



City of Oakland, Bicyclist & Pedestrian Advisory Commission
Minutes from the December 21, 2017 meeting
City Hall, 2nd Floor, Sgt Daniel Sakai Hearing Room (aka Hearing Room 4)

Meeting agenda at www2.oaklandnet.com/062357.

Meeting called to order at 6:00 pm by BPAC Chair, Ryan Chan.

Item 1. Roll Call/Determination of Quorum/Introductions

At roll call, quorum was established with eight commissioners present (X). One (-) was absent, unexcused (didn't provide the notice of absence as specified in by-laws).

Commissioners	Present
Reginald K Burnette Jr	X
Ryan Chan (Chair)	X
Chris Hwang	X
Christopher Kidd	X
Fred McWilliams	X
Robert Prinz (Vice-Chair)	X
Midori Tabata	X
Rosa Villalobos	-
Kenya Wheeler	X

Introductions were made.

- Other attendees: Dave Campbell (Bike East Bay), Senay Dennis (Bike East Bay), Ben Eversole (Bike East Bay), Carol Levine, Phoenix Magnum (Cycles of Change), Tiff Mueller, Matt Ward
- Staff: Lily Brown, Danielle Dai, Nicole Ferrara, Sarah Fine, Matt Jones, Kerby Olsen, David Pene, Edmond Siu, Jennifer Stanley

Item 2. Approval of meeting minutes

- A motion to **adopt the Bicyclist & Pedestrian Advisory Commission meeting minutes from November 16, 2017** was made (Tabata), seconded (Prinz), and approved by consent. Adopted minutes online at www.oaklandbikes.info/BPAC.

Item 3. Open Forum / Public Comment

- Commissioner Tabata announced an end-of-year donation opportunity.
- Commissioner Kidd mentioned that the City Council approved an increase in budget to the Embarcadero Bridge project from \$18 million to \$29 million. He is concerned about the cost and the implications about the City's ability to manage Measure KK Bond-funded projects.

Item 4. Bike Share Update: Implementation and Outreach

Kerby Olsen, BikeShare Coordinator, and Senay Dennis, Bike East Bay Outreach Coordinator, introduced themselves.

1. Kerby provided an overview of the BikeShare station implementation to-date.
 - Highlights: ~800 bikes deployed in Oakland, ~1,000 Oaklanders signed up
 - Working through challenges siting two planned stations in Jack London Square—overlapping property owners are making the process more difficult
 - Vandalism has dropped precipitously
 - The City is seeking feedback from BPAC on docking station relocation criteria
 - The City seeking input to relate to Motivate on how to make Bikeshare more adaptable to different mobility needs

2. Senay provided more information about outreach for the initial phase and implementation phase.
 - Senay is working closely with Community Based Organizations and having one-on-one conversations with the community to build relationships and identify key gaps.
 - He attributed the following to the program's success with communities of color and low-income communities: \$5/year memberships, Clipper card and cash sign-ups, signups without needing a smartphone.
 - Areas for improvement include more artwork in station areas to make them more community-focused.

Summary of Discussion:

- Staff clarified that mobility needs could include a trike, hand-powered cycle, etc.
- A small number of rack removal and relocation requests have come from residents and business owners. It is currently a complaint-driven process. The City can ask Motivate (the station operator) to move 10 stations at no charge.
- BPAC Commissioners agreed that they would like to work with staff on criteria to address relocation requests, a process that might begin in spring 2018.
- Senay was critical of the initial roll-out process and the lack of community engagement, particularly in low-income communities of color.
- Kerby will provide additional data on the number of Bikeshare subscribers that are Oakland residents and the overall average income level of Bikeshare subscribers.
- People expressed concerns that Ford advertisements were so prominent, that the introductory pricing model of \$5/month for low-income members was not sustainable, and that there was a lack of availability of GoBikes for children.
- There was mention of startup bikeshare companies in Alameda and whether there could be expansion into Oakland. The City is awaiting an MTC/SFMTA dispute resolution for policy and legal guidance.
- Ideas for improvement include: how-to signage, multilingual information at station areas, more engagement in the Fruitvale area, defined targets for increasing users in low-income communities.

Speakers other than Commissioners: None.

Item 5. Vision Zero

Nicole Ferrara, Vision Zero program manager, presented on Vision Zero.

- The City has a commitment to establish a Vision Zero policy and had asked Oakland's Department of Transportation to scope out a process.
- 12 million people die each year in traffic-related incidents globally, more than in war conflicts.
- There is an uptick in traffic fatalities over the past few years for cyclists and pedestrians.
- Victims of collisions range from 3-91 years old. Every other day, someone dies or has a life-changing injury.
- In Oakland, about 30 people per year are killed in traffic crashes.
- Solutions include improving visibility in crossing areas and slowing speeds
- Data collected from recent improvements on Telegraph Ave and Harrison St show a decrease in collision rates.
- Nicole requested that the Commission provide a representative to serve on the Vision Zero task force.

Summary of Discussion:

- Discussion around what best practices and learning lessons might be from other jurisdictions, and what a roadmap for success would look like.
- There is consideration of an interdepartmental approach with more involvement of the Mayor and Council.
- Oakland is adopting lessons learned from Vision Zero in San Francisco, and Nicole is drawing from her experience as the former Executive Director of Walk SF.
- Task force should engage CBOs, including from communities like West Oakland, Fruitvale, and deep East Oakland.
- The City should be clear about what it's trying to achieve with the law enforcement aspect of Vision Zero.
- The goal is to start the task force by March. The commissioner representing the BPAC on the task force could be one of the three new appointees. The Task Force is expected to have 5-6 meetings, once per month.

Speakers other than commissioners: Matt Ward

Item 6. Lakeside Green Street Revision

Edmond Siu, Civil Engineer, presented on the Lakeside Green Streets project and distributed handouts with the engineering plans; *see handout, attached:*

- The original concept came from the Lake Merritt Specific Plan. The goal is to expand park space, provide greater bike access, and enhance pedestrian safety and comfort.
- Prominent changes include converting part of a bike lane into a two-way cycletrack and adding an enhanced bike signal phase connecting to Madison into Downtown.

Summary of Discussion:

- The original project is in construction and this revision to the design with the cycle-track is currently in negotiation with the contractor; work is expected to begin in 4 months.
- The engineers are using landscaping and paint to provide greater visibility prior to the cyclist/vehicle mixing zones at the intersection of Grand and Harrison.
- The section along Lakeside Drive met Caltrans' standards.
- The City should consider expected, not predicted behavior from cyclists—yield signs for bicycles at the two mixing zones would be more practical than expecting cyclists to stop.

- Phase 2 of the project will extend the cycle track north to 27th Street and include a protected intersection at Harrison St and Grand Ave.
- There are concerns about the width for ADA compliance near light poles.
- For unprotected sections of the bikeway, consider flexible posts. There are concerns about cars that could clip cyclists.

Speakers other than commissioners: Carol Levine

Item 7. Chair’s Draft Annual Report to Public Works Committee of the Oakland City Council

Commissioner Chan asked if there were any questions about the draft report. None were provided. The Council’s Public Works Committee meeting in December was cancelled due to the strike. Dan Kalb is still the chair. He has been supportive of BPAC.

Item 8. Report from Open Forum Committee

Commissioner Tabata provided an update and thanked the commissioners for their support. Examples of the committee’s work include interfacing with the community to use SeeClickFix and working on temporary construction guidelines. The commission will need to provide volunteers for additional committees and consider the new commissioners.

Item 9. Three-month agenda look-ahead suggestions for meeting topics, announcements

The agenda items planned for January, February, and March were printed in the agenda. Suggestions for new agenda items included:

- Coordinating signal timing, enforcement (Tabata)

Announcements:

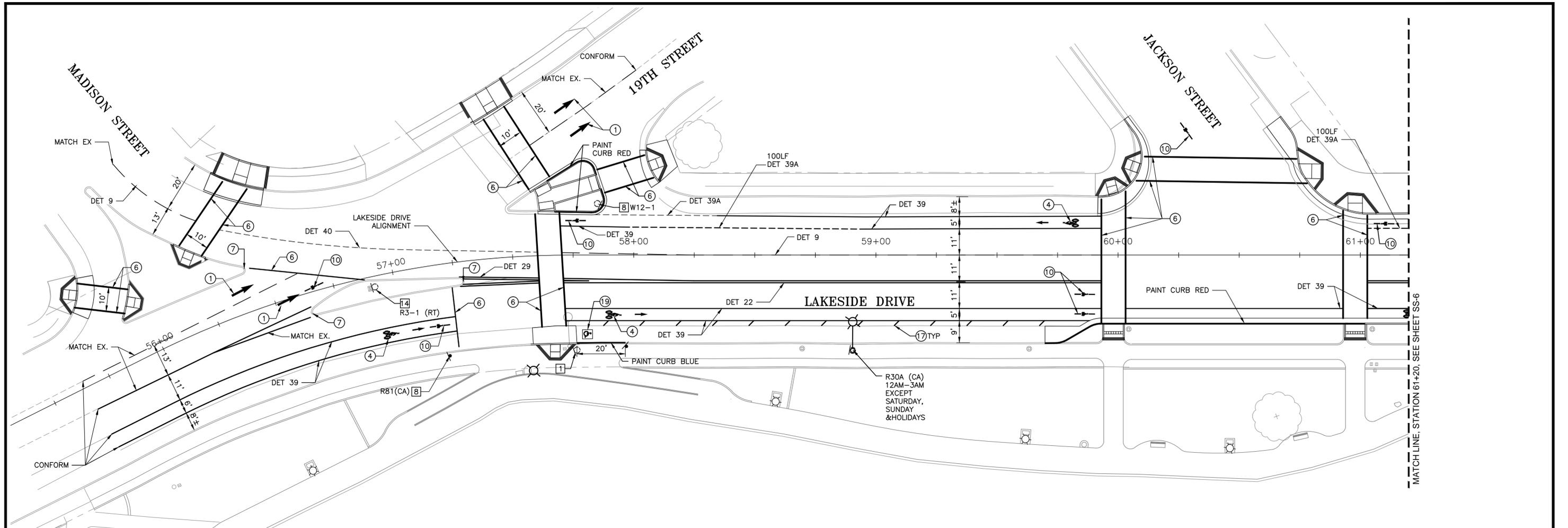
- Commissioner Tabata is stepping down from the Alameda CTC BPAC and Commissioner McWilliams will be taking her place.

Chair Chan adjourned the meeting at 8:02 pm.

Minutes recorded by Matt Jones, Bicycle & Pedestrian Facilities Coordinator, emailed to meeting attendees for review on Thursday, December 28 with comments requested by 5pm, Friday January 5 to mbjones@oaklandnet.com. Revised minutes were added to the January 2018 meeting agenda and adopted at that meeting.

