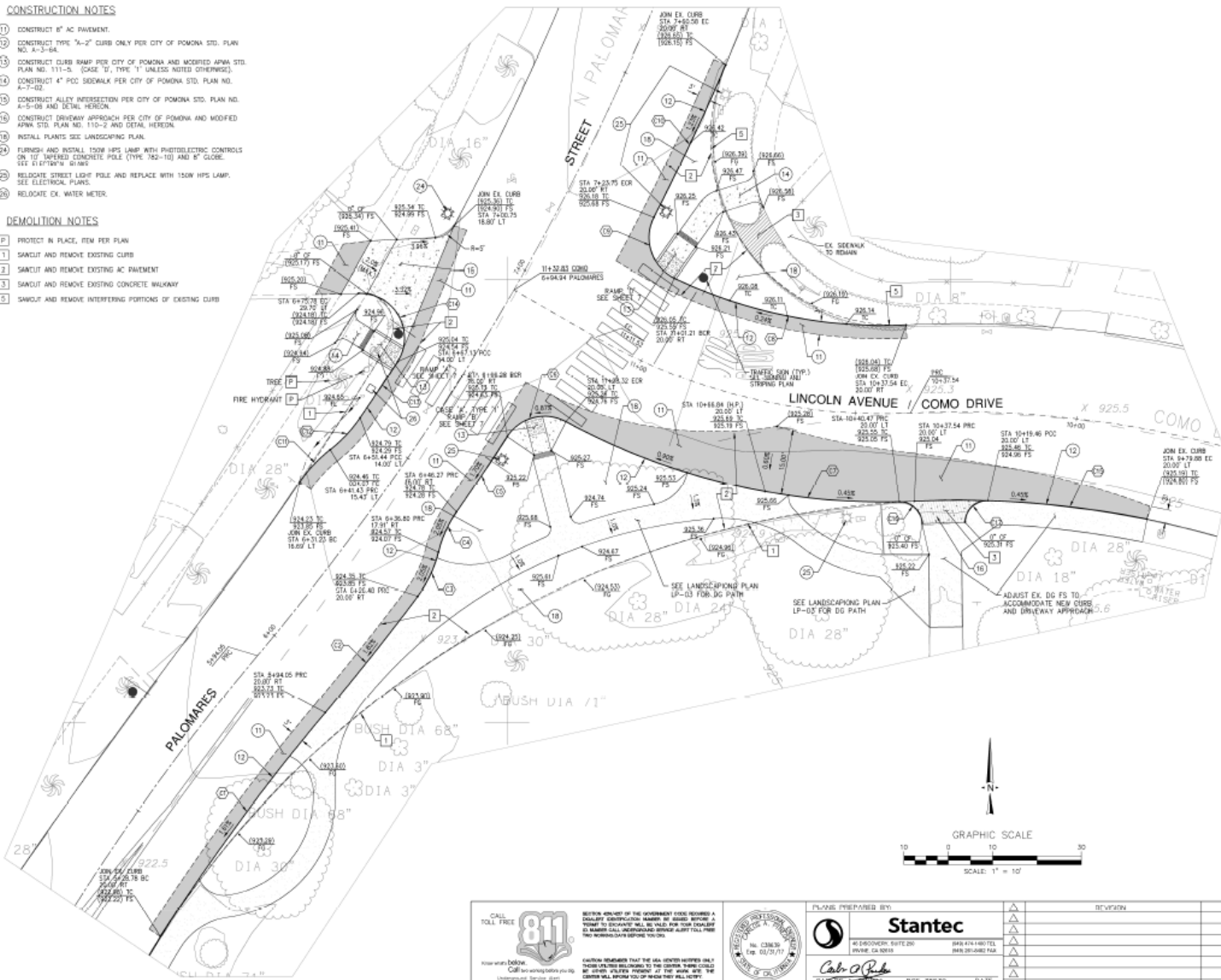
Page Number

CONSTRUCTION NOTES

- (11) CONSTRUCT 8" AC PAVEMENT.
- (12) CONSTRUCT TYPE "A-2" CURB ONLY PER CITY OF POMONA STD. PLAN NO. A-3-64.
- (13) CONSTRUCT CURB RAMP PER CITY OF POMONA AND MODIFIED APWA STD. PLAN NO. 111-5, CASE 75 TYPE 1 UNLESS NOTED OTHERWISE.
- (14) CONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-7-102.
- (15) CONSTRUCT ALLEY INTERSECTION PER CITY OF POMONA STD. PLAN NO. A-5-08 AND DETAIL HEREON.
- (16) CONSTRUCT DRIVEWAY APPROACH PER CITY OF POMONA AND MODIFIED APWA STD. PLAN NO. 115-2 AND DETAIL HEREON.
- (17) INSTALL PLANTS SEE LANDSCAPING PLAN.
- (18) FURNISH AND INSTALL 150W HPS LAMP WITH PHOTOELECTRIC CONTROLS ON 10' WINKED CONCRETE POLE (TYPE 782-10) AND 8" GLOBE. SEE ELECTRICAL PLANS.
- (19) RELOCATE STREET LIGHT POLE AND REPLACE WITH 150W HPS LAMP. SEE ELECTRICAL PLANS.
- (20) RELOCATE EX. WATER METER.

DEMOLITION NOTES

- (F) PROTECT IN PLACE, NEW PER PLAN
- (1) SAWCUT AND REMOVE EXISTING CURB
- (2) SAWCUT AND REMOVE EXISTING AC PAVEMENT
- (3) SAWCUT AND REMOVE EXISTING CONCRETE WALKWAY
- (5) SAWCUT AND REMOVE INTERFERING PORTIONS OF EXISTING CURB



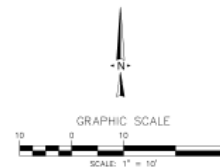
CURB ALIGNMENT TABLE

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(1)	83.71	485.00	7°30'50"	31.40
(2)	34.04	590.00	31°4'32"	17.03
(3)	10.84	27.00	23°12'27"	5.54
(4)	10.80	27.00	21°13'05"	5.06
(5)	20.57	586.00	21°02'41"	10.29
(6)	14.96	10.00	85°42'35"	9.28
(7)	78.29	150.00	29°54'18"	40.06
(8)	53.88	110.00	28°03'40"	27.49
(9)	16.00	10.00	91°38'54"	10.29
(10)	38.13	590.00	3°42'10"	19.07
(11)	10.03	32.00	17°57'53"	5.06
(12)	9.90	32.00	17°43'03"	4.99
(13)	19.31	556.00	1°34'38"	7.65
(14)	21.86	10.00	125°13'51"	19.30
(15)	38.20	214.00	9°41'33"	18.14
(16)	7.09	5.00	89°28'50"	5.04
(17)	7.90	5.00	90°28'36"	5.04

LEGEND

PROPOSED TRAFFIC SIGN. SEE SIGNING AND STRIPING PLAN ON SHEET 5.

FOR PLANTING SEE SHEET LP-02
FOR SIGNING AND STRIPING SEE SHEET 9



ACCEPTED BY

BY: _____ DATE: _____

RECOMMENDED

BY: _____ DATE: _____

CITY OF POMONA
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENTS

DETAIL PLAN - INTERSECTION OF
LINCOLN AVE. / COMO DR. & PALOMARES ST.

SCALE: _____
DESIGNED: _____
DRAWN: _____
CHECKED: _____
REVIEWED: _____
DATE: _____

SHT. 3

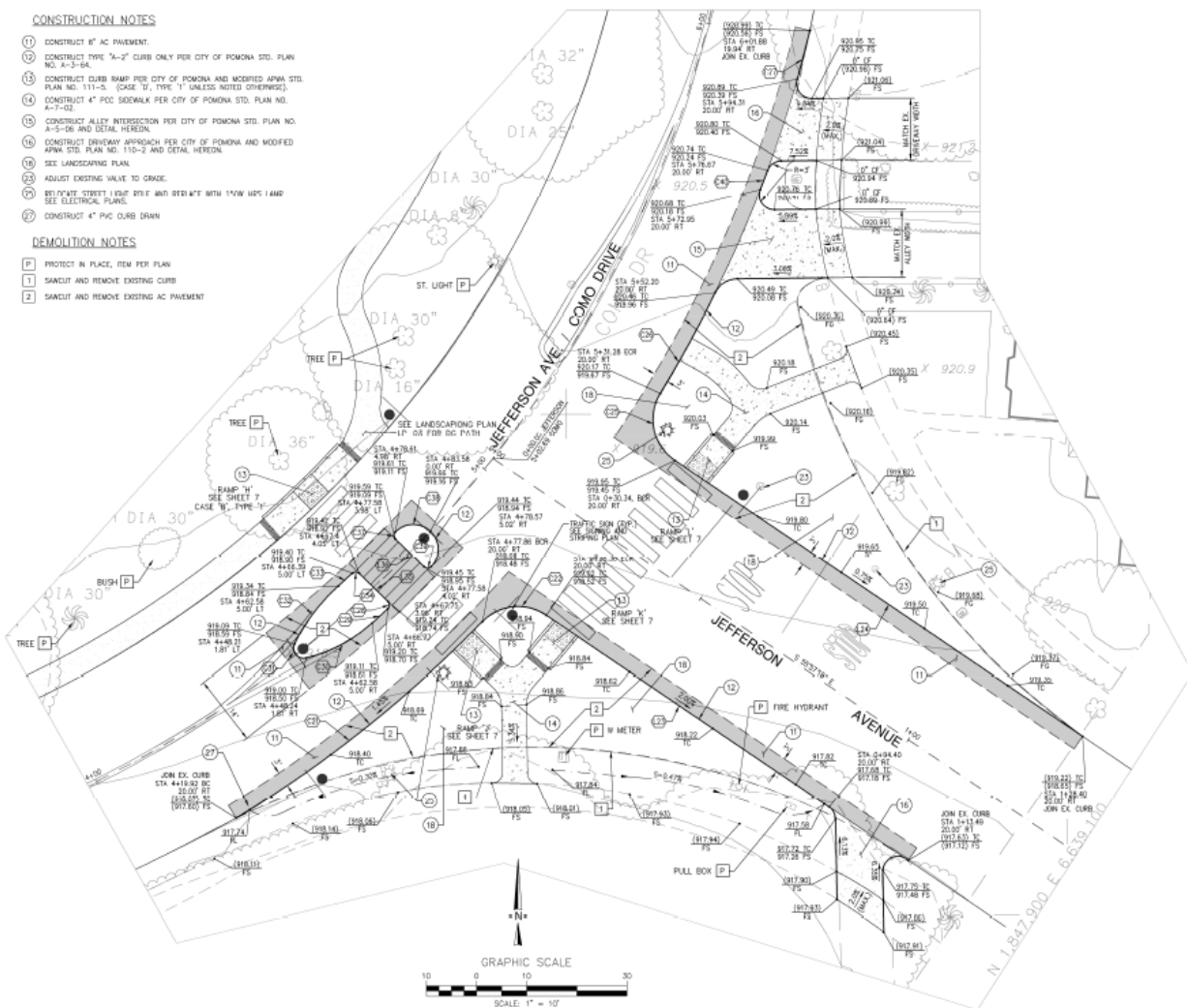
OF

22 SHEETS

Plan Number

- 11 CONSTRUCT 8" AC PAVEMENT.
- 12 CONSTRUCT TYPE "A-2" CURB ONLY PER CITY OF POMONA STD. PLAN NO. A-3-B-6A.
- 13 CONSTRUCT CURB RAMP PER CITY OF POMONA AND MODIFIED ASPHA STD. PLAN NO. 111-5. (GRADE, "T" TYPE, "T" UNLESS NOTED OTHERWISE).
- 14 CONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-7-2D.
- 15 CONSTRUCT ALLEY INTERSECTION PER CITY OF POMONA STD. PLAN NO. A-5-5-OR AND DETAIL HEREON.
- 16 CONSTRUCT DRIVEWAY APPROACH PER CITY OF POMONA AND MODIFIED ASPHA STD. PLAN 103-2-2 AND DETAIL HEREON.
- 17 SEE LANDSCAPING PLAN.
- 18 ADJUST EXISTING VUE TO CRANE.
- 19 811 PAVE STREET 1' BAY OFF FROM SIDEWALK WITH 1/2" X 1/2" X 1/2" SAND SEE ELECTRICAL PLANS.
- 20 CONSTRUCT 4" PCC CURB DRAIN

