



CITY OF SANTA CRUZ  
809 Center Street  
Santa Cruz, California 95060

## TRANSPORTATION AND PUBLIC WORKS COMMISSION (TPWC)

### Regular Meeting

November 18, 2019

**7:00 P.M. GENERAL BUSINESS AND MATTERS OF PUBLIC INTEREST, COUNCIL CHAMBERS**

Commission meetings are audio recorded and will be posted to the Advisory Body webpage following the meeting.

Written material for every item listed on the agenda is available for review at the Public Works office, 809 Center Street, Room 201, and online at [www.cityofsantacruz.com](http://www.cityofsantacruz.com).

Time limits set by Commission Policy are guidelines. Unless otherwise specified, procedures for all items, are:

- Oral staff report
- Public comment - 3 minutes each; maximum total time may be established by the Presiding Officer at the beginning of an agenda item
- Commission deliberation and action

No action will be taken on items listed under Oral Communications, Announcements, Presentations, and Information Items

Appeals - Any person who believes that a final action of this advisory body has been taken in error, that decision may or may not be appealable to the City Council. Appeals must be in writing, setting forth the nature of the action and the basis upon which the action is considered to be in error, and addressed to the City Council in care of the City Clerk Administrator. Appeals must be received by the City Clerk Administrator within ten (10) calendar days following the date of the action from which such appeal is being taken. An appeal must be accompanied by a fifty dollar (\$50) filing fee.

#### Additional Information

Visit the City's Web Site at [www.cityofsantacruz.com](http://www.cityofsantacruz.com) with links including City Advisory Body Meeting Agendas and Minutes, Advisory Body Information, and the Santa Cruz Municipal Code.

A copy of the full TPWC agenda, agenda reports and attachments which are included in the meeting packet, are available for review at the Central Library on Church Street no later than three (3) days prior to the meeting date.

The City of Santa Cruz does not discriminate against persons with disabilities. Out of consideration for people with chemical sensitivities, we ask that you attend fragrance free. If you wish to attend this public meeting and will require assistance, such as an interpreter for American Sign Language, Spanish, or other special equipment, please call the Public Works Office at (831) 420-5162 or e-mail [gruble@cityofsantacruz.com](mailto:gruble@cityofsantacruz.com) at least five (5) days in advance so that arrangements for such assistance can be accommodated. The Cal-Relay system number: 1-800-735-2922.

Any writing related to an agenda item for the open session of this meeting distributed to the TPWC less than 72 hours before this meeting is available for inspection at the Public Works Department at 809 Center Street, Room 201. These writings will also be available for review at the TPWC meeting in the Council Chambers.

**Transportation and Public Works Commission (TPWC)**

**7:00 PM**

**Call to Order**

**Roll Call**

**Absent with Notification**

**Statements of Disqualification**

**Oral Communications**

**Announcements**

**Presentations**

**Approval of Minutes**

1. September 16, 2019 Transportation and Public Works Commission Draft Minutes

**Consent**

**General Business**

2. Citywide Pedestrian Crossing Improvement Project (c401801)

That the Transportation and Public Works Commission recommend that the City Council approve the HSIP Cycle 8 Pedestrian Crossing Improvement Project, and authorize staff to advertise for bids.

3. 2020 Calendar of Transportation and Public Works Commission Meetings

That the Transportation and Public Works Commission approve the 2020 Meeting Calendar as well as schedule the 2020 Open House date.

**Information Items**

4. Resilient Coast Santa Cruz Update

**Subcommittee/Advisory Body Oral Reports**

5. Updates from five existing ad-hoc subcommittees (VZ, "Routes to Downtown", ATP, CIP, "Bike/Pedestrian")

**Items Initiated by Members for Future Agendas**

**Adjournment**



## Transportation and Public Works Commission

Regular Meeting

**Draft Minutes**

7:00 p.m., Monday, September 16, 2019

City Council Chambers

809 Center Street

**Call to Order 7:00 p.m.**

**Roll Call:** Chair Philip Boutelle; Vice Chair Dolgenos; Commissioners: Erich Fiedrich, Shawn Orgel-Olson, Robert Orrizzi and Donald Roland.

**Absent with Notification:** Commissioner: Dale Hendsbee

**Statements of Disqualification:** Commissioner Friedrich on Item 1

**Oral Communications** None

**Announcements**

At 7:01 P.M. Chair Boutelle opened Announcements.

1. Scott Ruble, Principal Management Analyst for the Public Works Department confirmed that the Transportation and Public meeting on October 21, 2019 will be an Open House and notices will be sent out later this month.
2. Mark Dettle, Director of Public Works, was excited to announce that the Street Smarts Campaign is growing county wide and has received representation from the City of Monterey and Salinas.

At 7:03 P.M. Chair Boutelle closed Announcements.

**Presentations** None

**Approval of Minuets 7:03 pm**

1. August 19, 2019 Transportation and Public Works Commission Draft Minutes

MOTION: Vice Chair Dolgenos moved, seconded by Commissioner Orrizzi to approve the minutes of the August 19, 2019 Transportation and Public Works Commission Meeting.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos Commissioners: Orgel- Olson, Orrizzi and Roland

NOES: None.