ATTACHMENT ID
PROJECT FOOTPRINT MAP





GENERAL NOTES:

1. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
2. LAYOUT AND CONTROL MARKS SHALL BE PLACED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PERMANENT STRIPING, MARKERS OR MARKINGS.
3. ALL PROPOSED DELINEATION SHALL MATCH THE LAYOUT OF EXISTING STRIPING AT LIMITS OF WORK.
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6. PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
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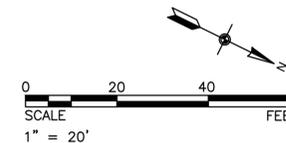
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- 18 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
- 19 ISA MARKING PER CALTRANS STANDARD DETAIL A24C.

SIGNING KEY NOTES:

- 1 RELOCATED R36 (CA) "COMMERCIAL VEHICLES..."

- 2 RELOCATED "20TH STREET →" SIGN
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- 4 REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT 1" SIGN
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- 14 RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN



	505 14TH STREET SUITE 1000 OAKLAND, CALIFORNIA 94612 PHONE: (510) 835-7251 FAX: (510) 835-9839
	CHECKED BY J.D.V.
	DESIGNED BY J.D.V.
	DRAWN BY J.D.G.



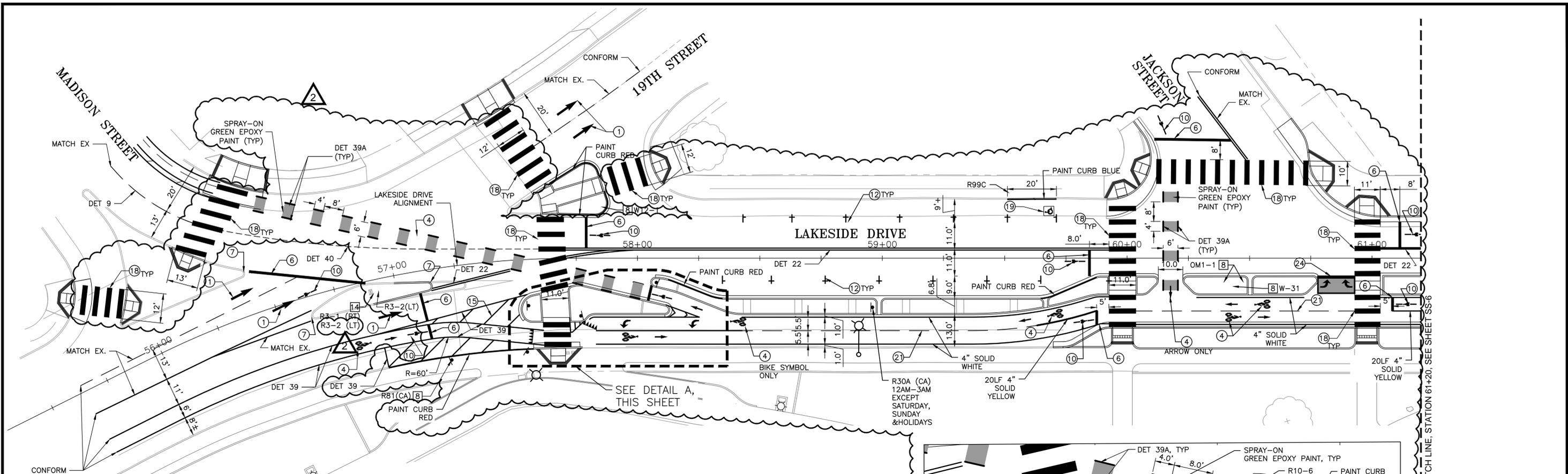
LAKESIDE GREEN STREETS PROJECT

No.	DATE	BY	REFERENCE

SIGNING AND STRIPING PLAN 5

PROJECT NO. C393910	
SCALE: HOR: VERT: DATE: 02-18-2016	SHEET NO. SS-5 80 OF 191

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PLOT DATE: 02-26-16
PLOTTED BY: jdvargara



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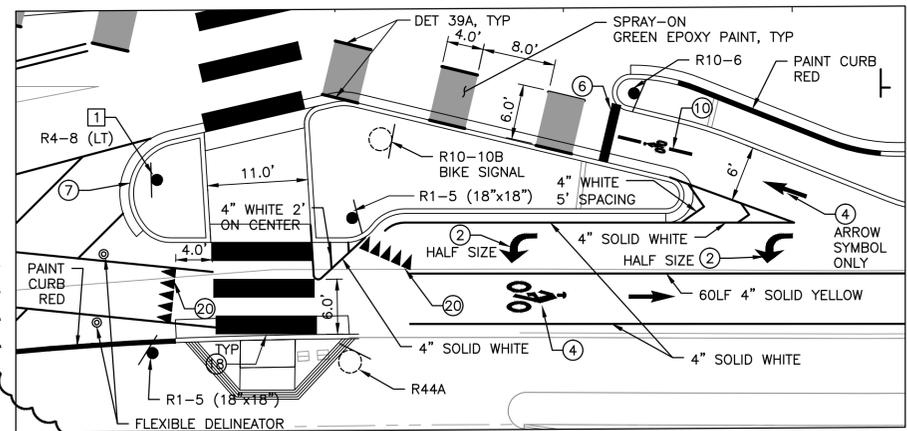
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- ㉒ HIGH VISIBILITY CROSSWALK PER DETAIL 1 ON SHEET SS-6
- ㉓ TWO WAY BIKEWAY CROSSING PER DETAIL 1 ON SHEET SS-3
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DETAIL A

SCALE: 1" = 10'-0"



LAKESIDE GREEN STREETS PROJECT

City of Oakland | Department of Transportation

250 FRANK H. OGAWA PLAZA
SUITE 4314
OAKLAND, CA 94612
PH (510) 238-3437
FAX (510) 238-7227

CHECKED BY MA
DESIGNED BY ES
DRAWN BY PM/ES



CHECKED BY JDV
DESIGNED BY JDV
DRAWN BY JSV

505 14TH STREET
SUITE 1000
OAKLAND, CALIFORNIA 94612
PHONE: (510) 835-7251
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No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	11/16/2017	MA, CITY	ESI#4 CYCLE TRACK

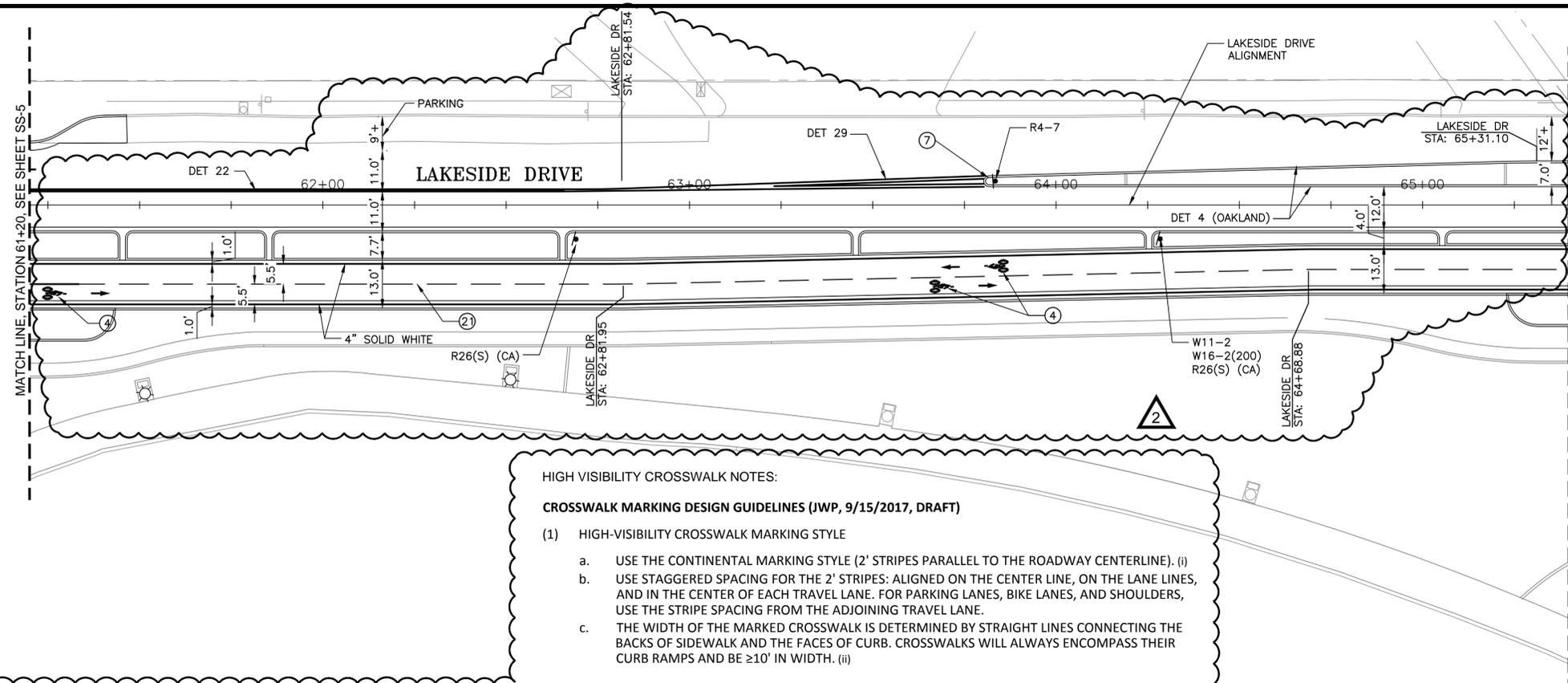
SIGNING AND STRIPING PLAN 5

PROJECT NO.
C393910

SCALE:
HOR:
VERT:
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SHEET NO.
SS-5
80 OF 191

DRAWING NAME: \\cfs1\pww\Engineering\Streets\PROJECTS\1. ACT\NEW\1001688 - Lakeside Green Project (ES)2. DESIGN\0. CAD\SS-5.dwg
PLOT DATE: 11-16-17
PLOTTED BY: GaurabM



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 - 24 2-STAGE BIKE BOX PER DETAIL 1 ON SHEET SS-3

HIGH VISIBILITY CROSSWALK NOTES:

CROSSWALK MARKING DESIGN GUIDELINES (JWP, 9/15/2017, DRAFT)

(1) HIGH-VISIBILITY CROSSWALK MARKING STYLE

- USE THE CONTINENTAL MARKING STYLE (2' STRIPES PARALLEL TO THE ROADWAY CENTERLINE). (i)
- USE STAGGERED SPACING FOR THE 2' STRIPES: ALIGNED ON THE CENTER LINE, ON THE LANE LINES, AND IN THE CENTER OF EACH TRAVEL LANE. FOR PARKING LANES, BIKE LANES, AND SHOULDERS, USE THE STRIPE SPACING FROM THE ADJOINING TRAVEL LANE.
- THE WIDTH OF THE MARKED CROSSWALK IS DETERMINED BY STRAIGHT LINES CONNECTING THE BACKS OF SIDEWALK AND THE FACES OF CURB. CROSSWALKS WILL ALWAYS ENCOMPASS THEIR CURB RAMPS AND BE ≥10' IN WIDTH. (ii)

- (1) LOCATIONS FOR MARKING HIGH-VISIBILITY CROSSWALKS
- SCHOOL CROSSINGS
 - UNCONTROLLED CROSSINGS OF ARTERIAL AND COLLECTOR STREETS
 - SIGNALIZED CROSSINGS
 - MID-BLOCK CROSSINGS
 - CROSSINGS AT ALL-WAY STOP-CONTROLLED INTERSECTIONS OF ONE OR MORE COLLECTOR/ARTERIAL STREETS

- (1) CROSSWALK MARKINGS IN OTHER LOCATIONS
- ALL SIDE-STREET STOP-CONTROLLED CROSSINGS ALONG ARTERIAL AND COLLECTOR STREETS WITH SIDEWALKS: MARK TRANSVERSE CROSSWALKS (TWO ONE-FOOT WHITE STRIPES, 10' PART, CENTERED ON THE CURB RAMPS OR SIDEWALKS THAT THE CROSSWALK CONNECTS).
 - INTERSECTIONS OF TWO LOCAL STREETS: CROSSWALKS WILL GENERALLY NOT BE MARKED UNLESS THERE ARE SITE-SPECIFIC REASONS FOR DOING SO.