P	PROTECT IN PLACE, ITEM PER PLAN
1	SAWCUT AND REMOVE EXISTING CURB
2	SAWCUT AND REMOVE EXISTING AC PAVEMENT

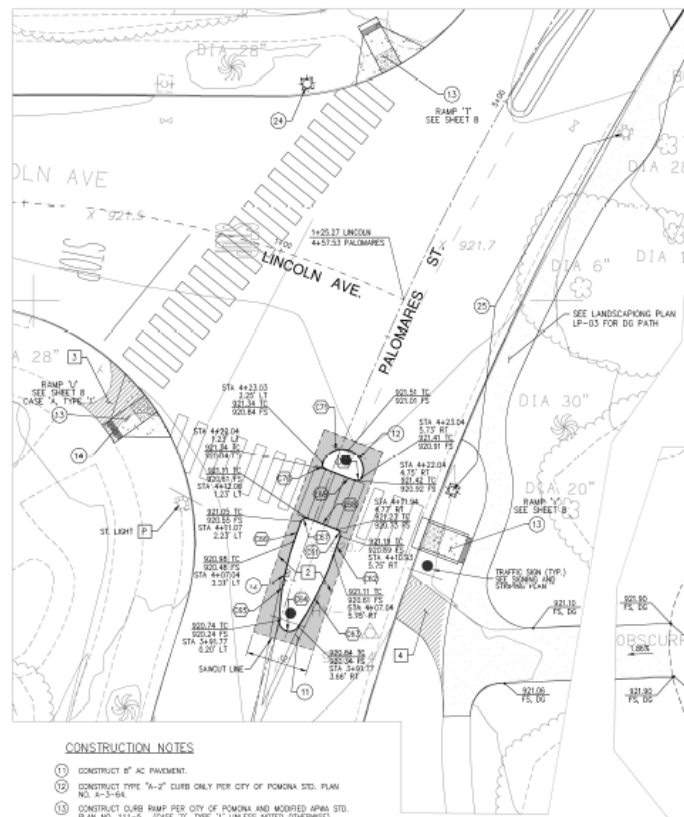
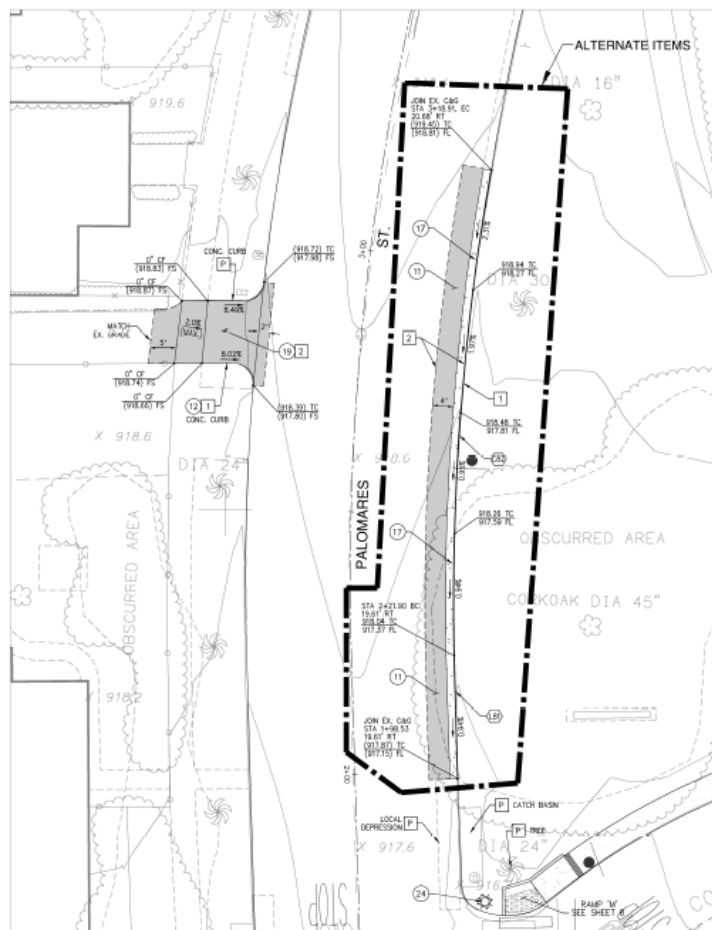


CURB ALIGNMENT TABLE				
	LENGTH	RADIUS	DELTA/CHORD BEARING	STAKE
(21)	62.89	254.00	14°11'13"	71.41
(22)	13.90	10.00	90°00'00"	81.36
(23)	68.04		N 50°58'16" E	
(24)			N 50°58'16" W	
(25)	18.23	10.00	87°15'21"	9.5
(26)	22.72	254.00	50°12'28"	11.3
(27)	9.91	254.00	214°30'29"	4.9
(28)	1.62	1.00	92°38'51"	1.0
(29)	4.28	239.00	01°03'33"	2.1
(30)	10.04	30.56	28°12'16"	7.6
(31)	45.33	2.00	129°29'25"	4.3
(32)	14.59	38.21	201°50'38"	7.3
(33)	5.73	229.00	109°05'05"	1.8
(34)	1.52	1.00	87°15'31"	0.9
(35)	8.01		E 48°53'11" E	
(36)	0.00		N 49°55'11" W	
(37)	15.97	1.00	87°07'15"	1.0
(38)	15.69	5.00	13°48'24"	NV
(39)	1.57	1.00	87°07'13"	1.0
(40)	4.04	254.00	076°38'	2.0

● PROPOSED TRAFFIC SIGN. SEE SIGNING AND STRIPING PLAN ON SHEET 9.

FOR PLANTING SEE SHEET LP-02
FOR SIGNING AND STRIPING SEE SHEET 9

ACCEPTED BY		
BY: _____	PUBLIC WORKS DIRECTOR	DATE: _____
RECOMMENDED		
BY: _____	PENK GUERGEN, P.E., REC NO. 8623, CITY ENGINEER	DATE: _____
<p align="center">CITY OF POMONA PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION LINCOLN PARK IMPROVEMENTS DETAIL PLAN - INTERSECTION OF JEFFERSON AVE. COMO DR. & JEFFERSON AVE.</p>		
SCALE	DESIGNED: _____ DRAWING: _____ CHECKED: _____ REVIEWED: _____ APPROVED: (SIGNATURE) _____	SHEET 4 OF 22
AS SHOWN		



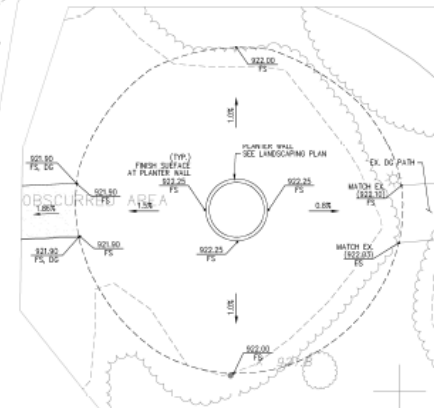
CONSTRUCTION NOTES

- 1) CONSTRUCT 8" AC PAVEMENT.
- 2) CONSTRUCT TYPE "A-2" CURB ONLY PER CITY OF POMONA STD. PLAN NO. A-3-64.
- 3) CONSTRUCT CURB RAMP PER CITY OF POMONA AND MODIFIED APMA STD. PLAN NO. 111-3. (PAGE 17, TYPE "1" UNLESS NOTED OTHERWISE).
- 4) CONSTRUCT 4" FCS SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-4-62.
- 5) CONSTRUCT 8" CY, 16" GUTTER TYPE "B" INTEGRAL CURB AND GUTTER PER CITY OF POMONA STD. PLAN NO. A-3-64.
- 6) CONSTRUCT ALLEY INTERSECTION WITH ASPHALT CONCRETE PER CITY OF POMONA STD. PLAN NO. A-2-59 AND DETAIL HEREON.
- 7) FURNISH AND INSTALL 150W HPS LAMP WITH PHOTOELECTRIC CONTROLS ON 10' TAPERED CONCRETE POLE (TYPE 782-10) AND 8" GLOBE. SEE ELECTRICAL PLANS.
- 8) RELOCATE STREET LIGHT POLE AND REPLACE WITH 150W HPS LAMP. SEE ELECTRICAL PLANS.

DEMOLITION NOTES

- P) PROTECT IN PLACE, ITEM PER PLAN
- 1) SAWCUT AND REMOVE EXISTING CURB
- 2) SAWCUT AND REMOVE EXISTING AC PAVEMENT
- 3) SAWCUT AND REMOVE EXISTING CONCRETE WALKWAY
- 4) REMOVE EXISTING DG PATH

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(24)	1.55	1.00	88°45'00"	0.98
(22)	3.85	504.25	0°26'18"	1.93
(23)	15.31	63.04	1°54'40"	7.89
(24)	5.20	2.00	148°57'29"	7.20
(25)	15.50	51.81	17°06'17"	7.81
(26)	4.04	512.25	0°77'05"	2.02
(27)	1.59	1.00	91°13'58"	1.02
(28)	6.00		S 89°14'14" E	
(29)	6.00		S 89°14'14" E	
(30)	1.59	1.00	89°40'21"	1.00
(31)	12.61	4.00	180°39'18"	686.86
(32)	1.57	1.00	89°40'21"	0.99
(33)	23.37		N 1°43'17" W	
(34)	93.20	477.00	11°11'40"	46.75



LEGEND

- PROPOSED TRAFFIC SIGN. SEE SIGNING AND STRIPING PLAN ON SHEET 5.