ABSENT: Commissioner Hendsbee

DISQUALIFIED: Commissioner Friedrich

**Consent None**

**General Business 7:05**

2. Appeal of Parking Changes on Fair Avenue at the Intersection of Chace Street - Public Hearing (c401801)

Dan Estranero, Assistant Engineer and Nathan Nguyen, Associate Professional Engineer, gave a presentation on the parking changes on Fair Avenue and Chace Street.

At 7:19 PM Chair Boutelle opened public comment.

Margaret Nelson  
John Heaton  
Debbie Bulger  
Gina Cole  
Piet Canin

At 7:28 PM Chair Boutelle closed Public Comment

MOTION: Commissioner Friedrich moved, seconded by Vice Chair Dolgenos to approve Staff's recommendation to deny the appeal with the added amendment that Staff perform a Stop Warrant Analysis on Fair/Chance intersection and report back to the commission.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos, Commissioners: Friedrich, Orgel- Olson, Orrizzi and Roland

NOES: None.

ABSENT: Commissioner Hendsbee

DISQUALIFIED: None

3. Appeal of Parking Changes on Oxford Way at the Intersection of Bethany Curve - Public Hearing (c401801)

Dan Estranero, Assistant Engineer and Nathan Nguyen, Associate Professional Engineer, gave a presentation on the parking changes on Oxford Way and Bethany Curve.

At 7:52 PM Chair Boutelle opened public comment.

Andy Goldberg  
Piet Canin  
Debbie Bulger

At 7:57 PM Chair Boutelle closed Public Comment

MOTION: Vice Chair Dolgenos moved, seconded by Commissioner Roland to approve Staff's recommendation to deny the appeal and recommend that staff research the minimal parking removal requirements at Oxford Way and Bethany Curve.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos, Commissioners: Friedrich, Orgel-Olson, Orrizzi and Roland

NOES: None.

ABSENT: Commissioner Hendsbee

DISQUALIFIED: None

4. Appeal of Parking Changes on Plateau Avenue at the Intersection of Bethany Curve - Public Hearing (c401801)

Dan Estranero, Assistant Engineer and Nathan Nguyen, Associate Professional Engineer, gave a presentation on the parking changes on Plateau Avenue and Bethany Curve.

At 8:09 PM Chair Boutelle opened public comment.

Matt Cohen  
Piet Canin  
Gina Cole  
Debbie Bulger

At 8:15 PM Chair Boutelle closed Public Comment

MOTION: Commissioner Friedrich moved, seconded by Commissioner Roland

to approve Staff's recommendation to deny the appeal.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos, Commissioners: Friedrich, Orgel-Olson, Orrizzi and Roland

NOES: None.

ABSENT: Commissioner Hendsbee

DISQUALIFIED: None

5. Recap of City Council Action and Direction on Vision Zero and Potential Formation of Transportation and Public Works Subcommittee on Vision Zero

Chair Boutelle gave a brief recap on the City Councils direction on Vision Zero and recommended that the commission create an Ad-Hoc Subcommittee that reports back in January 2020.

At 8:30 PM Chair Boutelle opened public comment.

Debbie Bulger

At 8:32 PM Chair Boutelle closed Public Comment

MOTION: Commissioner Friedrich moved, seconded by Vice Chair Dolgenos to establish an Ad-Hoc Subcommittee to develop a work plan and implementation plan for Vision Zero, with direction that the Ad-Hoc Subcommittee report back to the commission in January 2020 before starting work with staff and direct the Chair to write a letter to the County and the City of Watsonville requesting any technical assistance. This Ad-Hoc Subcommittee will consist of Chair Boutelle and Commissioner Orrizzi.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos, Commissioners: Friedrich, Orgel-Olson, Orrizzi and Roland

NOES: None.

ABSENT: Commissioner Hendsbee

DISQUALIFIED: None

**Informational Items 7:07 pm**

6. Update on Murray Street Bridge project.

Joshua Spangrud, Senior Professional Engineer gave an update on the Murray Street Bridge Project.

7. Update on Ocean & Water Intersection NW Corner project

Joshua Spangrud, Senior Professional Engineer gave an update on the Ocean Street and Water Street Intersection NW Corner project.

8. Update on Ad-Hoc Committees on Annual Work Plan

Vice Chair Dolgenos gave an update on the Safe Routes to Down Town Subcommittee Work Plan.

**Subcommittee/Advisory Body Oral Reports None**

**Items Initiated by Members for Future Agendas**

Commissioner Orrizzi asked the commission to change the start time of the Transportation and Public Works Meeting from 7:00 PM to 6:00 PM and update the Bylaws to reflect the change.

Chair Boutelle asked the commission to send any ideas/comments to Scott Ruble regarding the upcoming Transportation and Public Works Open House on October 21, 2019 by next week.

MOTION: Commissioner Orgel-Olson moved, seconded by Commissioner Friedrich to adjourn from the 9/16/19 meeting.

ACTION: The motion carried unanimously with the following vote:

AYES: Chair Boutelle, Vice Chair Dolgenos, Commissioners: Friedrich, Orgel-Olson Orrizzi and Roland.

NOES: None.