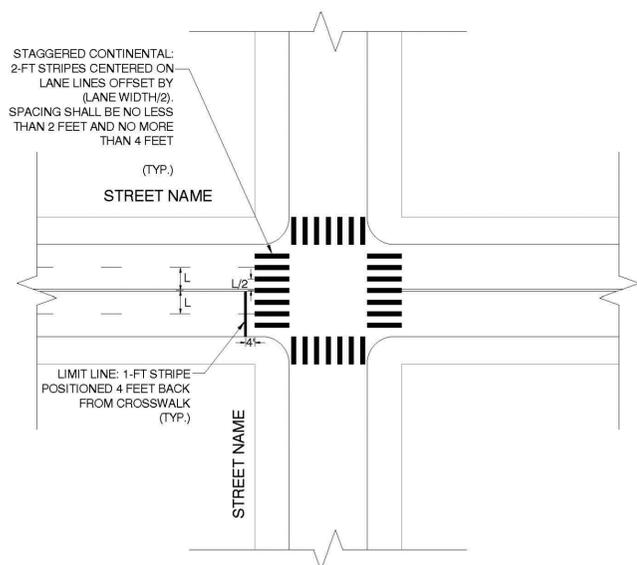
- (1) LIMIT LINES AND YIELD LINES
- INCLUDE LIMIT LINES 8' BACK FROM ALL CONTINENTAL CROSSWALKS ON CONTROLLED APPROACHES (I.E., TRAFFIC SIGNAL OR STOP SIGN). (iv)
 - INCLUDE YIELD LINES ≥20' FROM UNCONTROLLED CROSSWALKS WITH TWO OR MORE APPROACH LANES.

i. IN LOCATIONS WHERE TRANSVERSE CROSSWALKS ARE ALREADY MARKED, ADD THE CONTINENTAL CROSSWALK AND DO NOT REFRESH THE TRANSVERSE STRIPES. ALLOW THE TRANSVERSE CROSSWALK STRIPES TO FADE OUT.

ii. FOR CORNERS WITH "DIAGONAL" OR "APEX" CURB RAMPS, THE MARKED CROSSWALK MUST INCLUDE AN AREA AT THE BASE OF THE CURB RAMP THAT EXTENDS INTO THE STREET BY FIVE FEET. IN THESE INSTANCES, SET WITH WIDTH OF THE CROSSWALK FROM BACK OF SIDEWALK TO A POINT FIVE FEET OFF THE BASE OF THE CURB RAMP (NOT FACE OF CURB).

iii. THIS GUIDANCE PRIMARILY ADDRESSES HOW TO MARK A CROSSWALK. TO DETERMINE IF A CROSSWALK SHOULD BE MARKED, CONSULT THE CITY OF OAKLAND CROSSWALK POLICY (2011) AND THE PROPOSED REVISION INCLUDED IN THE CITY OF OAKLAND DRAFT GREAT STREETS DESIGN GUIDELINES (AUGUST 2017). HOWEVER, SEE 3(A) ABOVE.

iv. IN LOCATIONS WITH EXISTING MARKINGS, IT MAY NOT BE POSSIBLE TO PLACE THE LIMIT LINE EIGHT FEET BACK FROM THE CROSSWALK. (LANE ASSIGNMENT ARROWS AND STOP LEGENDS ARE TYPICALLY PLACED EIGHT FEET IN ADVANCE OF CROSSWALKS.) IN SUCH LOCATIONS, PLACE THE LIMIT LINE TWO FEET IN FRONT OF THE CONFLICTING MARKINGS AND ALWAYS ≥4' FROM THE CROSSWALK.

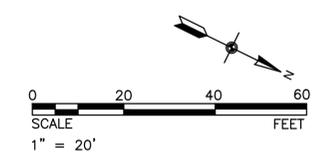


HIGH VISIBILITY CROSSWALK

SCALE: NTS

1 SS-6

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 - 10 REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
 - 11 R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
 - 12 R30B (CA) TUES & THURS 12 AM - 3 AM
 - 13 RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
 - 14 RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN



City of Oakland | Department of Transportation

250 FRANK H. OGAWA PLAZA
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OAKLAND, CA 94612
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FAX (510) 238-7227

CHECKED BY MA
DESIGNED BY ES
DRAWN BY PM/ES

REGISTERED PROFESSIONAL ENGINEER
BENJAMIN M. ALAOU
No. C68536
CIVIL
STATE OF CALIFORNIA

Tran Systems

505 14TH STREET
SUITE 1000
OAKLAND, CALIFORNIA 94612
PHONE: (510) 835-7251
FAX: (510) 835-9839

CHECKED BY JDV
DESIGNED BY JDV
DRAWN BY JSV

REGISTERED PROFESSIONAL ENGINEER
JESOME DE VERBER
No. C60334
Exp. 6/30/18
STATE OF CALIFORNIA

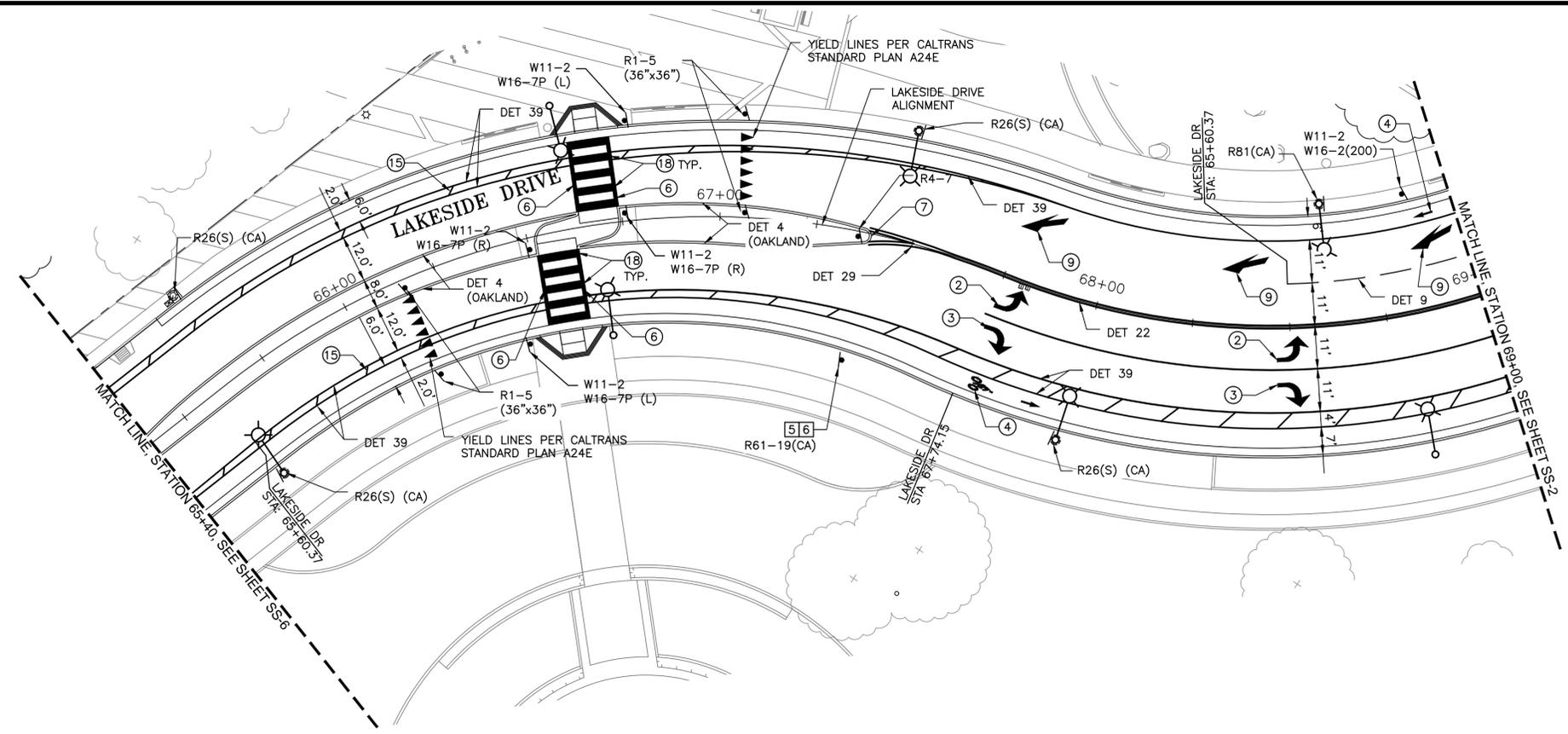
No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	10/23/2017	MA, CITY	ESI#4 CYCLE TRACK

SIGNING AND STRIPING PLAN 6

PROJECT NO. **C393910**

SCALE: HOR: VERT: DATE: 01/16/2017

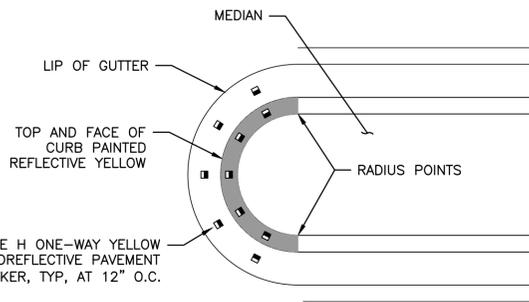
SHEET NO. **SS-6**
81 OF 191



- GENERAL NOTES:**
1. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
 2. LAYOUT AND CONTROL MARKS SHALL BE PLACED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PERMANENT STRIPING, MARKERS OR MARKINGS.
 3. ALL PROPOSED DELINEATION SHALL MATCH THE LAYOUT OF EXISTING STRIPING AT LIMITS OF WORK.
 4. THE CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 5. DIMENSIONS ARE FROM FACE OF CURB (FC), UNLESS OTHERWISE NOTED.
 6. PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 7. RED CURB SHALL NOT BE PAINTED WITHIN THE LIMITS OF DRIVEWAY AND CURB RAMPS.
 8. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING AND MARKINGS.
 9. CONTRACTOR SHALL SALVAGE AND REUSE ANY SIGN DEEMED TO BE IN ACCEPTABLE CONDITION BY THE ENGINEER, IF NEEDED ON THE PROJECT.