FOR PLANTING SEE SHEET LP-02
FOR SIGNING AND STRIPING SEE SHEET 9

ACCEPTED BY

BY: PUBLIC WORKS DIRECTOR DATE:

RECOMMENDED

BY: RENE GUERRA, P.E., REG. NO. 8826, CIVIL ENGINEER DATE:

CITY OF POMONA
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENTS

DETAIL PLANS - INTERSECTIONS OF
LINCOLN AVE & PALOMARES AVE

SCALE: DESIGNED: AL SHT. 6
DRAWN: AL OF
CHECKED: AL
REVIEWED: AL
REVIEWED (CONC.): AL 22 SHEETS

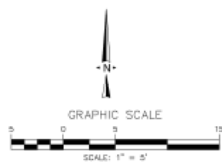
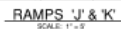


BEFORE ANY OF THE FOREGOING WORK IS PERFORMED, A CALL TO 811 OR VISITING THE WEBSITE WWW.CALL811.ORG IS REQUIRED TO LOCATE ALL UTILITIES. IT IS THE RESPONSIBILITY OF THE CALLER TO PROVIDE THE LOCATION OF THE UTILITIES TO THE CALLER. THE CALLER SHALL BE RESPONSIBLE FOR THE LOCATION OF THE UTILITIES.



PLANS PREPARED BY: **Stantec**
IN CHARGE: AL
DATE: 02/25/21
PROJECT: LINE 388.50 DATE: REV DESCRIPTION: DATE BY AS SHOWN: REVIEWED (CONC.)

DATE: REV DESCRIPTION: DATE BY AS SHOWN: REVIEWED (CONC.)



LEGEND

● PROPOSED TRAFFIC SIGN. SEE SIGNING AND STRIPING PLAN ON SHEET R.

CONSTRUCTION NOTES

- 1A CONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. A-7-02.
- 24 FURNISH AND INSTALL 150W HPS LAMP WITH PHOTORELECTRIC CONTROLS ON 10' TAPERED CONCRETE POLE (TYPE 782-10) AND 8" GLOBE. SEE ELECTRICAL PLANS.
- 26 RELOCATE EX. WATER METER.
- 3 SAWCUT AND REMOVE EXISTING CONCRETE WALKWAY

ACCEPTED BY

BY: _____ DATE: _____

RECOMMENDED

BY: _____

[illegible]CITY OF POMONA
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENTS

DETAIL
ADA RAMPS

SCALE	DESIGNED: <u>AL</u>	SHT. 7 OF 22 SHTS
	(DRAWN) <u>AL</u>	
	CHECKED: <u>CP</u>	
	REVIEWED: _____	
AS SHOWN	REVIEWED (CONGT.) _____	

Econ. Number _____

CALL
TOLL FREE

1-800-368-5848

For more information, call
1-800-368-5848

1-800-368-5848

CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHICH THEY WILL NOTIFY.



PLANE PREPARED BY:



Stantec

46 DISCOVERY, SUITE 250

IPVHE, CA 92615

Carlos P. Rios

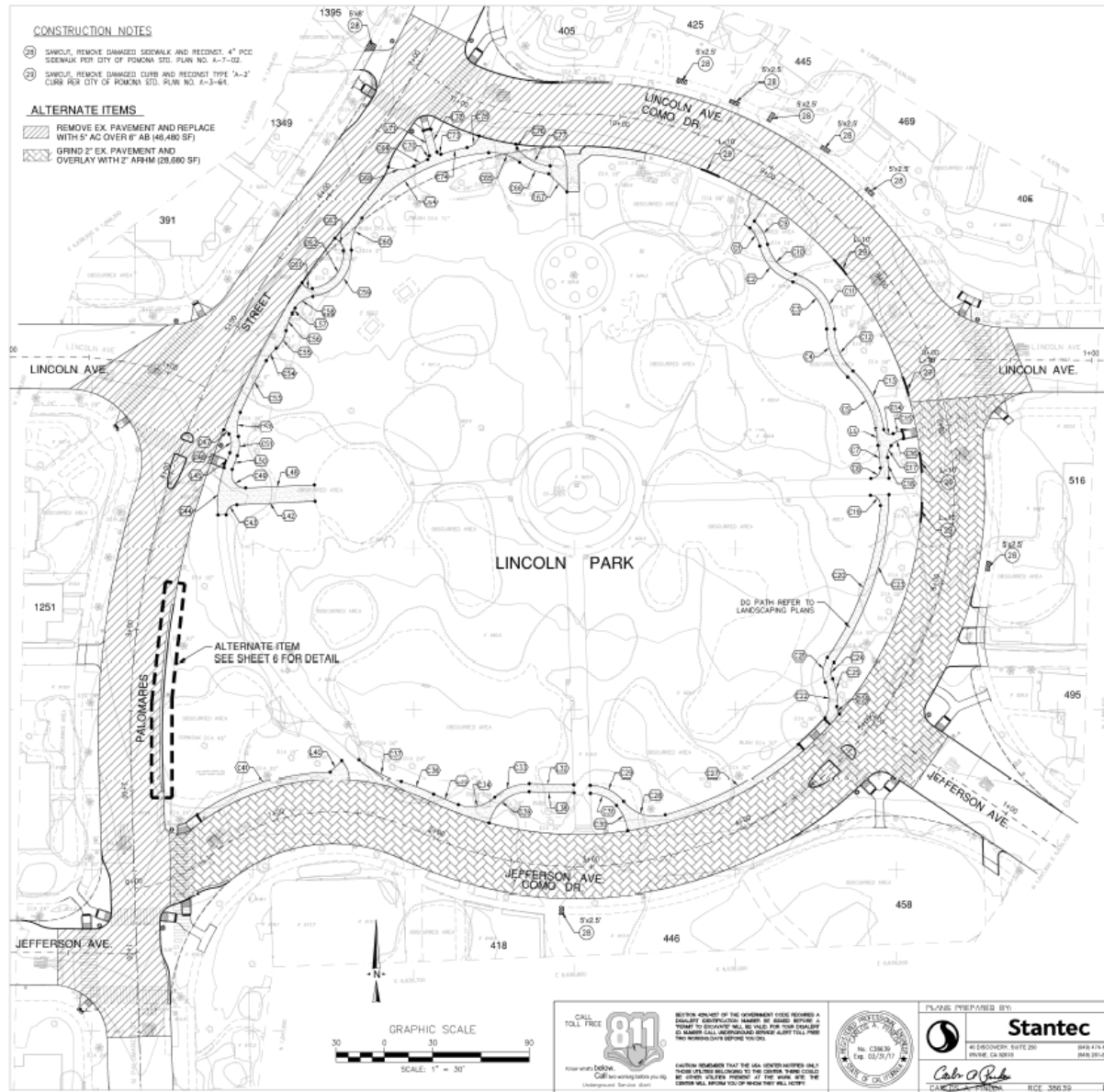
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REV	DESCRIPTION	DATE	

CONSTRUCTION NOTES

- (24) SAWCUT, REMOVE DAMAGED SIDEWALK AND RECONSTRUCT 4" PCC SIDEWALK PER CITY OF POMONA STD. PLAN NO. 8-7-02.
- (25) SAWCUT, REMOVE DAMAGED CURB AND RECONSTRUCT TYPE "A-2" CURB PER CITY OF POMONA STD. PLAN NO. 8-3-04.

ALTERNATE ITEMS

- REMOVE EX. PAVEMENT AND REPLACE WITH 5" AC OVER 6" AS (64,480 SF)
- GRIND 2" EX. PAVEMENT AND OVERLAY WITH 2" ARHM (28,680 SF)



DG ALIGNMENT TABLE

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(C1)	12.93	22.67	S 27°40'30" E	6.65
(C2)	31.85	30.07	S 67°40'43" E	17.60
(C3)	38.20	29.61	S 73°55'34" E	22.26
(C4)	33.62	38.96	S 49°26'48" E	17.84
(C5)	37.21	32.76	S 40°24'30" E	19.42
(C6)	10.81	8.00	S 80°59'09" E	5.36
(C7)	14.19	185.00	S 42°33'08" E	7.10
(C8)	9.71	8.00	S 92°42'10" E	6.29
(C9)	16.84	27.67	S 45°52'38" E	8.69
(C10)	36.56	25.07	S 62°40'43" E	14.88
(C11)	44.65	34.61	S 73°55'34" E	26.04
(C12)	29.31	33.96	S 49°26'48" E	15.64
(C13)	41.85	37.76	S 41°30'54" E	21.89
(C14)	7.77	4.00	S 111°20'40" E	5.86
(C15)	5.64	17.26	S 86°42'39" E	2.84
(C16)	8.86	12.26	S 41°53'33" E	4.69
(C17)	7.80	10.00	S 44°40'28" E	6.11
(C18)	12.85	190.00	S 352'00" E	6.42

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(C19)	9.98	8.00	S 92°12'32" E	6.58
(C20)	101.52	185.00	S 31°24'26" E	52.07
(C21)	15.75	15.00	S 60°59'09" E	8.69
(C22)	23.51	25.56	S 51°42'58" E	12.54
(C23)	111.35	190.00	S 33°34'46" E	57.33
(C24)	10.50	10.00	S 60°59'09" E	5.79
(C25)	17.69	30.56	S 51°10'55" E	9.10
(C26)	5.05	5.00	S 57°49'57" E	2.76
(C27)	94.49	209.00	S 25°54'10" E	48.06
(C28)	28.75	25.00	S 65°50'21" E	16.19
(C29)	23.83	27.31	S 49°58'55" E	12.73
(C30)	17.36	28.31	S 39°08'01" E	8.96
(C31)	18.43	22.31	S 47°20'35" E	9.78

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(C32)	27.56	8.00	S 88°41'13" E	14.10
(C33)	23.71	30.00	S 49°16'50" E	12.51
(C34)	24.28	21.50	S 64°42'04" E	13.82
(C35)	16.78	209.00	S 43°30'14" E	8.40
(C36)	21.62	148.00	S 82°59'09" E	10.83
(C37)	29.87	77.50	S 22°04'53" E	15.12
(C38)	27.56	8.00	S 88°41'13" E	14.10
(C39)	34.19	25.00	S 78°20'57" E	20.37
(C40)	10.05	8.00	S 45°00'00" W	5.00
(C41)	86.15	148.00	S 34°35'43" E	45.47