ABSENT: Commissioner Hendsbee

**Adjournment 9:29 P.M.**





Transportation and Public Works  
Commission  
AGENDA REPORT

**DATE:** 11/8/2019

**AGENDA OF:** 11/18/2019

**SUBJECT:** Citywide Pedestrian Crossing Improvement Project (c401801)

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**RECOMMENDATION:** That the Transportation and Public Works Commission recommend that the City Council approve the HSIP Cycle 8 Pedestrian Crossing Improvement Project, and authorize staff to advertise for bids.

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**BACKGROUND:** The Highway Safety Improvement Program (HSIP) is a core federal-aid grant program to States for the purpose of achieving a significant reduction in fatalities and serious injuries on all public roads. HSIP is administered by California Department of Transportation (Caltrans) and focuses on infrastructure projects with proven safety countermeasures and nationally recognized crash reduction factors (CRFs).

The selection of the Pedestrian Crossing Improvement Project is based upon recommendations from the Santa Cruz City Schools Complete Streets Master Plan (SCCSCSMP) and the City Active Transportation Plan.

On August 09, 2016, council motion carried to authorize and direct the City Manager to apply for, accept, and appropriate funds from the HSIP Cycle 8 for the Citywide Pedestrian Crossing Improvement Project and on March 10, 2017, the City of Santa Cruz was awarded the HSIP Cycle 8 grant in the amount of \$968,200 for design, inspection, and construction.

On September 16, 2019, the Transportation and Public Works Commission unanimously denied the Fair Avenue parking change appeal and requested staff to perform a stop sign warrant analysis on Fair Avenue/Chace Street and for it to be brought back to the Commission.

**DISCUSSION:** Stop sign installation is warranted based on the guidelines of the California Manual on Uniform Traffic Control Devices (CA MUTCD). The warrant is determined using a point system based on the following criteria: traffic collision history, traffic volumes, differences in volume between intersecting streets, pedestrian volume, and any unusual conditions, such as proximity to a school or playground, steep hill, or limited visibility.

Staff evaluated the intersection of Fair Avenue/Chace Street to see if an all-way stop is warranted, see attached. Currently Chace Street stops for Fair Avenue traffic. Based on field analysis for unusual conditions, recent vehicle and pedestrian volume counts, and traffic collision data gathered through the Transportation Injury Mapping System (TIMS) and the Santa Cruz Police Department collision database, an all-way stop is not warranted at this intersection. Per

the warrant the intersection only scored 6 points out of 50; a minimum of 15 points is required to warrant an all-way stop.

The HSIP Cycle 8 Pedestrian Crossing Improvement project will improve twenty one (21) pedestrian crossings citywide. All crossing improvements are designed to meet the CA MUTCD, National Association of City Transportation Officials (NACTO) Urban Street Design Guide, and Caltrans Highway Design Manual (HDM). Each crossing will include one or more of the following safety countermeasures: high visibility crosswalk, improved sight distances, pedestrian crossing warning signs, pedestrian activated rapid flashing beacons (RFBs), overhead streetlight, bulb-out/park lane island, median refuge, and ADA compliant curb ramps.

Project staff will work with adjacent property owners on details of the construction plans and specifications in order to minimize construction impacts. Staff anticipates Council approval in Winter 2020 and construction Spring 2020.

**Additional Policy Support:**

Implementation of crossing improvements from the HSIP project is supported by policy from the General Plan Circulation Element and the Climate Action Plan, specifically the transportation objective to meet an 80% reduction in greenhouse gas emissions by 2050, reduce around town automobile trips by 10% by 2020 and achieve 12% bike ridership by 2020.

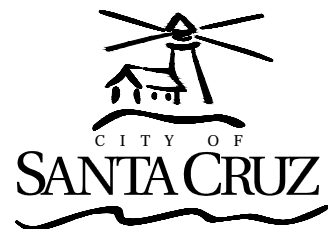
**FISCAL IMPACT:** The project is funded in the FY20 Capital Improvement Program (c401801) budget and is fully reimbursable by the HSIP Cycle 8 grant. There is no impact to the General Fund.