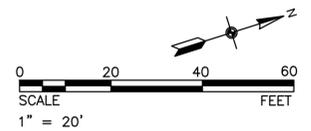
- STRIPING KEY NOTES:**
- ① TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - ② TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - ③ TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - ④ BIKE LANE SYMBOL AND ARROW PER DETAILS ON CALTRANS STD PLANS A24A AND A24C
 - ⑤ SHARED ROADWAY BICYCLE MARKING PER CITY OF OAKLAND DETAIL X-1 AND MUTCD 2003 CALIFORNIA SUPPLEMENT SECTION 9C.103, FIGURE 9C-107
 - ⑥ 12" WHITE
 - ⑦ PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
 - ⑧ 8" WHITE AT 10' ON CENTER
 - ⑨ TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - ⑩ BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
 - ⑪ PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
 - ⑫ PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
 - ⑬ TYPE VIII ARROWS PER DETAIL ON CALTRANS STD PLAN A24A
 - ⑭ REMOVE PAVEMENT MARKING
 - ⑮ 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
 - ⑯ 6" YELLOW AT 15' ON CENTER.
 - ⑰ 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
 - ⑱ 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
 - ⑲ ISA MARKING PER CALTRANS STANDARD DETAIL A24C.

- SIGNING KEY NOTES:**
- 1 RELOCATED R36 (CA) "COMMERCIAL VEHICLES..."
 - 2 RELOCATED "20TH STREET →" SIGN
 - 3 RELOCATED "OAKLAND CONVENTION CENTER ↑" SIGN
 - 4 REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT ↓" SIGN
 - 5 RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND →" SIGN
 - 6 RELOCATED "PARAMOUNT THEATER" SIGN
 - 7 RELOCATED STREET NAME SIGN
 - 8 REUSE EXISTING SIGN ON NEW SIGN POST
 - 9 RELOCATED "OAKLAND SCENIC TOUR" SIGN
 - 10 REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
 - 11 R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
 - 12 R30B (CA) TUES & THURS 12 AM - 3 AM
 - 13 RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
 - 14 RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN



- NOTES:**
1. NUMBER OF MARKERS DEPENDENT ON MEDIAN NOSE WIDTH.
 2. FOR ISLAND NOSES AT HARRISON STREET STATION 41+50 AND LAKESIDE DRIVE STATION 56+65, USE WHITE REFLECTIVE PAINT AND CLEAR RETROREFLECTIVE MARKERS

MEDIAN NOSE DETAIL
SCALE: N.T.S.



Tran Systems
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FAX: (510) 835-9839

CHECKED BY JDV
DESIGNED BY JDV
DRAWN BY JDC



LAKESIDE GREEN STREETS PROJECT

No.	DATE	BY	REFERENCE

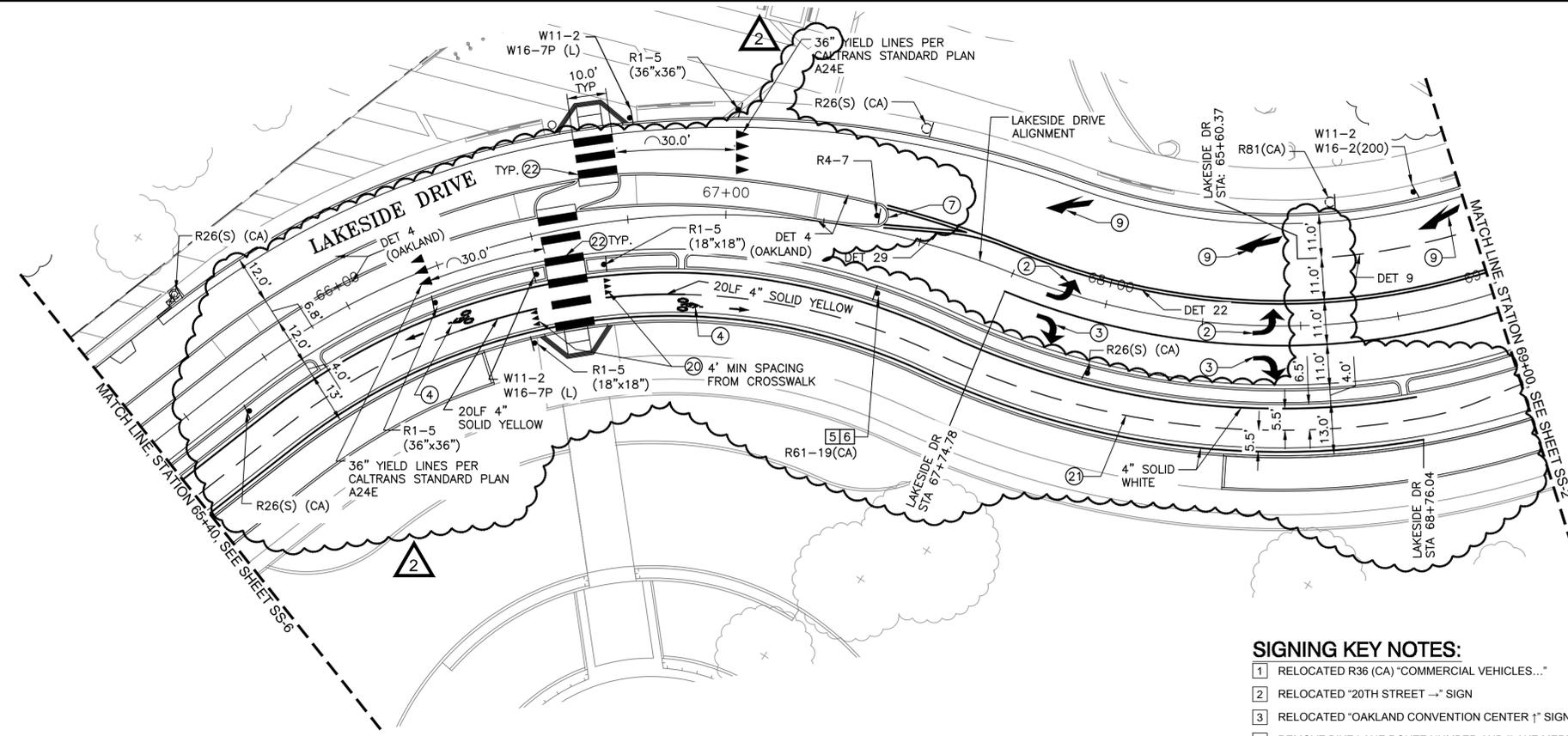
SIGNING AND STRIPING PLAN 7

PROJECT NO.
C393910

SCALE:
HOR:
VERT:
DATE: 02-18-2016

SHEET NO.
SS-7
82 OF 191

DRAWING NAME: 02-26-16
PLOT DATE: 02-26-16
PLOTTED BY: jdvengara



GENERAL NOTES:

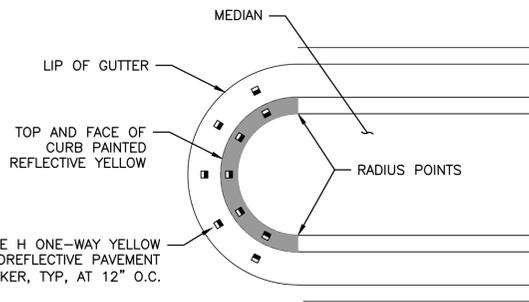
1. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
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4. THE CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. DIMENSIONS ARE FROM FACE OF CURB (FC), UNLESS OTHERWISE NOTED.
6. PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
7. RED CURB SHALL NOT BE PAINTED WITHIN THE LIMITS OF DRIVEWAY AND CURB RAMPS.
8. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING AND MARKINGS.
9. CONTRACTOR SHALL SALVAGE AND REUSE ANY SIGN DEEMED TO BE IN ACCEPTABLE CONDITION BY THE ENGINEER, IF NEEDED ON THE PROJECT.

STRIPING KEY NOTES:

- 1 TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 2 TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 3 TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 4 BIKE LANE SYMBOL AND ARROW PER DETAILS ON CALTRANS STD PLANS A24A AND A24C
- 5 SHARED ROADWAY BICYCLE MARKING PER CITY OF OAKLAND DETAIL X-1 AND MUTCD 2003 CALIFORNIA SUPPLEMENT SECTION 9C.103, FIGURE 9C-107
- 6 12" WHITE
- 7 PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
- 8 8" WHITE AT 10' ON CENTER
- 9 TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 10 BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
- 11 PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
- 12 PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
- 13 TYPE VII (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 14 REMOVE PAVEMENT MARKING
- 15 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
- 16 6" YELLOW AT 15' ON CENTER.
- 17 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
- 18 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
- 19 ISA MARKING PER CALTRANS STANDARD DETAIL A24C.
- 20 18" HIGH YIELD LINES PER CA MUTCD 2014, REV 2, SECT 3B.16, FIG 3B-16
- 21 4" YELLOW CENTER STRIPING PER CA MUTCD 2014, REV 2, SECT 9C.03, FIG 9C-2
- 22 HIGH VISIBILITY CROSSWALK PER DETAIL 1 ON SHEET SS-6
- 23 TWO WAY BIKEWAY CROSSING PER DETAIL 1 ON SHEET SS-2
- 24 2-STAGE BIKE BOX PER DETAIL 1 ON SHEET SS-3

SIGNING KEY NOTES:

- 1 RELOCATED R36 (CA) "COMMERCIAL VEHICLES..."
- 2 RELOCATED "20TH STREET →" SIGN
- 3 RELOCATED "OAKLAND CONVENTION CENTER ↑" SIGN
- 4 REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT ↑" SIGN
- 5 RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND →" SIGN
- 6 RELOCATED "PARAMOUNT THEATER" SIGN
- 7 RELOCATED STREET NAME SIGN
- 8 REUSE EXISTING SIGN ON NEW SIGN POST
- 9 RELOCATED "OAKLAND SCENIC TOUR" SIGN
- 10 REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
- 11 R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
- 12 R30B (CA) TUES & THURS 12 AM - 3 AM
- 13 RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
- 14 RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN

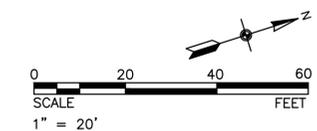


NOTES:

1. NUMBER OF MARKERS DEPENDENT ON MEDIAN NOSE WIDTH.
2. FOR ISLAND NOSES AT HARRISON STREET STATIONS 33+20 AND 41+25 AND LAKESIDE DRIVE STATION 56+65, USE WHITE REFLECTIVE PAINT AND CLEAR RETROREFLECTIVE MARKERS.