	LENGTH	RADIUS	DELTA OR BEARING	TANGENT
(C42)	49.56	8.00	N 87°30'21" E	25.88
(C43)	9.31	6.00	S 88°52'00" E	5.08
(C44)	23.86	62.00	S 22°02'52" E	12.08
(C45)	10.02	8.00	N 20°45'46" E	5.30
(C46)	11.89	14.50	S 47°00'01" E	6.30
(C47)	4.63	5.50	S 48°11'02" E	2.46
(C48)	42.85	8.00	N 87°30'21" E	22.88
(C49)	16.80	8.50	S 11°15'12" E	12.90
(C50)	9.11	8.00	N 20°45'46" E	4.80
(C51)	12.12	19.50	S 35°52'57" E	6.28
(C52)	15.61	23.25	S 36°27'38" E	8.11
(C53)	36.05	339.09	S 6°04'56" E	18.04
(C54)	9.91	30.00	S 85°59'39" E	5.00
(C55)	12.74	18.50	S 32°28'15" E	6.84
(C56)	11.40	30.00	S 21°45'36" E	5.77
(C57)	5.35	8.00	S 30°59'23" N	2.71
(C58)	13.80	15.00	S 51°57'45" E	7.31
(C59)	41.31	27.50	S 88°04'28" E	25.68
(C60)	21.52	29.00	S 42°30'53" E	11.28
(C61)	7.99	6.00	S 70°18'16" E	4.71
(C62)	33.37	22.50	S 84°56'49" E	20.61
(C63)	9.89	9.00	S 62°58'32" E	5.51
(C64)	81.22	112.50	S 46°27'27" E	48.28
(C65)	20.58	27.80	S 42°24'51" E	10.79
(C66)	19.81	34.00	S 33°23'13" E	10.30
(C67)	15.93	8.00	N 45°00'00" W	8.00
(C68)	16.53	18.50	S 51°10'55" E	8.96
(C69)	9.37	117.00	S 43°06'09" E	4.89
(C70)	2.85	2.00	S 81°10'21" E	1.71
(C71)	15.70	8.00	S 14°19'01" E	8.10
(C72)	14.65	8.00	S 14°19'01" E	8.10
(C73)	5.56	8.00	S 22°02'52" E	2.84
(C74)	16.75	117.50	S 81°10'21" E	8.39
(C75)	10.99	9.50	S 68°15'14" E	6.20
(C76)	2.82	3.50	S 46°10'19" E	1.49
(C77)	23.95	29.00	S 47°18'48" E	12.70

NOTE: VERIFY ALL SEGMENTS ADJACENT TO THE EXISTING CURB. TO PROVIDE 5-FOOT WIDE DG PATH PER SECTION IN LANDSCAPING PLAN, FIELD ADJUSTMENT MAY BE REQUIRED.

ACCEPTED BY: _____ DATE: _____

BY: _____ DATE: _____

RECOMMENDED: _____

BY: _____ DATE: _____

CITY OF POMONA
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENTS

STREET REHAB, SIDEWALK & CURB REPAIR AND DG PATH HORIZONTAL CONTROL

SCALE: DESIGNED: _____ SHT. 10
CHECKED: _____ OF
REVIEWED: (CONTRACTOR) _____ 22

Plan Number: _____



NOTICE: ALL WORK ON THE HIGHWAY SHALL BE IN ACCORDANCE WITH THE CALIFORNIA HIGHWAY PAVEMENT CONSTRUCTION MANUAL, 2008 EDITION, CHAPTER 10, SECTION 10.01. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CALIFORNIA HIGHWAY PAVEMENT CONSTRUCTION MANUAL, 2008 EDITION, CHAPTER 10, SECTION 10.01.

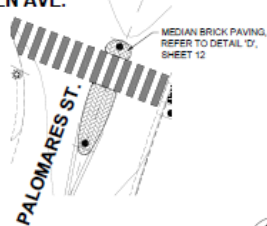


PLANS PREPARED BY: **Stantec**
4000 DOWNEY AVENUE, SUITE 200
DOWNEY, CA 90240
DATE: 05/21/17
PROJECT: LINCOLN PARK IMPROVEMENTS

NO.	REVISION	DATE
1	ISSUED FOR BIDDING	
2	REVISED	
3	REVISED	
4	REVISED	
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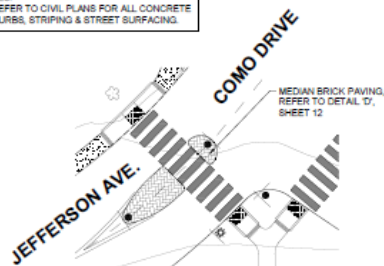
NOTES:
1. REFER TO CIVIL PLANS FOR ALL CONCRETE CURBS, STRIPING & STREET SURFACING.

LINCOLN AVE.



A LINCOLN AVE. & N PALOMARES ST.
SCALE: 1/16"=1'-0"

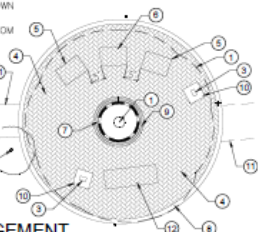
NOTES:
1. REFER TO CIVIL PLANS FOR ALL CONCRETE CURBS, STRIPING & STREET SURFACING.



B E JEFFERSON AVE. & COMO DR.
SCALE: 1/16"=1'-0"

NOTES:
1. REFER TO CIVIL PLANS FOR PLAZA RE-GRADE.

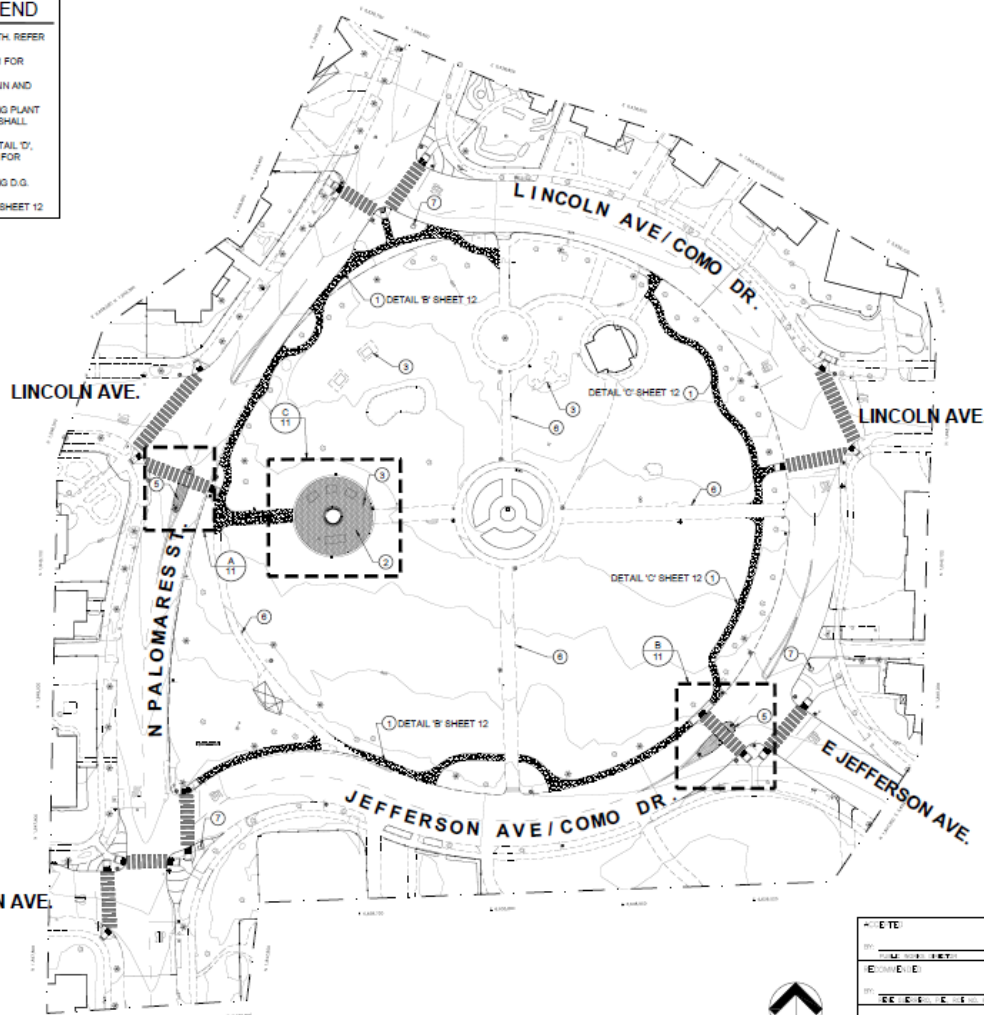
2. EXISTING OAK TREE SHALL REMAIN & BE PROTECTED
3. EXISTING TREE SHALL REMAIN & BE PROTECTED
4. EXISTING BBQ'S SHALL REMAIN & BE PROTECTED REFER TO DETAIL 'E', SHEET 12
5. BRICK PAVING WITH HERRINGBONE PATTERN, REFER TO DETAIL 'D', SHEET 12
6. EXISTING IRONIC TABLES SHALL BE ELUCATED TO LOCATIONS SHOWN
7. ADA IRONIC TABLE MODEL #L1010212/12/12, AVAILABLE FROM QUICKCOTE (866)703-3434
8. EXISTING PLANTER WALL SHALL REMAIN, PROTECTED & BE REPAIRED, DETAIL 'C', SHEET 12
9. RECONCRETE BANDING, DETAIL 'E', SHEET 12
10. RECONCRETE BRICK BANDING, DETAIL 'E', SHEET 12
11. RECONCRETE IRONIC PAD, DETAIL 'E', SHEET 12
12. D.G. PAVING, REFER TO CIVIL PLAN
13. EXISTING IRONIC TABLE SHALL REMAIN & BE PROTECTED



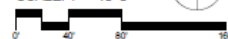
C PLAZA ENLARGEMENT
SCALE: 1/16"=1'-0"

CONSTRUCTION LEGEND

1. 4" THICK DECOMPOSED GRANITE PATH, REFER TO DETAIL 'B' & 'C', SHEET 12
2. PLAZA REFER TO DETAIL 'C' SHEET 11 FOR ENLARGEMENT DETAIL
3. EXISTING SITE AMENITY SHALL REMAIN AND BE PROTECTED
4. UNLESS OTHERWISE NOTED, EXISTING PLANT MATERIAL, SHOWN OR NOT SHOWN, SHALL REMAIN AND BE PROTECTED
5. MEDIAN BRICK PAVING REFER TO DETAIL 'D', SHEET 12 & DETAILS 'A' & 'B' HEREON FOR INFORMATION
6. UNLESS OTHERWISE NOTED, EXISTING D.G. SHALL REMAIN AND BE PROTECTED
7. HITCHING POST REFER TO DETAIL 'J' SHEET 12



SCALE: 1" = 40'-0"



DESIGNED BY THE SUBMITTER OF

NUVIS
LANDSCAPE
ARCHITECTURE

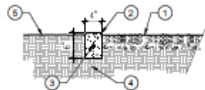
DATE: _____			
BY: _____			
CHECKED BY: _____			
CITY OF POMONA PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION			
LINCOLN PARK IMPROVEMENT			
CONSTRUCTION PLAN			
DATE: _____	DATE: _____	DATE: _____	DATE: _____
BY: _____	BY: _____	BY: _____	BY: _____
DATE: _____	DATE: _____	DATE: _____	DATE: _____



FOR UNDERGROUND SERVICE CALL

1. EXPANSION JOINTS @ 4' O.C. MAX.
2. CONCRETE MOWSTRIP COLOR SHALL BE NATURAL COLOR W/ LIGHT BROOM FINISH TEXTURE.
3. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE OF MOWSTRIP SHALL BE FLUSH W/ ADJACENT EXISTING PAVING SURFACES.
4. FINISH GRADE: 2" BELOW FINISH SURFACE OF MOWSTRIP IN PLANTING AREAS.
5. DECOMPOSED GRANITE SHALL BE FLUSH W/ TOP OF CURBS.