Prepared by:  
Dan Estranero  
Assistant Engineer

Submitted by:  
Mark R. Dettle

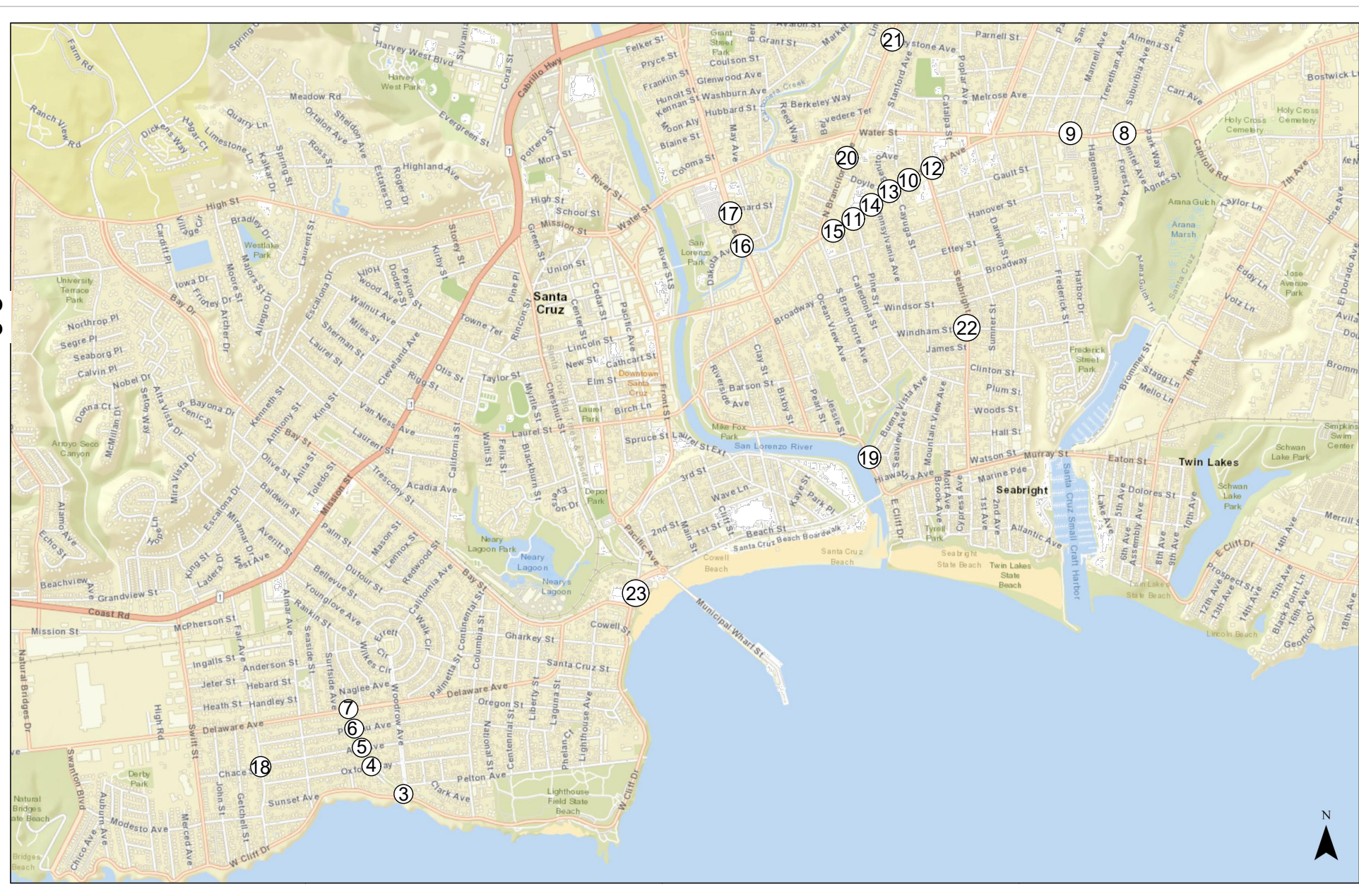
**ATTACHMENTS:**

Concept Plans  
Stop Warrant Analysis



PUBLIC WORKS DEPARTMENT  
**HSIP 8: CITYWIDE PEDESTRIAN CROSSING IMPROVEMENT PROJECT**  
 CITY PROJECT NO. C401801, FILE NO. 770-40.80  
 FEDERAL PROJECT NO. HSIPL-5025(068)

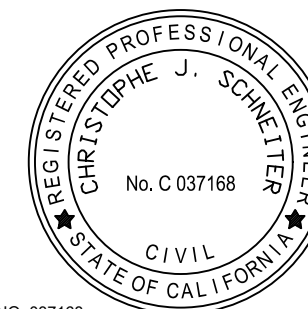
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**SHEET INDEX**

- 1 TITLE SHEET
- 2 CONSTRUCTION NOTES
- 3 WEST CLIFF DRIVE & WOODROW STREET
- 4 BETHANY CURVE & OXFORD WAY
- 5 BETHANY CURVE & ALTA AVENUE
- 6 BETHANY CURVE & PLATEAU AVENUE
- 7 BETHANY CURVE & DELAWARE AVENUE
- 8 SOQUEL AVENUE & MENDEL AVENUE
- 9 SOQUEL AVENUE & MARNELL AVENUE
- 10 SOQUEL AVENUE & CAYUGA STREET
- 11 SOQUEL AVENUE & PINE STREET
- 12A SOQUEL AVENUE & SEABRIGHT AVENUE (WEST)
- 12B SOQUEL AVENUE & SEABRIGHT AVENUE (EAST)
- 13 SOQUEL AVENUE & DOYLE STREET
- 14 SOQUEL AVENUE & PENNSYLVANIA AVENUE
- 15 SOQUEL AVENUE & CALEDONIA STREET
- 16 OCEAN STREET & DAKOTA AVENUE
- 17 OCEAN STREET & LEONARD STREET
- 18 FAIR AVENUE, CHACE STREET & ALTA AVENUE
- 19A E CLIFF DRIVE & SAN LORENZO RIVER PATHWAY
- 19B E CLIFF AND HIWATHA AVENUE
- 20 N. BRANCIFORTE AVENUE & SUNNYSIDE AVENUE
- 21 N. BRANCIFORTE AVENUE & KEYSTONE AVENUE
- 22 SEABRIGHT AVENUE & WINDHAM STREET
- 23 BAY STREET & WEST CLIFF DRIVE
- 24 DETAIL 1
- 25 DETAIL 2
- 26 DETAIL 3
- 27 DETAIL 4

APPROVED BY:



R.C.E. NO. 037168  
 ASSISTANT DIRECTOR / CITY ENGINEER  
 CITY OF SANTA CRUZ

REFERENCES	DATE	11/4/2019	SCALE	AS SHOWN
FIELD BOOK: #	DRAWN	D.E.	SHEET	1 OF 27
DRAWING #: #	DESIGN	D.E.	VAULT NO.	9170
	CHECKED	N.N.		