MEDIAN NOSE DETAIL

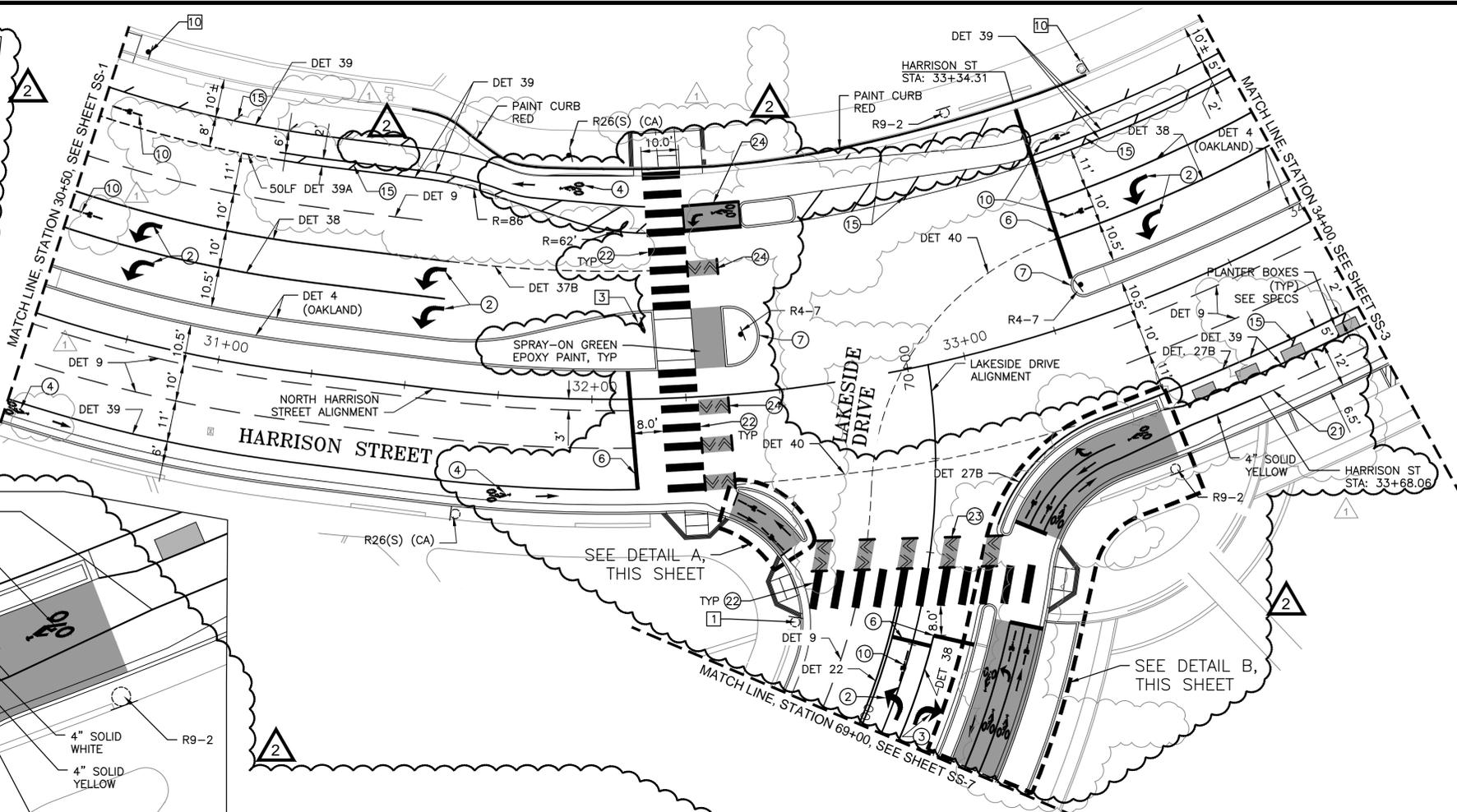
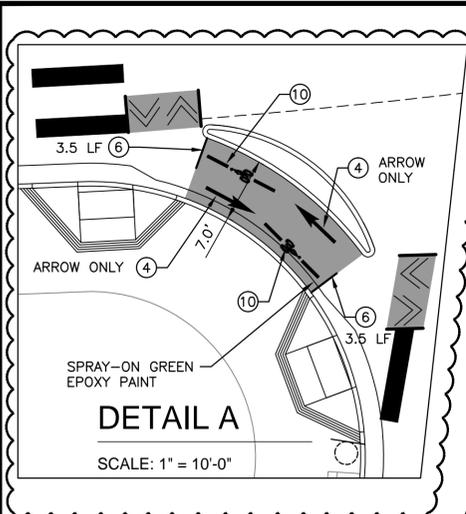
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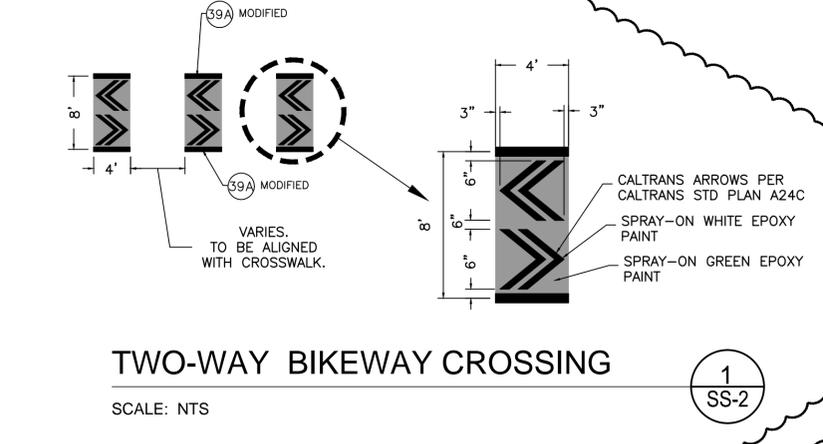
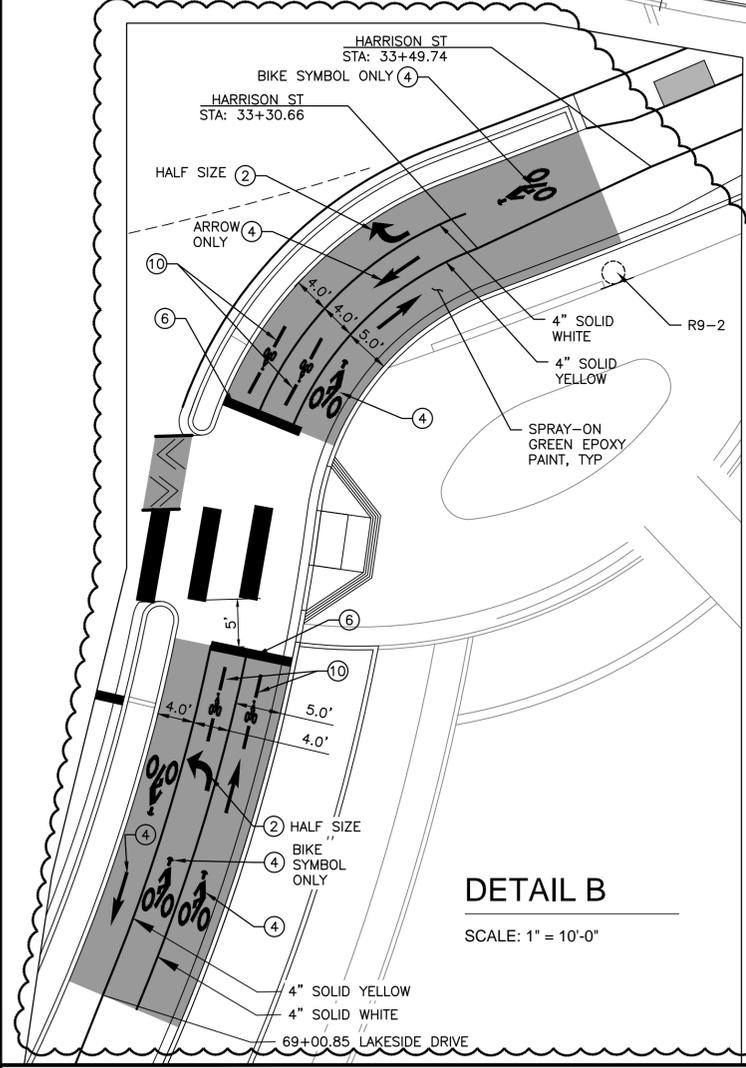
		250 FRANK H. OGAWA PLAZA SUITE 4314 OAKLAND, CA 94612 PH (510) 238-3437 FAX (510) 238-7227					
CHECKED BY	MA	CHECKED BY	JDV				
DESIGNED BY	ES	DESIGNED BY	JDV				
DRAWN BY	PM/ES	DRAWN BY	JSV				

No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	10/23/2017	MA, CITY	ESI#4 CYCLE TRACK

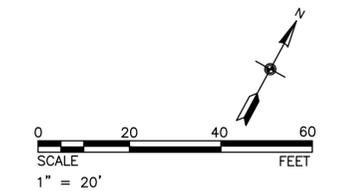
SIGNING AND STRIPING PLAN 7		PROJECT NO. C393910	
		SCALE: HOR: VERT: DATE: 01/16/2017	SHEET NO. SS-7 82 OF 191



- GENERAL NOTES:**
- ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
 - LAYOUT AND CONTROL MARKS SHALL BE PLACED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PERMANENT STRIPING, MARKERS OR MARKINGS.
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 - THE CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - DIMENSIONS ARE FROM FACE OF CURB (FC), UNLESS OTHERWISE NOTED.
 - PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - RED CURB SHALL NOT BE PAINTED WITHIN THE LIMITS OF DRIVEWAY AND CURB RAMPS.
 - CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING AND MARKINGS.
 - CONTRACTOR SHALL SALVAGE AND REUSE ANY SIGN DEEMED TO BE IN ACCEPTABLE CONDITION BY THE ENGINEER, IF NEEDED ON THE PROJECT.
- STRIPING KEY NOTES:**
- TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - BIKE LANE SYMBOL AND ARROW PER DETAILS ON CALTRANS STD PLANS A24A AND A24C
 - SHARED ROADWAY BICYCLE MARKING PER CITY OF OAKLAND DETAIL X-1 AND MUTCD 2003 CALIFORNIA SUPPLEMENT SECTION 9C.103, FIGURE 9C-107
 - 12" WHITE
 - PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
 - 8" WHITE AT 10' ON CENTER
 - TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
 - PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
 - PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
 - TYPE VII (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - REMOVE PAVEMENT MARKING
 - 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
 - 6" YELLOW AT 15' ON CENTER.
 - 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
 - 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
 - ISA MARKING PER CALTRANS STANDARD DETAIL A24C.
 - 18" HIGH YIELD LINES PER CA MUTCD 2014, REV 2, SECT 3B.16, FIG 3B-16
 - 4" YELLOW CENTER STRIPING PER CA MUTCD 2014, REV 2, SECT 9C.03, FIG 9C-2
 - HIGH VISIBILITY CROSSWALK PER DETAIL 1 ON SHEET SS-6
 - TWO WAY BIKEWAY CROSSING PER DETAIL 1 ON SHEET SS-2
 - 2-STAGE BIKE BOX PER DETAIL 1 ON SHEET SS-3