- 1 DECOMPOSED GRANITE (D.G.) REFER TO DETAIL 'B' AND 'C'
- 2 CONCRETE MONSTRIP 1/2" RADIUS ON EXPOSED EDGES
- 3 #4 REBAR, CONTINUOUS 2" CLEAR
- 4 UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED BACKFILL
TO SCARIFY AND COMPACT SUBGRADE TO 95%
- 5 FINISH GRADE



SCALE: NT8

1. STABILIZED DECOMPOSED GRANITE PATHWAY MATERIAL SHALL BE CALIFORNIA GOLD.
2. DECOMPOSED GRANITE (D.G.) SHALL BE COMPACTED IN 2" LIFTS AND STABILIZED WITH DECORATIVE STONE SOLUTIONS STABILIZING BINDER.
3. DECOMPOSED GRANITE SHALL BE FLUSH W/ TOP OF CURBS AND MOWSTRIPS.
4. REFER TO CIVIL PLANS FOR PATHWAY D.G. LOCATION.

- 4" THICK STABILIZED PATHWAY DECOMPOSED GRANITE (0.0) FLUSH WITH
MONSTREEP AND CURB. GRANITE MATERIALS AVAILABLE FROM (DECORATIVE STONE
SOLUTIONS, INC. (800) 699-1878 OR AN APPROVED EQUAL SEE NOTES ABOVE
FINISH GRADE
UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED SUBGRADE PER
GEOTECHNICAL REPORT
FABRIC (WEED BARRIER) - NO BARRIER 1 FABRIC AVAILABLE FROM
REWAY, INC. (800) 382-8467 OR AN APPROVED EQUAL
MIN. 2% SLOPE ON ALL DECOMPOSED GRANITE SURFACES
CONCRETE CURB, REFER TO CIVIL PLAN
MONSTREEP, REFER TO DETAIL 'A'



SCALE: NT8

1. STABILIZED DECOMPOSED GRANITE PATHWAY MATERIAL SHALL BE CALIFORNIA GOLD.
2. DECOMPOSED GRANITE (D.G.) SHALL BE COMPACTED IN 2" LIFTS AND STABILIZED WITH DECORATIVE STONE SOLUTIONS STABILIZING BINDER.
3. REFER TO CONSTRUCTION PLANS FOR PATHWAY D.G. LOCATION. CIVIL PLANS FOR STAKING.
4. DECOMPOSED GRANITE SHALL BE FLUSH W/ TOP OF MOWSTRIPS.

- 4" THICK STABILIZED PATHWAY DECOMPOSED GRANITE (D.G.) FLUSH WITH MOWSTRIP; GRANITE MATERIALS AVAILABLE FROM DECORATIVE STONE SOLUTIONS, INC. (800)699-1878 OR AN APPROVED EQUAL
2. FILTER FABRIC (NEED BARRIER - NO BARRIER 1 FABRIC AVAILABLE FROM REMAY, INC. (800)382-8467 OR AN APPROVED EQUAL
3. MIN. 2% SLOPE TO DRAIN ON ALL DECOMPOSED GRANITE SURFACES. REFER TO CIVIL PLANS
4. UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED BACKFILL TO STABILITY AND COMPACT SUBGRADE TO 95%
5. MOWSTRIP, REFER TO DETAIL "A"
6. FINISH GRADE



SCALE: NTS



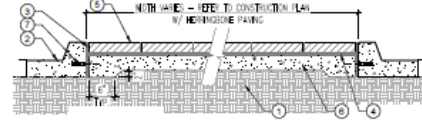
Know what's below.
Call before you dig.

ATTENTION:
as shown on this plan are based on available
it shall be the sole responsibility of the contractor
all existing utilities by contacting utility agencies
avoid damaging existing utilities during excavation.

FOR UNDERGROUND SERVICE ALERT CALL:
811

1. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES & STRUCTURES.
2. BRICKS SHALL BE: 3 1/2" x 2 1/4" x 7 1/2" RECYCLED/USED BRICK. CONTRACTOR SHALL PROVIDE BRICK SAMPLES TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

- ① UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED BACKFILL TO SCAFFOLD
- ② AND COMPACT SUBGRADE TO 95%
- ③ CONCRETE CURB, REFER TO CIVIL PLAN
- ④ WATERPROOF EXPANSION JOINT
- ⑤ 1/2" MORTAR SETTING BED
- ⑥ BRICK PAVING - BUTT JOINT & FILLED WITH BRUSHED SAND
- ⑦ 4" THICK CONCRETE SUB BASE
- ⑧ SLP DOWEL - #3x6" LONG AT 24" O.C.



SCALE: NTS

1. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES & STRUCTURES.
2. FOR ADDITIONAL INFORMATION REFER TO CONSTRUCTION NOTES.
3. BRICKS SHALL BE 3 1/2" x 2 1/4" x 7 1/2" RECYCLED/REUSED BRICK. CONTRACTOR SHALL PROVIDE BRICK SAMPLES TO ENGINEER FOR REVIEW AND APPROVAL, PRIOR TO CONSTRUCTION.

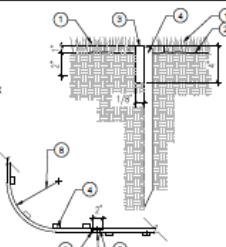
- ① UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED BACKFILL TO SCARIFY AND COMPACT SUBGRADE TO 95%
- ② ADJACENT FINISH GRADE SHALL BE 1" BELOW THE TOP OF PAVING
- ③ ADJACENT STONE PLANTER WALL REFER TO DETAIL 'G'
- ④ WATERPROOF EXPANSION JOINT
- N/A
- ⑤ BRICK PAVING - BUTT JOINT & FILLED WITH BRUSHED SAND
- ⑥ 4" THICK LAYER SAND BASE
- ⑦ 16" WIDE NATURAL COLOR CONCRETE BAND WITH CONTINUOUS



SCALE: NTS

1. EDGING PRODUCT & ACCESSORIES ARE AVAILABLE FROM BORDER CONCEPTS INC., (800) 845-3343 OR APPROVED EQUAL.
2. INSTALL EDGING PER MANUFACTURER'S DETAILS & SPECS.
3. ALL METAL SHALL BE PAINTED BLACK ENAMEL PAINT COLOR.

- 1 SHRUB PLANTING
- 2 FINISH GRADE
- 3 BORDER CONCRETE, INC. 1/8"x4"
METAL HEADER WITH SPICER &
STANDARD STAKES. HEADER SHALL
BE FLUSH WITH WALK
- 4 3/16" STEEL STAKE AT 3' O.C. MAX
- 5 FACTORY OUT THERMAL EXPANSION
SLIP JOINT
- 6 7 GA. GALVANIZED STEEL HARPIN,
REFER MANUFACTURER'S
RECOMMENDATIONS
- 7 THERMAL EXPANSION JOINT
- 8 REFER TO MANUFACTURER'S
RECOMMENDATION FOR MINIMUM
RADIIUS



SCALE: NTS

1. UNLESS OTHERWISE NOTED, NEW FINISH SURFACE SHALL BE FLUSH WITH ADJACENT EXISTING SURFACES.
2. FOR ADDITIONAL INFORMATION REFER TO SPECIFICATION NOTES, CIVIL PLAN FOR FINISH GRADE.
3. REFER TO SHEET LP-04 FOR TREE PRESERVATION NOTES.

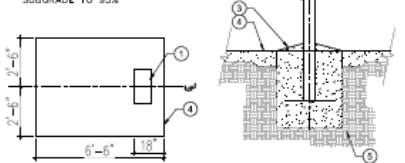


ELEVATION

SCALE: NTS

2. BBQ GRILL IS EXISTING AND SHALL REMAIN AND BE PROTECTED IN PLACE
CONTRACTOR SHALL PROVIDE A MOSAIC LAYOUT SAMPLE TO THE ENGINEER FOR
REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

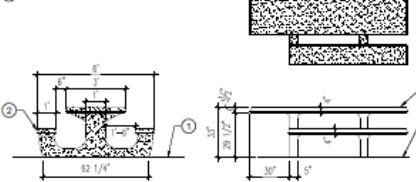
-
- 1 EXISTING GRILL BOX
 2 EXISTING PIPE PEDESTAL
 3 EXISTING CONCRETE FOOTING
 4 CONCRETE MOSAIC
 5 UNDISTURBED NATIVE GRADE OR CERTIFIED COMPACTED BACKFILL TO SCARIFY AND COMPACT SUBGRADE TO 95%



SCALE: NTS

1. ADA PICNIC TABLE, AVAILABLE FROM QUICKCRETE, MODEL #QLBT102PTADA (866)703-3434 OR AN APPROVED EQUAL.

- ① BRICK PAVING, REFER TO DETAIL 'E'
② CONCRETE PICNIC TABLE



SCALE: 3/8"=1'-0"

PLANS PREPARED UNDER THE SUPERVISION OF

DATE OF EXPIRATION

HUBERT STONE HLA 1897 DA

[illegible]

APPROVED: _____ DATE: _____
BY: PUBLIC WORKS ENGINEER

RECOMMENDED: _____ DATE: _____
BY: LEE CAMPBELL, CIVIL ENGINEER, CITY ENGINEER

CITY OF POMONA
PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENT

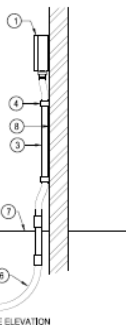
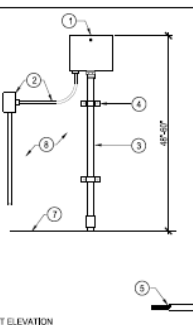
CONSTRUCTION DETAILS

SCALE AS SHOWN	DESIGNED BY	TM	SHEET 12
	DRAWN BY	TL	
	CHECKED BY	TM	
	REVISION	00	

Ph. Neph. 429-81850

\\DWC\16217-01 Work Pkgs\City of Portland\NUMS\COA\HHS\16217-01_LCP.dwg 4/26/17 16:42

- 1 WALL MOUNT CONTROLLER, SEE LEGEND, MOUNT ON WALL PER MANUFACTURER'S RECOMMENDATIONS
- 2 1/2" UL APPROVED ELECTRICAL CONDUIT, RING NUT AND JUNCTION BOX FOR 120 VAC ELECTRICAL POWER INSTALLED PER APPLICABLE ELECTRICAL CODES BY OTHERS
- 3 2" MIN. PVC SCHEDULE 40 CONTROL WIRE CONDUIT (SIZE AS REQUIRED)
- 4 SECURE CONDUIT TO MASONRY WALL WITH APPROVED PIPE CLAMPS
- 5 LOW VOLTAGE CONTROL WIRES TO ELECTRIC VALVE LOCATIONS
- 6 PVC SWEEP FILL (DEPTH AS REQUIRED)
- 7 FINISH GRADE OR SURFACE
- 8 MASONRY WALL. SEE CONSTRUCTION PLANS