## PRECONSTRUCTION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE INTENT OF THESE PLANS AND S/HE SHALL REPORT ANY DISCREPANCIES FOUND IN THEM TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. UNDERGROUND UTILITY LOCATIONS AND DEPTHS, WHERE SHOWN ON THE PLANS, ARE BASED ON UTILITY COMPANY RECORDS AND ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LOCATIONS AND DEPTHS FOR ALL EXISTING UTILITIES IN THE FIELD.
3. THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE AT THE TIME THIS CONTRACT IS AWARDED. THE CONTRACTOR SHALL HAVE A CITY BUSINESS LICENSE PRIOR TO COMMENCING THE WORK.
4. CITY INSPECTOR SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF ANY CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT THE ENGINEER IF PRIVATE IMPROVEMENTS CONTINUE TO BE IN THE CITY RIGHT-OF-WAY PRIOR TO ANY DEMOLITION, CLEARING, AND GRUBBING. UPON DIRECTION OF THE ENGINEER, THE CONTRACTOR SHALL CAREFULLY REMOVE PRIVATE IMPROVEMENTS IN THE CONSTRUCTION AREA AND CAP ANY EXISTING IRRIGATION, ELECTRICAL, AND/OR DRAINAGE AT THE BACK OF NEW WALK.




























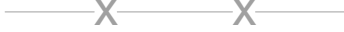

















## RAMP NOTES:

1. PRESERVE AND PROTECT EXISTING UTILITIES (I.E. - MANHOLES, METERS, FIRE HYDRANTS, ETC.)
2. ALL CONCRETE SHALL BE SIX SACK, CLASS "A" CONCRETE.
3. CURB, GUTTER, SIDEWALK AND SPANDREL/VALLEY GUTTER SHALL BE A MONOLITHIC POUR WHEREVER POSSIBLE.
4. THE RAMP SHALL HAVE A ROUGH TRANSVERSE BROOMED TEXTURE.
5. NATIVE SUBBASE SHALL BE COMPACTED TO 95%. IF MATERIAL IS SILT OR CLAY IT SHALL BE "FIRM" ACCORDING TO ASTM D1556. OTHERWISE EXCAVATE TO 12" BELOW FINISH GRADE AND REPLACE WITH CLASS II AGGREGATE BASE AND COMPACT.
6. THE CURB AND GUTTER ADJACENT TO THE RAMP LANDING SHALL BE MODIFIED SO THAT THE CROSS SLOPE OF THE GUTTER DOES NOT EXCEED 5%.
7. ANY NEW PCC CURB, GUTTER, AND SIDEWALK NEXT TO THE EXISTING PCC, SHALL BE DOWELED INTO EXISTING PCC EVERY 24" ON CENTER. USE 18" LONG #4 DOWELS.
8. SEE "STANDARD CURB, GUTTER & SIDEWALK" ON DETAILS SHEET FOR TYPICAL SECTION VIEW AND FURTHER REQUIREMENTS.
9. SPANDRELS SHALL BE REINFORCED WITH #4 BARS AT 18" O.C. BOTH WAYS OR WELDED WIRE MESH 4"X4" W4XW4, AND SHALL HAVE A MINIMUM OF 2" OF COVER. SEE SPANDREL/VALLEY GUTTER DETAIL FOR FURTHER REQUIREMENTS.
10. ALL NEW AC SHALL BE INSTALLED PER AC CONFORM ON CURB, GUTTER, AND SIDEWALK DETAILS.

## PHONE NUMBERS:

*AREA CODE IS 831 UNLESS OTHERWISE NOTED	PARK & REC. DEPARTMENT..... 420-5270
POLICE DEPARTMENT..... 420-5800 (ADMINISTRATION) 471-1130 (DISPATCH) 911 (EMERGENCY)	PG&E..... 476-9393 PACIFIC BELL..... 611-CITY
FIRE DEPARTMENT..... 420-5280 (ADMINISTRATION) 471-1170 (ADMINISTRATION) 911 (EMERGENCY)	U.S.A..... (800) 227-2600 CABLE T.V..... 425-1739.
PUBLIC WORKS DEPARTMENT..... 420-5160	
WATER DEPARTMENT..... 420-5210	