- SIGNING KEY NOTES:**
- RELOCATED R36 (CA) "COMMERCIAL VEHICLES..."
 - RELOCATED "20TH STREET →" SIGN
 - RELOCATED "OAKLAND CONVENTION CENTER 1" SIGN
 - REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT 1" SIGN
 - RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND →" SIGN
 - RELOCATED "PARAMOUNT THEATER" SIGN
 - RELOCATED STREET NAME SIGN
 - REUSE EXISTING SIGN ON NEW SIGN POST
 - RELOCATED "OAKLAND SCENIC TOUR" SIGN
 - REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
 - R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
 - R30B (CA) TUES & THURS 12 AM - 3 AM
 - RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
 - RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN



		250 FRANK H. OGAWA PLAZA SUITE 4314 OAKLAND, CA 94612 PH (510) 238-3437 FAX (510) 238-7227					
CHECKED BY	MA	505 14TH STREET SUITE 1000 OAKLAND, CALIFORNIA 94612 PHONE: (510) 835-7251 FAX: (510) 835-9839			CHECKED BY	JDV	
DESIGNED BY	ES				DESIGNED BY	JDV	
DRAWN BY	PM/ES				DRAWN BY	JSV	

CITY OF OAKLAND
 DEPARTMENT OF ENGINEERING AND CONSTRUCTION
 250 FRANK H. OGAWA PLAZA, SUITE 4314 • OAKLAND CA, 94612
 (510) 238-3437 • FAX (510) 238-7227

LAKESIDE GREEN STREETS PROJECT

No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	11/16/2017	MA, CITY	ESI#4 CYCLE TRACK

PROJECT NO.
C393910

SIGNING AND STRIPING PLAN 2

SCALE:
 HOR:
 VERT:
 DATE: 01/16/2017

SHEET NO.
SS-2
 77 OF 191

DRAWING NAME: \\cfs1\pww\Engineering\Streets\PROJECTS\1. ACTIVE\11001688 - Lakeside Green Project (ES)2. DESIGN\0. CAD\SS-2.dwg
 PLOT DATE: 11-16-17
 PLOTTED BY: GaurabM

GENERAL NOTES:

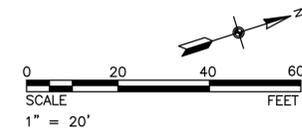
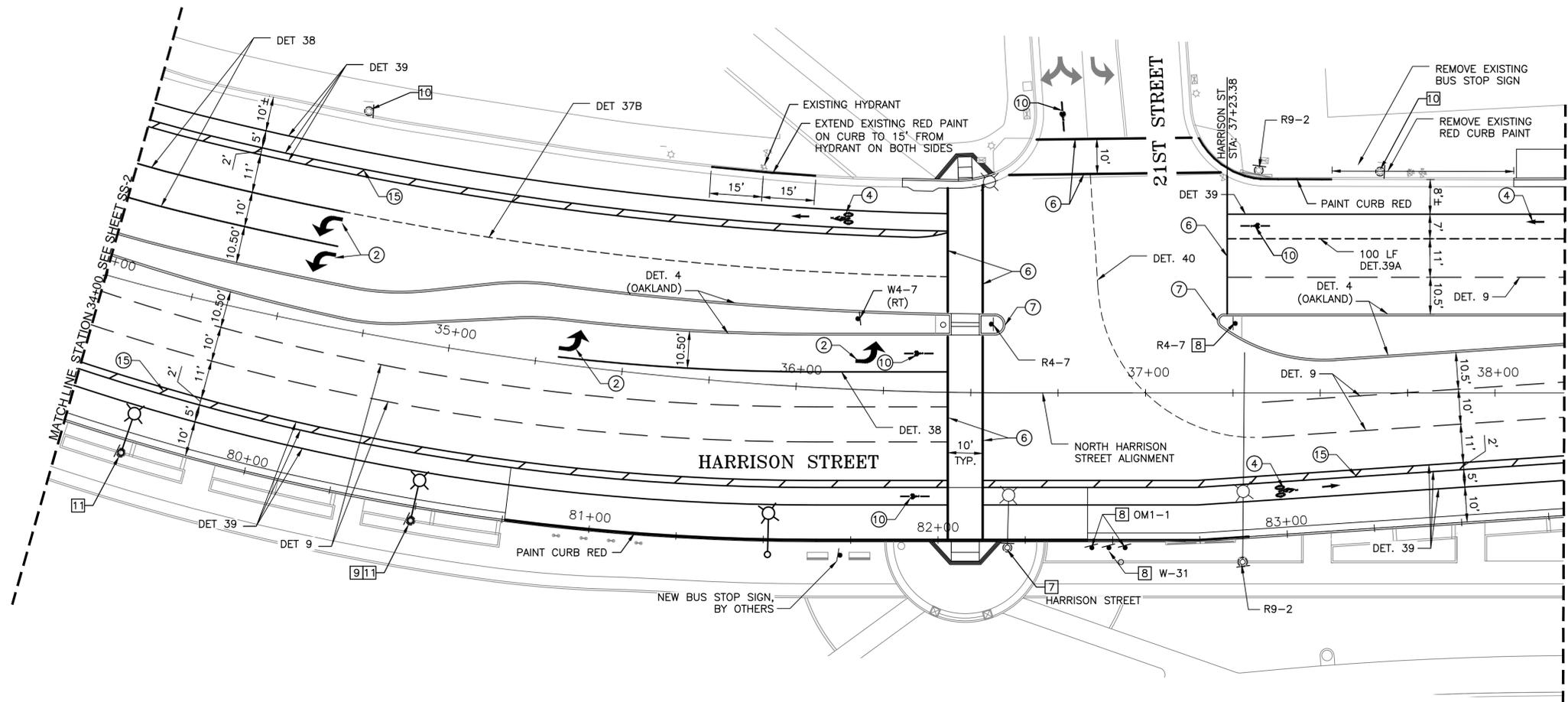
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STRIPING KEY NOTES:

- TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
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- PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
- PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
- TYPE VIII ARROWS PER DETAIL ON CALTRANS STD PLAN A24A
- REMOVE PAVEMENT MARKING
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- 6" YELLOW AT 15' ON CENTER.
- 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
- 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
- ISA MARKING PER CALTRANS STANDARD DETAIL A24C.

SIGNING KEY NOTES:

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- RELOCATED "20TH STREET →" SIGN
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- RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND →" SIGN
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Tran Systems
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 OAKLAND, CALIFORNIA 94612
 PHONE: (510) 835-7251
 FAX: (510) 835-9839

CHECKED BY JDV
 DESIGNED BY JDV
 DRAWN BY JDC



LAKESIDE GREEN STREETS PROJECT

No.	DATE	BY	REFERENCE

SIGNING AND STRIPING PLAN 3

PROJECT NO.
C393910

SCALE:
HOR:
VERT:
DATE: 02-18-2016

SHEET NO.
SS-3
78 OF 191

DRAWING NAME: G:\CH06\0608\0608\Plan\SS-3.dwg
 PLOT DATE: 02-26-16
 PLOTTED BY: jdvengara

GENERAL NOTES:

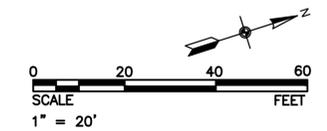
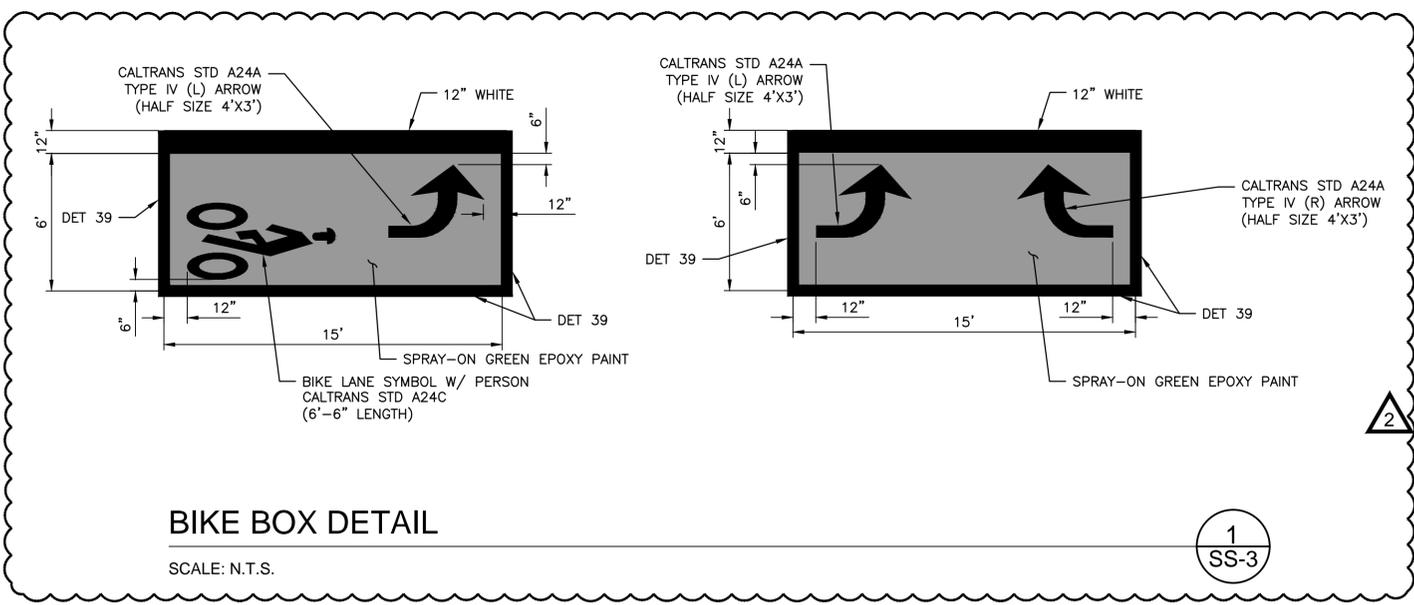
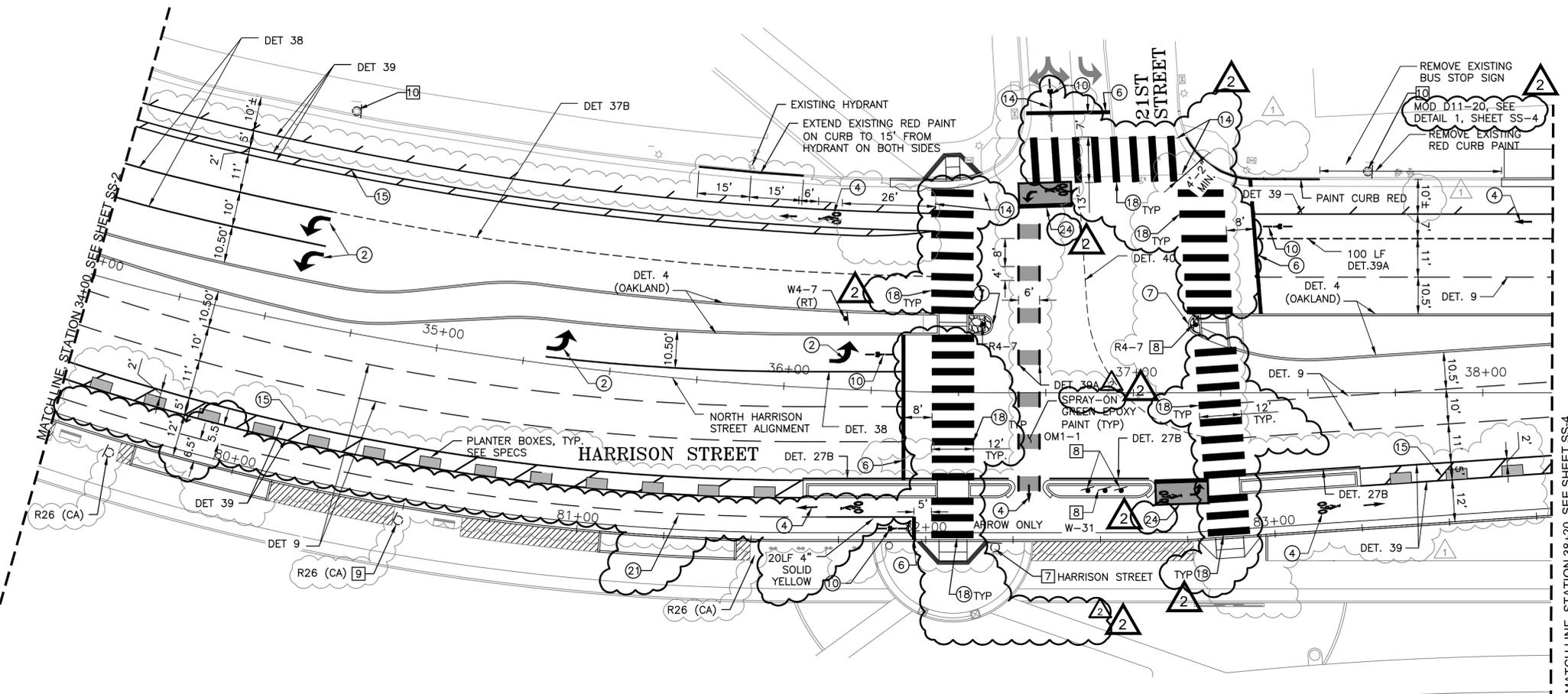
1. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
2. LAYOUT AND CONTROL MARKS SHALL BE PLACED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PERMANENT STRIPING, MARKERS OR MARKINGS.
3. ALL PROPOSED DELINEATION SHALL MATCH THE LAYOUT OF EXISTING STRIPING AT LIMITS OF WORK.
4. THE CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. DIMENSIONS ARE FROM FACE OF CURB (FC), UNLESS OTHERWISE NOTED.
6. PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
7. RED CURB SHALL NOT BE PAINTED WITHIN THE LIMITS OF DRIVEWAY AND CURB RAMPS.
8. CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING AND MARKINGS.
9. CONTRACTOR SHALL SALVAGE AND REUSE ANY SIGN DEEMED TO BE IN ACCEPTABLE CONDITION BY THE ENGINEER, IF NEEDED ON THE PROJECT.