A IRRIGATION CONTROLLER

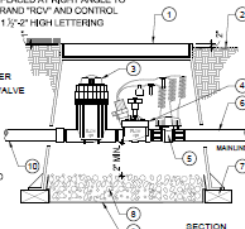
FRONT ELEVATION

SIDE ELEVATION

NOTES:

1. FINISH GRADE: 1" BELOW FINISH SURFACE ADJACENT TO TURF AND 2" BELOW ADJACENT TO NON-TURF AREAS.

- 1 PLASTIC RECTANGULAR JUMBO VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER, BOX TO BE PLACED AT RIGHT ANGLE TO HANDSCAPE EDGE, BRAND "TOD" AND CONTROL STATION # ON TOP LID, 1/2" X 2" HIGH LETTERING
- 2 FINISH GRADE
- 3 PRESSURE REGULATING QUICK CHECK BASKET FILTER
- 4 REMOTE CONTROL VALVE
- 5 PVC BALL VALVE
- 6 PVC MAINLINE
- 7 BRICK SUPPORT(S)
- 8 3/4" WASHED CRUSHED GRAVEL
- 9 LANDSCAPE FABRIC TO COVER BOTTOM AND ALL SIDES OF VALVE BOX
- 10 PVC TO DRIP SYSTEM

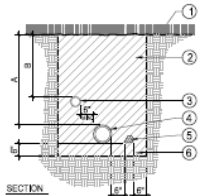


NOTES:

1. LATERAL AND LOOP CONTROL WIRES AT ALL 90° CHANGES IN DIRECTION.
2. PROVIDE A MINIMUM 10 FEET SEPARATION BETWEEN POTABLE AND RECLAIMED MAINLINE PIPING.
3. 3/4" MINIMUM COVER ON 3" MAINLINE AND LARGER.

DIMENSION	A	B
1/2" TO 2-1/2" IN SIZE	18"	12"
3" TO 4" IN SIZE	24"	18"

- 1 FINISH GRADE, REFER TO CONSTRUCTION PLAN
- 2 CLEAN BACKFILL - 90% COMPACTION REQUIRED
- 3 NON-PRESSURE LATERAL LINE, SNAKE PIPE IN TRENCH
- 4 PRESSURE SUPPLY LINE, SNAKE PIPE IN TRENCH
- 5 CONTROL WIRES - BUNDLE AND TAPE AT 18" O.C. AND INITIAL ADJACENT TO PRESSURE SUPPLY LINE

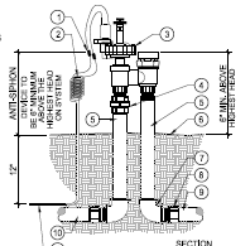


SECTION

B DRIP PVC ASSEMBLY

SCALE: NTS

- 1 WATERPROOF WIRE CONNECTORS
- 2 24" WIRE LOOP
- 3 ELECTRIC ANTI-SIPHON CONTROL VALVE (MODEL AS INDICATED IN LEGEND, OR APPROVED EQUAL)
- 4 PVC UNION
- 5 SCH 80 PVC NIPPLE (TYPICAL)
- 6 FINISH GRADE
- 7 SCH 80 PVC 90° ELL (TYPICAL)
- 8 PVC MALE ADAPTER
- 9 PVC TO LATERAL LINE
- 10 PVC PRESSURE MAINLINE
- 11 CONTROL AND COMMON WIRES - TO IRRIGATION CONTROLLER LOCATION



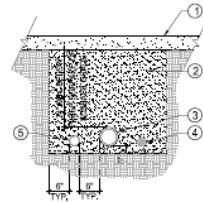
D TYPICAL TRENCHING

SCALE: 3/4"=1'-0"

NOTES:

1. PVC SLEEVES TO BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE CARRIED.
2. DETAIL ALSO FOR PIPE INSTALLED IN ROCK SOIL.
3. ALL SLEEVES TO BE SCHEDULE 40 PVC.
4. EXTEND ALL SLEEVES TO BEYOND EDGE OF HANDSCAPE AT BOTH ENDS.
5. 3/4" MINIMUM COVER ON MAINLINE 3" AND LARGER.

- 1 FINISH SURFACE, REFER TO CONSTRUCTION PLAN
- 2 CLEAN SAND BACKFILL MINIMUM 90% COMPACTION
- 3 PRESSURE MAINLINE IN SCHEDULE 40 SLEEVE - SDR SLEEVE TWICE DIAMETER OF PRESSURE SUPPLY LINE
- 4 CONTROL WIRES IN SLEEVE - SIZE PER PLAN, INSTALL ADJACENT TO PRESSURE SUPPLY LINE
- 5 NON-PRESSURE LATERAL LINE IN SLEEVE TWICE DIAMETER OF LATERAL LINE



SECTION

C ANTI-SIPHON VALVE

SCALE: NTS



FOR UNDERGROUND SERVICE CALL 811

E TYPICAL SLEEVING

SCALE: 3/4"=1'-0"

- 1 FINISH SURFACE, REFER TO CONSTRUCTION PLAN
- 2 CLEAN SAND BACKFILL MINIMUM 90% COMPACTION
- 3 PRESSURE MAINLINE IN SCHEDULE 40 SLEEVE - SDR SLEEVE TWICE DIAMETER OF PRESSURE SUPPLY LINE
- 4 CONTROL WIRES IN SLEEVE - SIZE PER PLAN, INSTALL ADJACENT TO PRESSURE SUPPLY LINE
- 5 NON-PRESSURE LATERAL LINE IN SLEEVE TWICE DIAMETER OF LATERAL LINE



SECTION

IRRIGATION MATERIAL LEGEND

SYMBOL MANUFACTURER MODEL NO. / DESCRIPTION

SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION
	RAIN BIRD	

NO SYMBOL RAIN BIRD

XFS-06-12 SUBSURFACE DRIP TUBING (COPPER EXTERIOR COLOR) WITH 0.80 GPH. PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH "GPH" TECHNOLOGY TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP TUBING SHALL BE INSTALLED 2" BELOW FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 16" ON CENTER. THE FERTIVETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HANDSCAPE OR TURF EDGE. ALL SUBSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITH/OUT EXCEEDING 16" MAXIMUM SPACING. INSTALL 7" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #00TS140900 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE HATCH PATTERN SYMBOLS ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS. SEE ACTUAL SPACING REQUIREMENTS ABOVE AND IN DETAILS.

DETAIL
L.M.N.O
SHT. 16

NO SYMBOL RAIN BIRD

CONNECTION BETWEEN XFS DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING XFS DRIP LINE BARBED FITTINGS, SCH. 40 PVC THREADED FITTINGS, SCH. 80 NIPPLES AND FLEXIBLE NIPPLES. WHEN THE CONNECTION IS AT THE END RUN OF THE TUBING USE A 1/2" SCH. 40 PVC THREADED 90° ELBOW, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MFT X RPT FLEXIBLE NIPPLE AND A XFT-MA-050 1/2" BARB X 1/2" MFT ADAPTER FITTING. WHEN THE CONNECTION IS IN THE MIDDLE OF THE TUBING RUN USE A 1/2" SCH. 40 PVC THREADED TEE FITTING, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MFT FLEXIBLE NIPPLE AND TWO (2) XFT-MA-050 1/2" BARB X 1/2" MFT ADAPTERS. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. FLEXIBLE NIPPLES SHALL BE MODEL #FNO506000 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684.

DETAIL
L.M.N.O
SHT. 16

NO SYMBOL RAIN BIRD

XFS SERIES 17mm BARBED FITTINGS FOR ALL CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). ALL BARBED DRIP TUBING FITTINGS SHALL BE INSTALLED USING A FITTING TOOL FOR PROPER INSERTION OF THE FITTING INTO THE TUBING. NO HEATING TUBING SHALL BE ALLOWED.

N/A

AS APPROVED

PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PVC LATERAL LINE PIPE (AS SHOWN BELOW), 1 1/2" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.

J.L. SHT. 16

CONTROL

MINORAL SERIES 4 STATION OUTDOOR CONTROLLER. INSTALL WITHIN RESIDENCE GARAGE PER THE DIRECTION OF THE CITY. CONNECT ANTI-SIPHON CONTROL WIRES TO CONTROLLER PER DIRECTION OF CITY. VERIFY LOCATIONS PRIOR TO INSTALLATION.

A. SHT. 15

AS APPROVED

120 VAC ELECTRICAL POWER SOURCE

N/A

RAIN BIRD

XFS-100-PIF 1" FLOW CONTROL ZONE KIT WITH ANTI-SIPHON VALVE PRESSURE REGULATING BASKET FILTER. TIE INTO RESIDENTIAL DOMESTIC WATER SUPPLY PER CITY'S RECOMMENDATIONS.

C. SHT. 15

RAIN BIRD

XFS-100-PIF-LOC 1" PLASTIC DRIP REMOTE CONTROL ZONE KIT WITH PRESSURE REGULATING BASKET FILTER. INSTALL THE DRY ASSEMBLY INSIDE A NDS 3148C RECTANGULAR VALVE BOX.

B. SHT. 15

GPH BIRD / RAIN BIRD

COFN DRIP FLUSH / INDICATOR NOZZLE, GRASS IN COLOR, INSTALLED ONTO A RAIN BIRD 1812 12" POP-UP SPRINKLER BODY. THE FLUSH NOZZLE SHALL BE ORIENTED TO SEND FLUSH WATER INTO THE PLANTER AREA AND CLOSED FOR NORMAL OPERATION OF THE DRIP SYSTEM.

H. SHT. 16

RAIN BIRD

ARV050 AIR/VACUUM RELIEF VALVE INSTALLED WITH A XFD-ITFA-075 BARB X 3/4" FHT TEE FITTING AND A AND A 3/4" X 1/2" SCH. 40 PVC THREADED REDUCER BUSHING. INSTALL AN AIR RELIEF ASSEMBLY AT THE HIGH POINT OF EACH PLANTER. SEE PLANS FOR APPROPRIATE LOCATION AND QUANTITY OF ARV'S PER DRIP ZONE. USING AN AIR RELIEF VALVE LATERAL CONNECTION OF XFD TUBING IF TUBING, CONNECT AIR RELIEF VALVE TO DRIP LINE LATERAL WITHIN THE ELEVATED AREA. MULTIPLE ARV'S MAY BE REQUIRED PER DRIP ZONE. SEE PLANS. INSTALL INSIDE A 7" ROUND VALVE BOX.