## LEGEND:

	(E) CATCH BASIN		(E) SIGN AND POLE
	(E) SIGN AND POLE		(N) TRAFFIC PULL BOX
	(E) STREETLIGHT MAST ARM		(N) ELECTRICAL PULL BOX
	(E) STREETLIGHT/ TRAFFIC SIGNAL POLE WITH SIGN		(N) STORM WATER SURFACE FLOW
	(E) TRAFFIC SIGNAL HEAD		(N) CONCRETE
	(E) UTILITY POLE		(N) RED CURB
	(E) WATER VALVE		(N) DETECTABLE WARNING SURFACE
	(E) TRAFFIC PULL BOX		(N) A.C. CONFORM
	(E) INTERCONNECT PULL BOX		(N) RETAINING CURB
	(E) ELECTRICAL PULL BOX		(N) DECOMPOSED GRANITE
	(E) STORM DRAIN MANHOLE		(N) STAMPED CONCRETE
	(E) SEWER MANHOLE		
	(E) SEWER CLEANOUT		
	(E) WATER MANHOLE		(E) PARCEL LINE
	(E) TREE		(E) FENCE LINE
	(E) 20-40 FT PALM		(E) ELECTRICAL LINE
	(E) FIRE HYDRANT		(E) SANITARY SEWER LINE
	(E) STORM WATER SURFACE FLOW		(E) STORM DRAIN LINE
	(E) CABINET: ELECTRICAL, FIBER, ETC.		(E) WATER LINE
	(E) GAS		(E) TRAFFIC SIGNAL INTERCONNECT
	(E) WATER METER		(N) TRAFFIC SIGNAL INTERCONNECT
	(E) WATER BACKFLOW DEVICE		(N) ELECTRICAL LINE
	(E) LANDSCAPE		
	(E) RED CURB		
	(E) DETECTABLE WARNING SURFACE		

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REVISIONS	

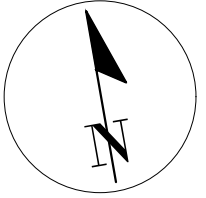
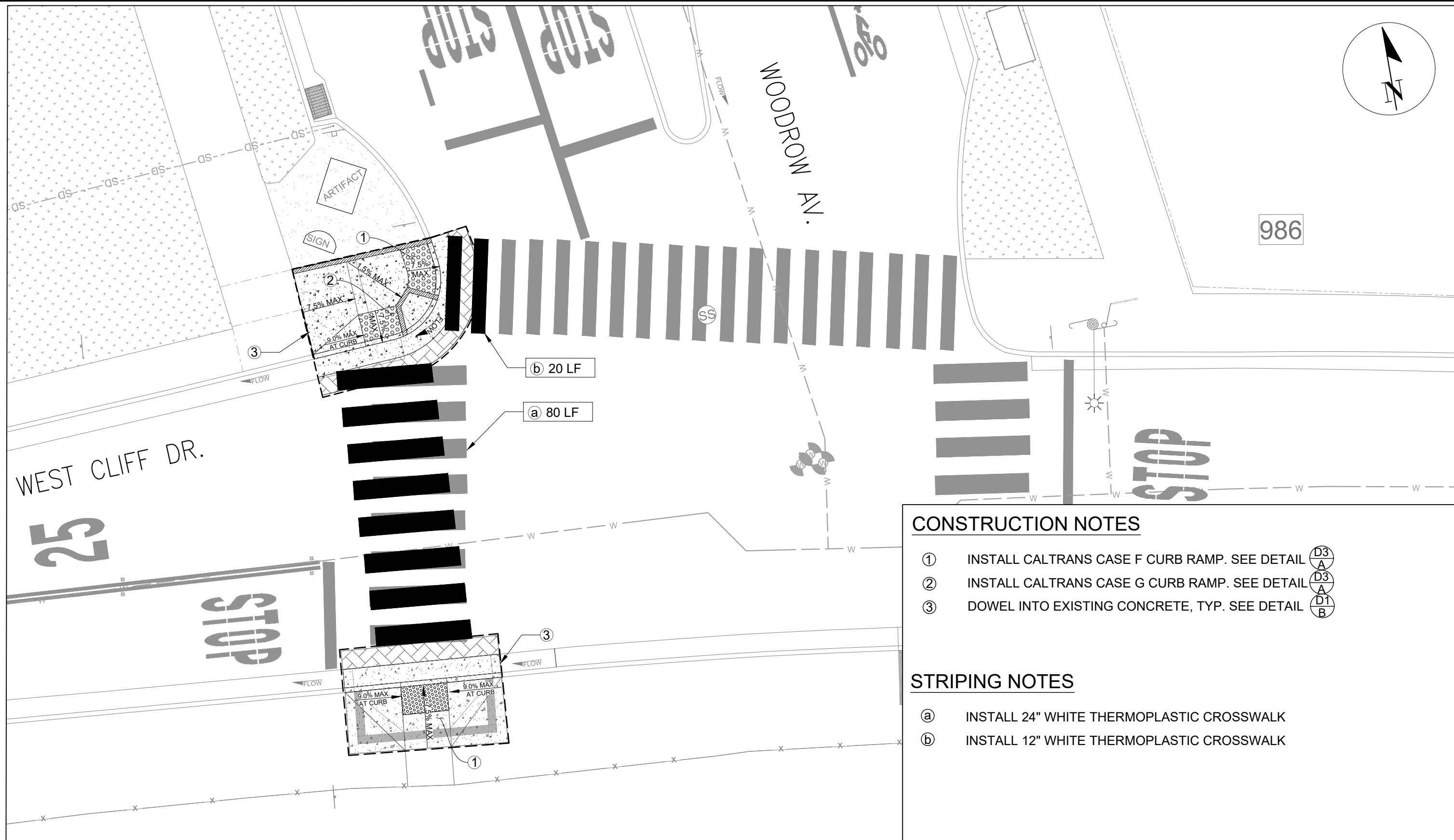


CITY OF  
**SANTA CRUZ**  
PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
CONSTRUCTION NOTES

REFERENCES	DATE 11/4/2019	SCALE AS SHOWN
FIELD BOOK: #	DRAWN D.E.	SHEET 2 OF 27
DRAWING #: #	DESIGN D.E.	VAULT NO. <b>9170</b>
	CHECKED N.N.	