STRIPING KEY NOTES:

- 1 TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 2 TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 3 TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 4 BIKE LANE SYMBOL AND ARROW PER DETAILS ON CALTRANS STD PLANS A24A AND A24C
- 5 SHARED ROADWAY BICYCLE MARKING PER CITY OF OAKLAND DETAIL X-1 AND MUTCD 2003 CALIFORNIA SUPPLEMENT SECTION 9C.103, FIGURE 9C-107
- 6 12" WHITE
- 7 PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
- 8 8" WHITE AT 10' ON CENTER
- 9 TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 10 BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
- 11 PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
- 12 PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
- 13 TYPE VII (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
- 14 REMOVE PAVEMENT MARKING
- 15 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
- 16 6" YELLOW AT 15' ON CENTER.
- 17 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
- 18 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
- 19 ISA MARKING PER CALTRANS STANDARD DETAIL A24C.
- 20 18" HIGH YIELD LINES PER CA MUTCD 2014, REV 2, SECT 3B.16, FIG 3B-16
- 21 4" YELLOW CENTER STRIPING PER CA MUTCD 2014, REV 2, SECT 9C.03, FIG 9C-2
- 22 HIGH VISIBILITY CROSSWALK PER DETAIL 1 ON SHEET SS-6
- 23 TWO WAY BIKEWAY CROSSING PER DETAIL 1 ON SHEET SS-2
- 24 2-STAGE BIKE BOX PER DETAIL 1 ON SHEET SS-3

SIGNING KEY NOTES:

- 1 RELOCATED R36 (CA) "COMMERCIAL VEHICLES..."
- 2 RELOCATED "20TH STREET ->" SIGN
- 3 RELOCATED "OAKLAND CONVENTION CENTER 1" SIGN
- 4 REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT 1" SIGN
- 5 RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND ->" SIGN
- 6 RELOCATED "PARAMOUNT THEATER" SIGN
- 7 RELOCATED STREET NAME SIGN
- 8 REUSE EXISTING SIGN ON NEW SIGN POST
- 9 RELOCATED "OAKLAND SCENIC TOUR" SIGN
- 10 REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
- 11 R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
- 12 R30B (CA) TUES & THURS 12 AM - 3 AM
- 13 RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
- 14 RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN

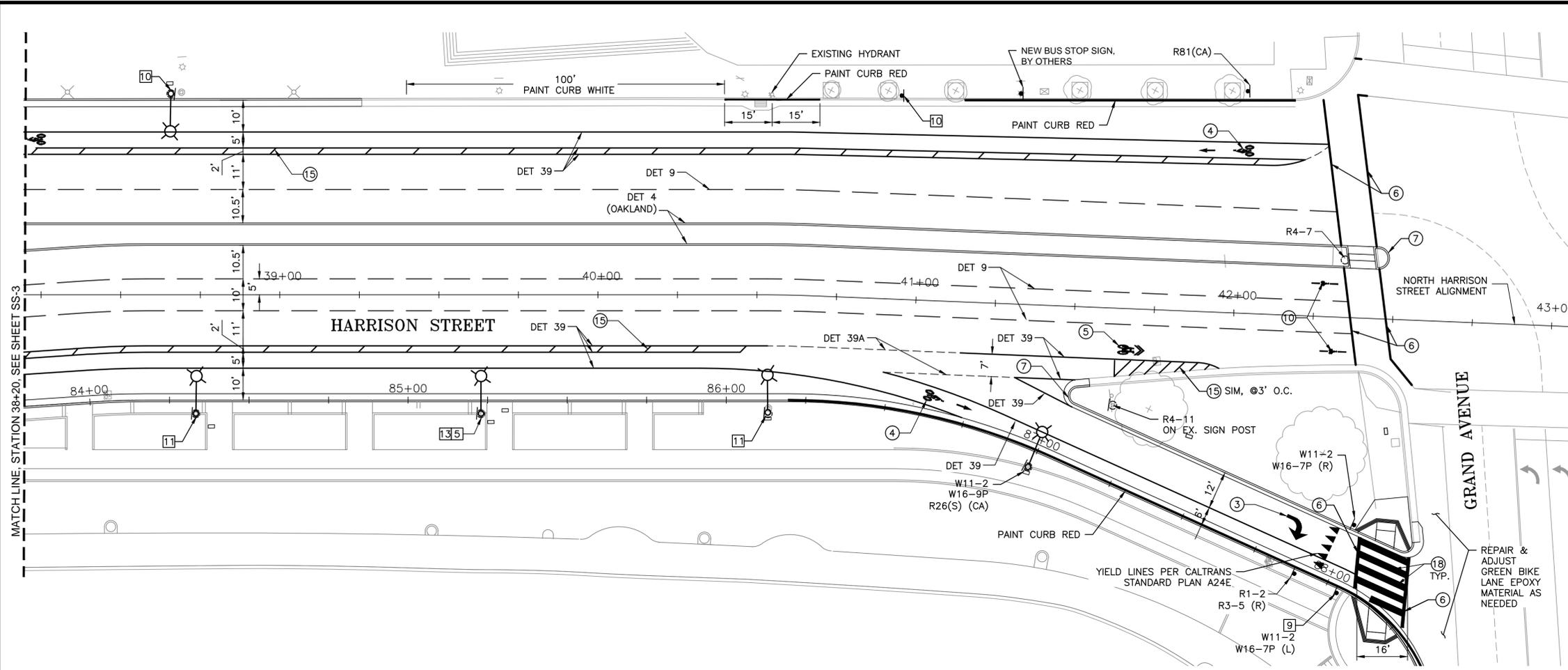


City of Oakland Department of Transportation 250 FRANK H. OGAWA PLAZA SUITE 4314 OAKLAND, CA 94612 PH (510) 238-3437 FAX (510) 238-7227		
CHECKED BY	MA	
DESIGNED BY	ES	
DRAWN BY	PM/ES	

505 14TH STREET SUITE 1000 OAKLAND, CALIFORNIA 94612 PHONE: (510) 835-7251 FAX: (510) 835-9839		
CHECKED BY	JDV	
DESIGNED BY	JDV	
DRAWN BY	JSV	

No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	11/16/2017	MA, CITY	ESI#4 CYCLE TRACK

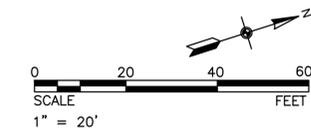
SIGNING AND STRIPING PLAN 3		PROJECT NO. C393910
SCALE: HOR: VERT: DATE: 01/16/2017	SHEET NO. SS-3 78 OF 191	



- GENERAL NOTES:**
- ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
 - LAYOUT AND CONTROL MARKS SHALL BE PLACED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY PERMANENT STRIPING, MARKERS OR MARKINGS.
 - ALL PROPOSED DELINEATION SHALL MATCH THE LAYOUT OF EXISTING STRIPING AT LIMITS OF WORK.
 - THE CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 IN THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - DIMENSIONS ARE FROM FACE OF CURB (FC), UNLESS OTHERWISE NOTED.
 - PAVEMENT DELINEATION DETAIL NUMBERS REFER TO THE DETAILS PRESENTED IN CALTRANS STANDARD PLANS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - RED CURB SHALL NOT BE PAINTED WITHIN THE LIMITS OF DRIVEWAY AND CURB RAMPS.
 - CONTRACTOR SHALL REMOVE ALL EXISTING CONFLICTING STRIPING AND MARKINGS.
 - CONTRACTOR SHALL SALVAGE AND REUSE ANY SIGN DEEMED TO BE IN ACCEPTABLE CONDITION BY THE ENGINEER, IF NEEDED ON THE PROJECT.