G. SHT. 16

AS APPROVED

PVC PIPE 1" - 1 1/2" SCH. 40, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED 12" BELOW FINISHED GRADE

D. SHT. 15

AS APPROVED

CL-315 PVC MAINLINE PIPE - 2" AND LARGER SCH. 40 PVC PURPLE PIPE MAINLINE PIPE - 1 1/2" AND SMALLER . 2" DIA. OR SMALLER - 18" MIN. COVER. ALL MAINLINE TO BE INSTALLED WITH TRACER WIRE. ALL MAINLINE SHALL BE PURPLE

D. SHT. 15

AS APPROVED

PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED. 3" MINIMUM SIZE INSTALL ALL PIPE AND WIRE UNDER PAVING, HANDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PAVEMENT PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. ALL MAINLINE SLEEVES ARE TO BE CONSIDERED EXISTING VERIFY LOCATION IN FIELD.

E. SHT. 15

NO SYMBOL AS APPROVED

ALL SOLVENT WELD CONNECTIONS FOR BOTH MAINLINE AND LATERAL LINE SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE LOW VOC "PURPLE PRIMER". MAINLINE SOLVENT CEMENT SHALL BE VULCO-ON 711 PVC INDUSTRIAL GRADE CEMENT. LATERAL LINE SOLVENT CEMENT SHALL BE VULCO-ON 711 PVC INDUSTRIAL GRADE CEMENT. USE (OWNER'S SIZE) AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.

N/A

1-1/4" MINIMUM SCH. 40 PVC ELECTRICAL CONDUIT FOR 2-WIRE SYSTEM WITH ELECTRICAL SWEEPS. PROVIDE PULL BOXES PER PLAN.

N/A

NO SYMBOL NDS

NDS 3128C ROUND SPURCE BOX FOR LOW VOLTAGE CONTROL WIRE

N/A

NO SYMBOL 3M

DBR7Y-6 DIRECT BURIAL (IL APPROVED) WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPIRES AND CONNECTIONS

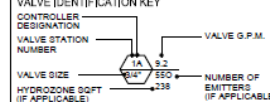
P. SHT. 16

NO SYMBOL NDS

ALL VALVE BOXES SHALL BE NDS SERIES, PLASTIC TYPE WITH OVERLAPPING LIDS. VALVE BOX BODIES SHALL BE PURPLE IN COLOR. LIDS FOR VALVE BOXES SHALL BE PURPLE LIDS. ALL BOXES SHALL BE SECURED WITH A RAIN BIRD V8-LOCK-P PENTA HEAD BOLT, WASHER AND CLIP.

F. SHT. 16

VALVE IDENTIFICATION KEY



DATE: _____

BY: _____

FOR: _____

CITY OF POMONA

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

LINCOLN PARK IMPROVEMENT

IRRIGATION LEGEND AND DETAILS

SCALE	REVISION	DATE	BY
1"=10'	1	11/11/2024	U
	2		M
	3		U
	4		U

DATE: 11/11/2024

BY: U

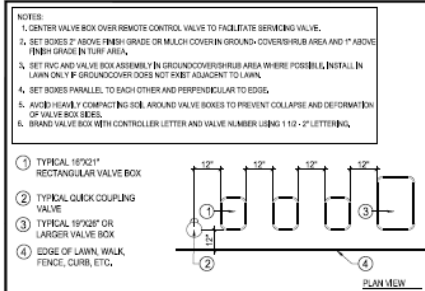
SCALE: 1"=10'

REVISION: 1

DATE: 11/11/2024

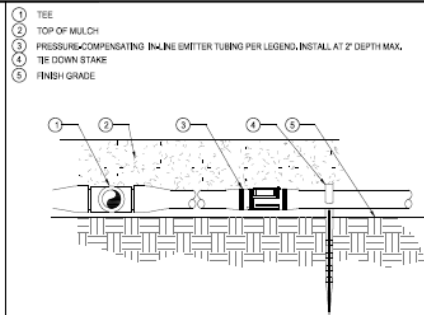
BY: U





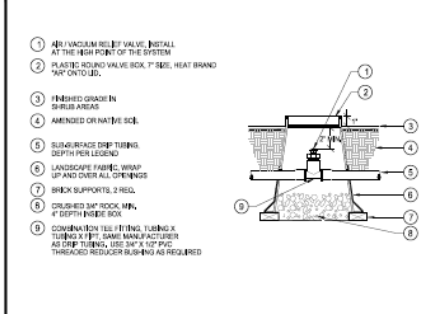
F VALVE BOX INSTALLATION

SCALE: 1/2"=1'-0"



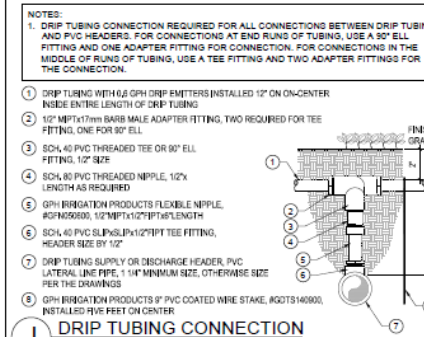
I DRIPLINE INSTALLATION

SCALE: NTS



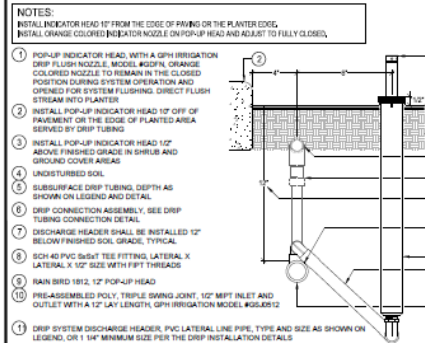
G DRIPLINE AIR RELIEF VALVE

SCALE: NTS



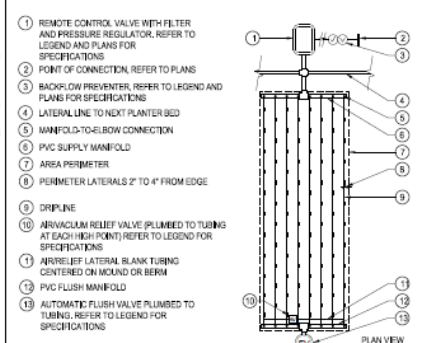
J DRIPLINE TUBING CONNECTION

SCALE: NTS



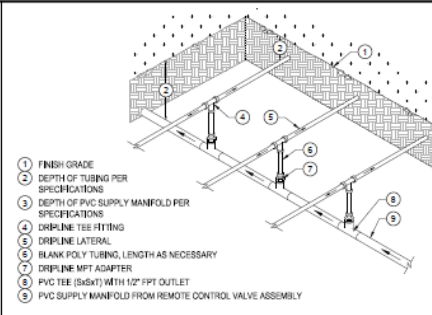
H DRIPLINE FLUSH INDICATOR HEAD

SCALE: NTS



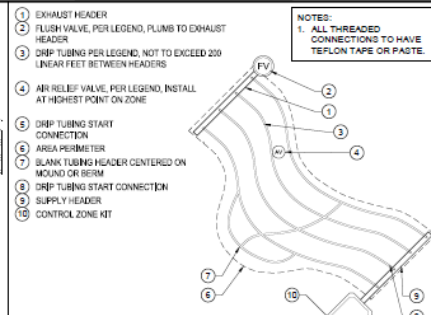
K END FEED IN-LINE DRIPLINE

SCALE: NTS



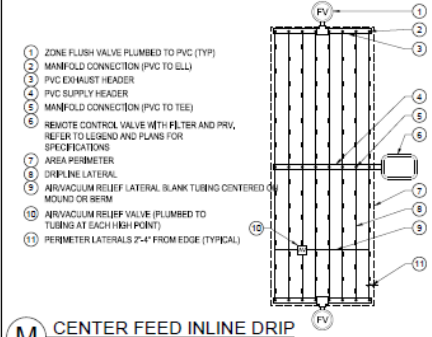
L CENTER FEED MANIFOLD

SCALE: NTS



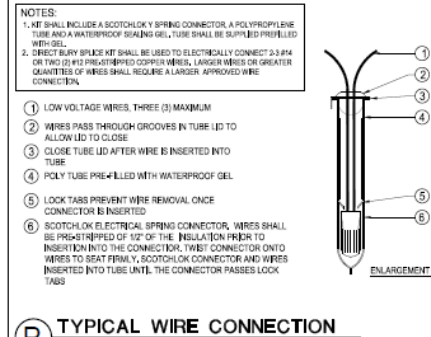
O DRIPLINE LAYOUT

SCALE: NTS



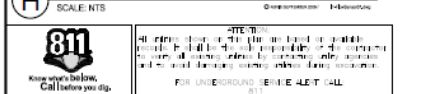
M CENTER FEED IN-LINE DRIPLINE

SCALE: NTS



P TYPICAL WIRE CONNECTION

SCALE: NTS



PROJECT: _____

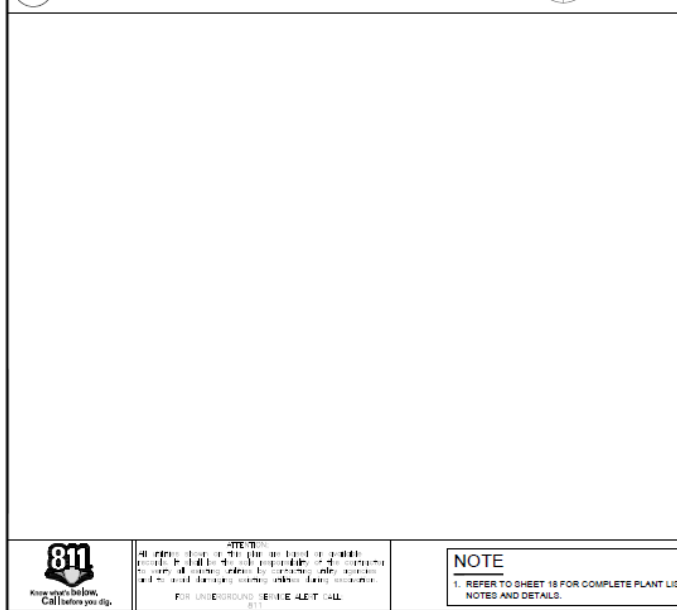
BY: _____

DATE: _____

CITY OF POMONA
PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION
LINCOLN PARK IMPROVEMENT

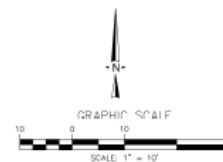
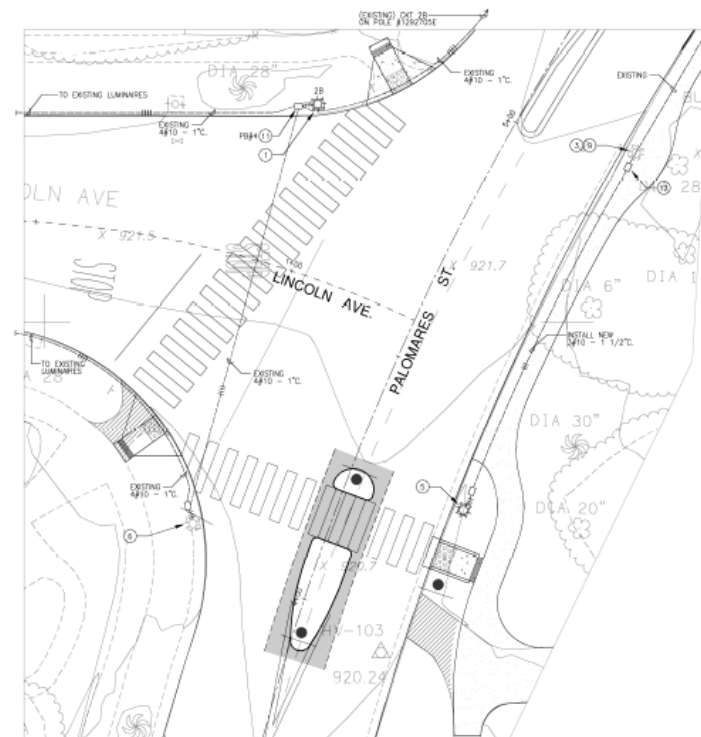
IRRIGATION DETAILS