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986

**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL D3  
A
- ② INSTALL CALTRANS CASE G CURB RAMP. SEE DETAIL D3  
A
- ③ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL D1  
B

**STRIPING NOTES**

- Ⓐ INSTALL 24" WHITE THERMOPLASTIC CROSSWALK
- Ⓑ INSTALL 12" WHITE THERMOPLASTIC CROSSWALK

REVISIONS	



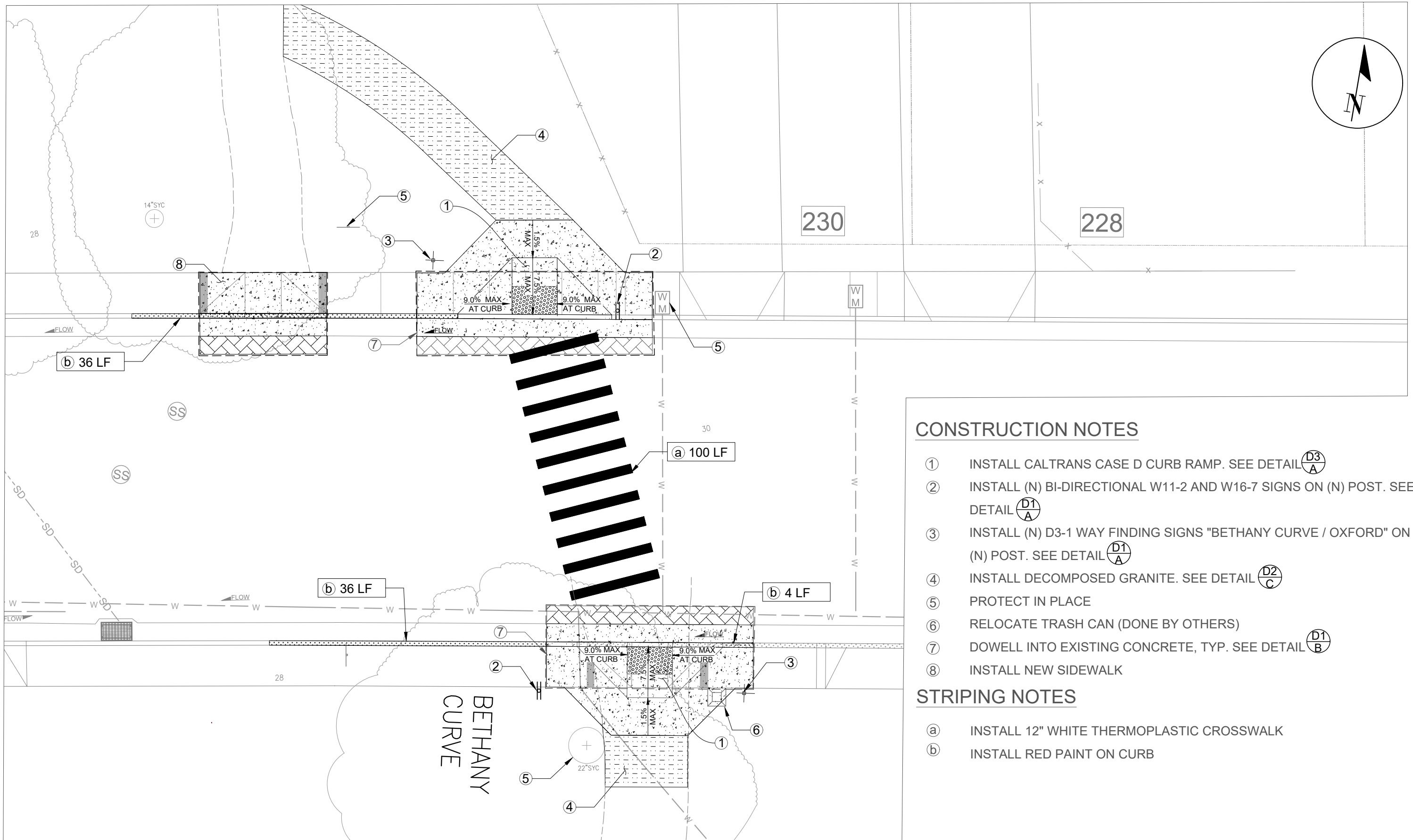
CITY OF  
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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
WEST CLIFF DRIVE AND WOODROW AVENUE

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019
DRAWN	D.E.
DESIGN	D.E.
CHECKED	N.N.