- STRIPING KEY NOTES:**
- TYPE I 10'-0" ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - TYPE IV (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - TYPE IV (R) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - BIKE LANE SYMBOL AND ARROW PER DETAILS ON CALTRANS STD PLANS A24A AND A24C
 - SHARED ROADWAY BICYCLE MARKING PER CITY OF OAKLAND DETAIL X-1 AND MUTCD 2003 CALIFORNIA SUPPLEMENT SECTION 9C.103, FIGURE 9C-107
 - 12" WHITE
 - PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
 - 8" WHITE AT 10' ON CENTER
 - TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
 - PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
 - PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
 - TYPE VIII ARROWS PER DETAIL ON CALTRANS STD PLAN A24A
 - REMOVE PAVEMENT MARKING
 - 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
 - 6" YELLOW AT 15' ON CENTER.
 - 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
 - 24" WHITE HIGH VISIBILITY CROSSWALK MARKINGS AT 4' ON CENTER.
 - ISA MARKING PER CALTRANS STANDARD DETAIL A24C.

- SIGNING KEY NOTES:**
- RELOCATED R36 (CA) "COMMERCIAL VEHICLES..." SIGN
 - RELOCATED "20TH STREET →" SIGN
 - RELOCATED "OAKLAND CONVENTION CENTER ↑" SIGN
 - REMOVE BIKE LANE ROUTE NUMBER AND "LAKE MERRITT ↑" SIGN
 - RELOCATED "LAKESIDE PARK/CHILDREN'S FAIRYLAND →" SIGN
 - RELOCATED "PARAMOUNT THEATER" SIGN
 - RELOCATED STREET NAME SIGN
 - REUSE EXISTING SIGN ON NEW SIGN POST
 - RELOCATED "OAKLAND SCENIC TOUR" SIGN
 - REMOVE ALL CONFLICTING "NO PARKING" SIGNS AND INSTALL R32 (CA) 2 HOUR 8AM-6PM SUNDAYS/HOLIDAYS EXCEPTED; R30B (CA) MONDAY, WEDNESDAY, FRIDAY 12AM-3AM.
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 - RELOCATED "ST. PAUL'S EPISCOPAL CHURCH" SIGN
 - RELOCATED 19TH ST/LAKESIDE DR GUIDE SIGN



TranSystems
 505 14TH STREET
 SUITE 1000
 OAKLAND, CALIFORNIA 94612
 PHONE: (510) 835-7251
 FAX: (510) 835-9839

CHECKED BY J.D.V.
 DESIGNED BY J.D.V.
 DRAWN BY J.D.G.



LAKESIDE GREEN STREETS PROJECT

No.	DATE	BY	REFERENCE

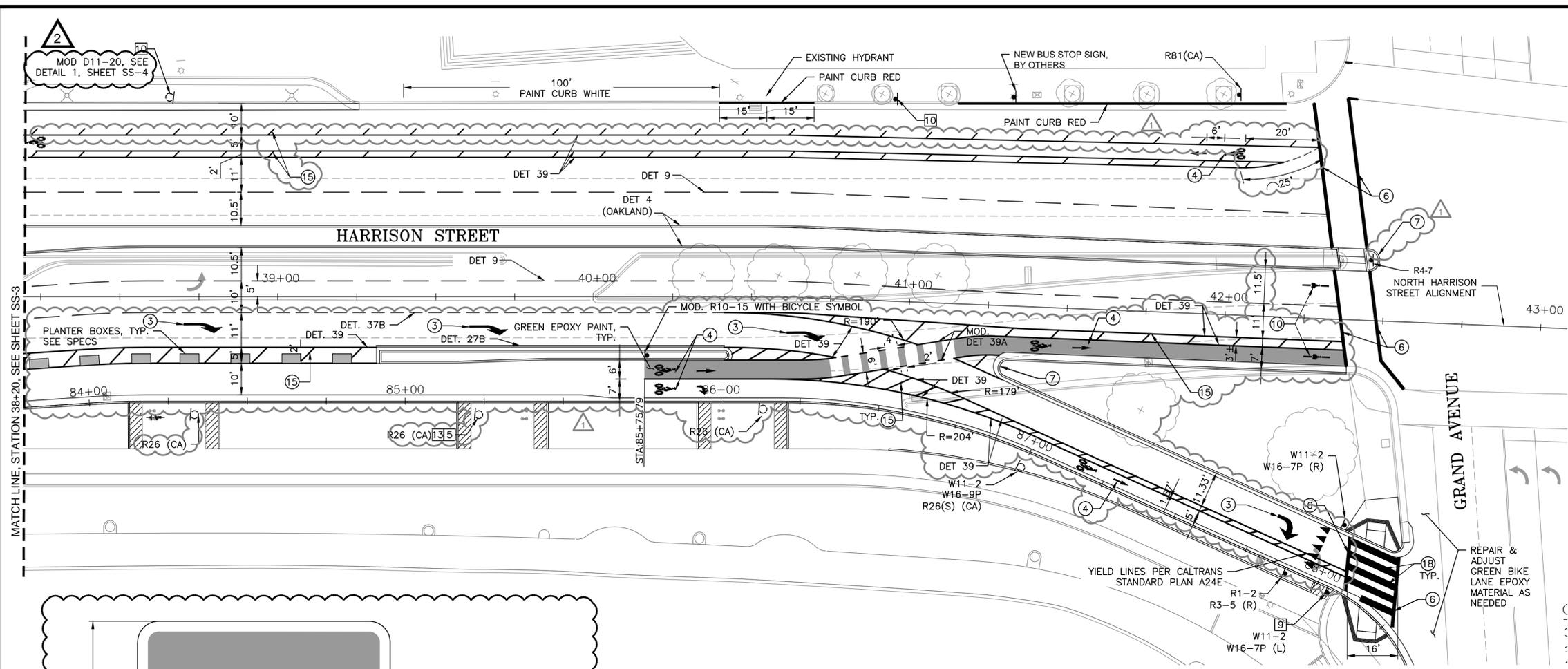
SIGNING AND STRIPING PLAN 4

PROJECT NO.
C393910

SCALE:
HOR:
VERT:
DATE: 02-18-2016

SHEET NO.
SS-4
79 OF 191

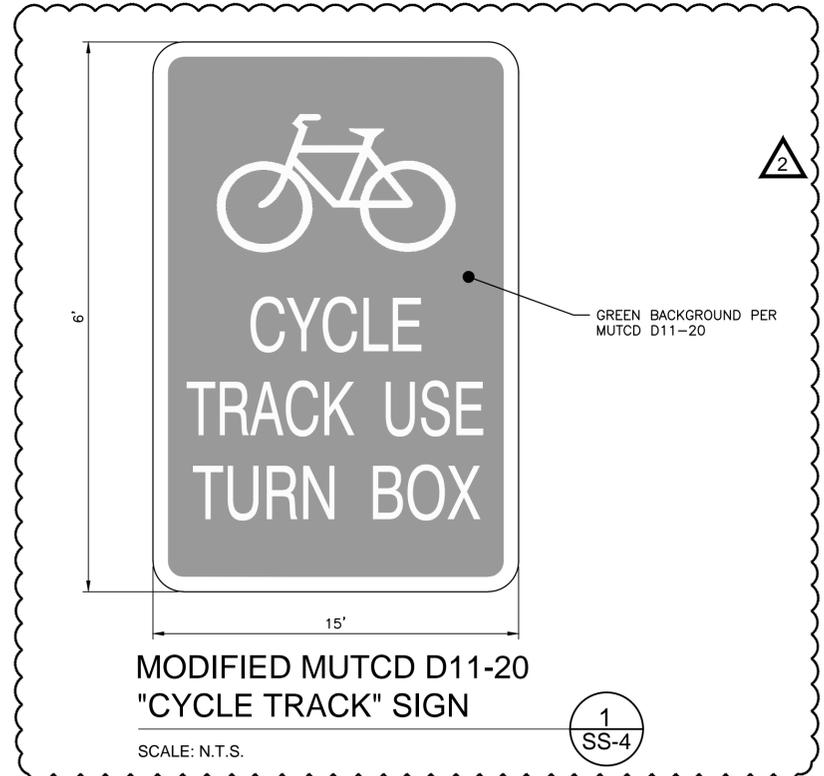
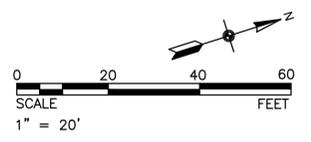
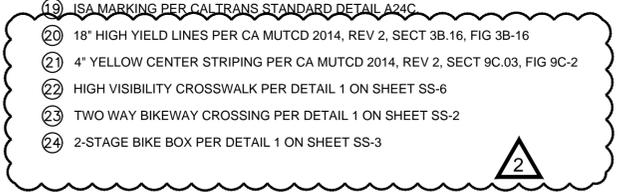
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 PLOT DATE: 02-26-16
 PLOTTED BY: jovergara



- GENERAL NOTES:**
- ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC STRIPES AND LEGENDS AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED.
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 - PAINT AND MARKERS ON MEDIAN NOSE PER DETAIL 1 ON SHEET SS-7
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 - TYPE VI ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - BICYCLE LOOP DETECTOR SYMBOL PER CALTRANS DETAIL A24C
 - PAVEMENT MARKING AS SHOWN, PER CALTRANS DETAIL A24D
 - PARKING STALL TEE PER CITY OF OAKLAND DETAIL T-7
 - TYPE VII (L) ARROW PER DETAIL ON CALTRANS STD PLAN A24A
 - REMOVE PAVEMENT MARKING
 - 6" WHITE AT 45 DEGREES AT 15' ON CENTER.
 - 6" YELLOW AT 15' ON CENTER.
 - 6" PARKING SIDE BUFFER STRIPING AT 45° EVERY 15', 2' IN WIDTH MEASURED PERPENDICULAR TO CURB LINE.
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 - 18" HIGH YIELD LINES PER CA MUTCD 2014, REV 2, SECT 3B.16, FIG 3B-16
 - 4" YELLOW CENTER STRIPING PER CA MUTCD 2014, REV 2, SECT 9C.03, FIG 9C-2
 - HIGH VISIBILITY CROSSWALK PER DETAIL 1 ON SHEET SS-6
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 - 2-STAGE BIKE BOX PER DETAIL 1 ON SHEET SS-3

- SIGNING KEY NOTES:**
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 - R32 (CA) 2 HOUR 8AM-6PM SUNDAYS AND HOLIDAYS EXCEPTED; R30A (CA) 12AM-3AM EXCEPT SATURDAYS, SUNDAYS AND HOLIDAYS.
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City of Oakland Department of Transportation 250 FRANK H. OGAWA PLAZA SUITE 4314 OAKLAND, CA 94612 PH (510) 238-3437 FAX (510) 238-7227		
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DRAWN BY	PM/ES	

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CHECKED BY	JDV	
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No.	DATE	BY	REFERENCE
1	01/16/2017	JDV	ESI#1 PROTECTED BIKE LANES
2	11/16/2017	MA, CITY	ESI#4 CYCLE TRACK

SIGNING AND STRIPING PLAN 4		PROJECT NO. C393910
SCALE: HOR: VERT: DATE: 01/16/2017	SHEET NO. SS-4 79 OF 191	