SCALE	DATE	BY	CHK
AS SHOWN	U	U	16
	T	T	
	R	R	



1. INSTALL ORNAMENT FURNISHED HISTORIC CONCRETE POLE AND LUMINAIRE ON NEW STRUCTURAL CONCRETE BASE PER DETAIL A, SHEET E-5.
2. CONSTRUCT NEW STRUCTURAL CONCRETE BASE PER DETAIL A, SHEET E-5.
3. RELOCATE POLE AND LUMINAIRE, DEMO EXISTING CONCRETE POLE BASE AND CONCRETE GRIND DOWN TO EXISTING FINISH GRADE.
4. PREPARE NEW LIGHTING PULLETS AT EACH NEW AND RELOCATED POLE.
5. RELOCATE NEW LIGHT FIXTURE, POSITION AND EXTEND EXISTING LIGHTING CORD TO NEW LOCATION, CONNECT PER DETAIL A, SHEET E-5.
6. EXISTING STREET LIGHT TO REMAIN, NOT A PART.
7. FOR ALL RELOCATED POLES, CLEAN AND REPAIR WITH NEW PREP TO LOCALIZATION AND REPAIRING.
8. NOTIFY ENGINEER IMMEDIATELY OF ALL FIELD DISCREPANCIES THAT REQUIRE A DRAWING CHANGE FROM THESE PLANS.
9. AS-BUILT PLANS NOT AVAILABLE FOR THIS FIELD, FIELD VERIFY POINT OF LOCALIZATION AND REPAIRING IN FIELD PREP TO REPAIR-IN.
10. AS-BUILT PLANS INDICATE EXISTING SLAB-GRADE PAVEMENT, THIS AREA TO BE RELOCATED, INDICATE VERTICAL CURVE, NEW LIGHTING CONNECTION, RELOCATE THE EXISTING LOCATION TO REMAIN, REMOVE UNWARRANTED TO REMOVE OR RELocate BY NEW PLANS.
11. NEW NEW CONDUIT SHALL BE 1" / 2" PVC, SCH. 40, TYPICAL, INSTALL GROUND

ROADWAY LIGHTING IS EXEMPT - NOT REGULATED PER SECTION 6.2.2.2 OF THE 2016 TITLE 24 NONRESIDENTIAL COMPLIANCE MANUAL.

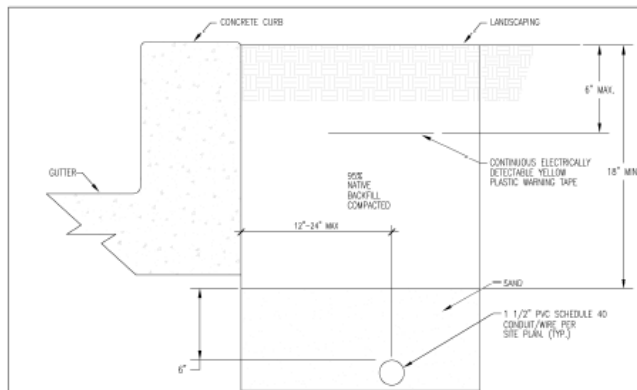


ACCEPTED BY _____			
BY: _____		DATE: _____	
PUBLIC WORKS DIRECTOR			
RECOMMENDED _____			
BY: _____		DATE: _____	
PENE GUERRERO, P.E., REC. NO. 00033, CITY ENGINEER			
CITY OF POMONA			
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION			
LINCOLN PARK IMPROVEMENTS			
ELECTRICAL PLAN - INTERSECTIONS OF LINCOLN AVE & PALOMARES AVE			
SCALE	DESIGNED: _____ DRAWN: _____ CHECKED: _____ REVIEWED: _____	DATE: _____ DATE: _____ DATE: _____ DATE: _____	SHEET 2 OF 23
AB SHOWN	(CONC.)		



CAUTION REMINDERS THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHEN THEY WILL VISIT.

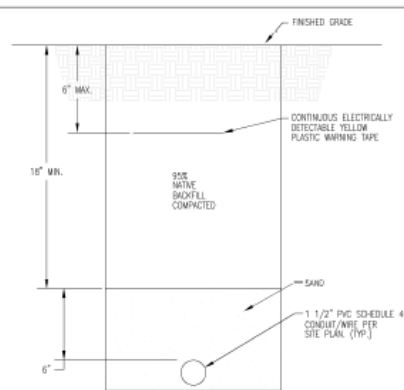
PLANS PREPARED BY:		△	DESCRIPTION	
 Stantec 40 SARDINERY, SUITE 250 PUEBLO, CO 81001	(970) 734-1400 TEL (970) 397-0462 FAX	△		
		△		
		△		
		△		
		△		
		REV	DESCRIPTION	DATE



LIGHTING RACEWAY DETAIL WITH CURB

(NOT TO SCALE)

D



UNDERGROUND LIGHTING RACEWAY TRENCH DETAIL

(NOT TO SCALE)

C

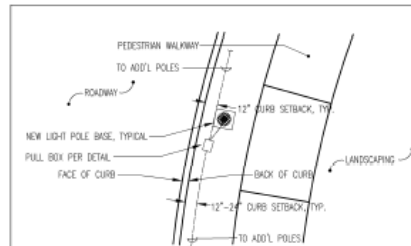
FEEDER SCHEDULE				
CIRCUIT NUMBER	LOAD IN WATTS	DISTANCE	FEEDER	VOLTAGE DROP %
2B	500	250'	1\"C-3#10 + 1#10 GND.	2.02%
	630	200'	1\"C-3#10 + 1#10 GND.	0.60%
				3.52%
3B	270	300'	1\"C-3#10 + 1#10 GND.	0.88%
	720	250'	1\"C-3#10 + 1#10 GND.	0.63%
				1.53%
2C	290	375'	1\"C-3#10 + 1#10 GND.	1.81%
	860	150'	1\"C-3#10 + 1#10 GND.	0.63%
	1960	200'	1\"C-3#10 + 1#10 GND.	0.93%
				3.41%
3C	450	535'	1\"C-3#10 + 1#10 GND.	2.61%
	1960	200'	1\"C-3#10 + 1#10 GND.	0.93%
				3.51%

FEEDER NOTE

RECORD DRAWINGS DO NOT REFLECT CURRENT DESIGN STANDARDS AND EVIDENCE LARGE DEVIATIONS FROM CALCULATED DESIGN VOLTAGE DROP.

CONDUCTORS INDICATED AS INSTALLED ON AS-BUILT PLANS ARE INSUFFICIENT TO ACHIEVE CURRENT DESIGN STANDARD OF 3.0% FOR LENGTHS AND LOADS LISTED.

CONTRACTOR SHALL FIELD MEASURE VOLTAGE DROP AT NEW INSTALLATION LOCATIONS. REPORT ALL VARIATIONS BEYOND 3% TO ENGINEER FOR EVALUATION.



NOTES:

1. POLES SHALL BE WIRED UNDERGROUND THROUGH IN-GRADE PULLBOXES, TYPICAL FOR ALL.
2. INSTALL CONDUIT WITHIN 12\" OF BACK OF CURB AT 24\" BELOW GRADE, TYPICAL FOR ALL, UNLESS CONDITIONS OR OWNER DIRECTIONS FORCE OTHERWISE.
3. VERIFY EXACT LOCATION OF ALL POLES NEW AND RELOCATED WITH OWNER IN FIELD PRIOR TO RUSH-IN.
4. ORIENT ALL COVER PLATES TO READ \"ELECTRICAL\" FROM STREET SIDE.

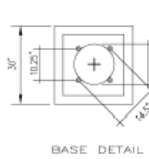
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CONDUIT AND PULLBOX DETAIL

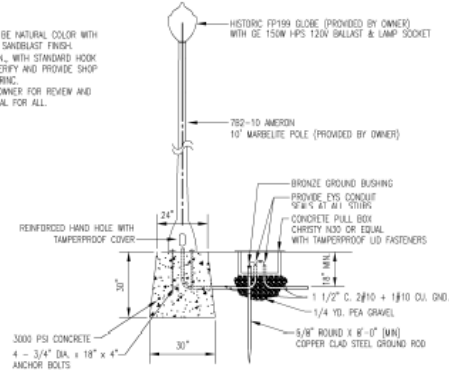
B

NOTES:

1. CONCRETE FOOTING AND BASE SHALL BE NATURAL COLOR WITH EXPOSED PORTION RECEIVING MEDIUM SANDBLAST FINISH.
2. EMBEDMENT LENGTH MUST BE 10\" MIN. WITH STANDARD HOOK PLUS POLE MOUNTING EXTENSIONS. VERIFY AND PROVIDE SHOP DRAWINGS TO OWNER PRIOR TO ORDERING.
3. PROVIDE PULL BOX SPEC SHEET TO OWNER FOR REVIEW AND APPROVAL PRIOR TO ORDERING, TYPICAL FOR ALL.



BASE DETAIL



(NOT TO SCALE)

STREET LIGHTING STANDARD DETAIL

A



SECTION 05100-00 OF THE GOVERNMENT CODE REQUIRES A CALIFORNIA IDENTIFICATION NUMBER ON ALL WORK. A NUMBER TO IDENTIFY THE PROJECT SHALL BE PLACED ON THE CENTER OF EACH SIDE OF THE SIGN. THE CENTER SHALL BE PLACED 10\"/>



REV	DESCRIPTION	DATE	BY
1	REVISION		
2			
3			
4			
5			

ACCEPTED BY	
BY: _____	DATE: _____
RECOMMENDED	
BY: _____	DATE: _____
CITY OF POMONA	
PUBLIC WORKS DEPARTMENT / ENGINEERING DIVISION	
LINCOLN PARK IMPROVEMENTS	
ELECTRICAL DETAILS	
SCALE	DESIGNED: _____
	DRAWN: _____
	CHECKED: _____
	REVIEWED: _____
	DATE BY: AS SHOWN
	Plan Number _____