SCALE	1"=10'
SHEET	3 OF 27
VAULT NO.	9170



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE D CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) BI-DIRECTIONAL W11-2 AND W16-7 SIGNS ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ③ INSTALL (N) D3-1 WAY FINDING SIGNS "BETHANY CURVE / OXFORD" ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ④ INSTALL DECOMPOSED GRANITE. SEE DETAIL  $\frac{D2}{C}$
- ⑤ PROTECT IN PLACE
- ⑥ RELOCATE TRASH CAN (DONE BY OTHERS)
- ⑦ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑧ INSTALL NEW SIDEWALK

**STRIPING NOTES**

- a INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- b INSTALL RED PAINT ON CURB

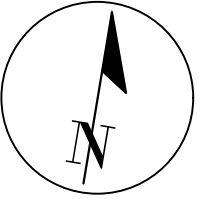
REVISIONS	



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**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
BETHANY CURVE & OXFORD WAY

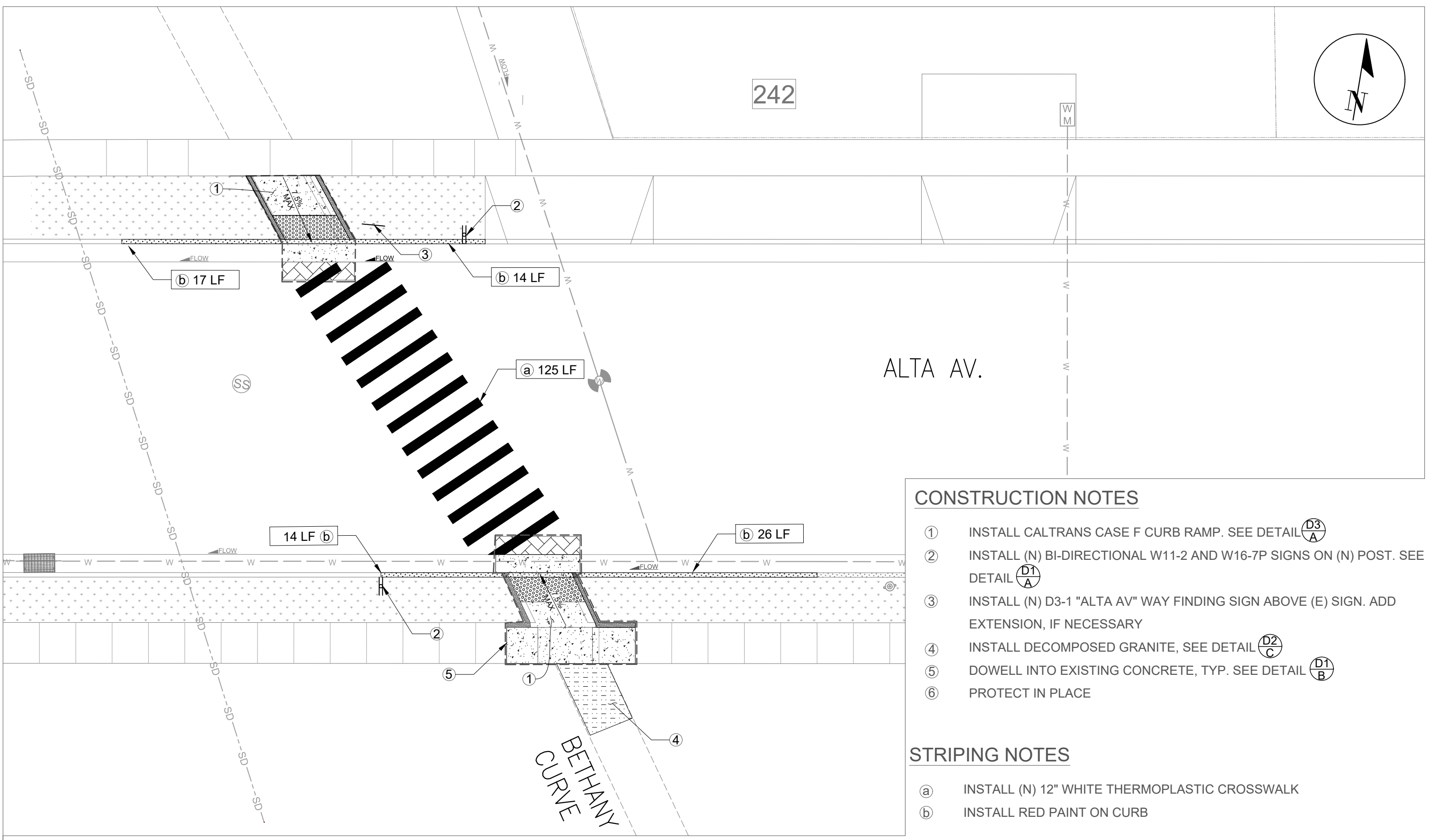
REFERENCES FIELD BOOK: # DRAWING #: #	DATE	11/4/2019	SCALE	1" = 10'
	DRAWN	D.E.	SHEET	4 OF 27
	DESIGN	D.E.	VAULT NO.	
	CHECKED	N.N.		<b>9170</b>



242

ALTA AV.

2.7



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) BI-DIRECTIONAL W11-2 AND W16-7P SIGNS ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ③ INSTALL (N) D3-1 "ALTA AV" WAY FINDING SIGN ABOVE (E) SIGN. ADD EXTENSION, IF NECESSARY
- ④ INSTALL DECOMPOSED GRANITE, SEE DETAIL  $\frac{D2}{C}$
- ⑤ DOWELL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑥ PROTECT IN PLACE

**STRIPING NOTES**

- (a) INSTALL (N) 12" WHITE THERMOPLASTIC CROSSWALK
- (b) INSTALL RED PAINT ON CURB

REVISIONS	



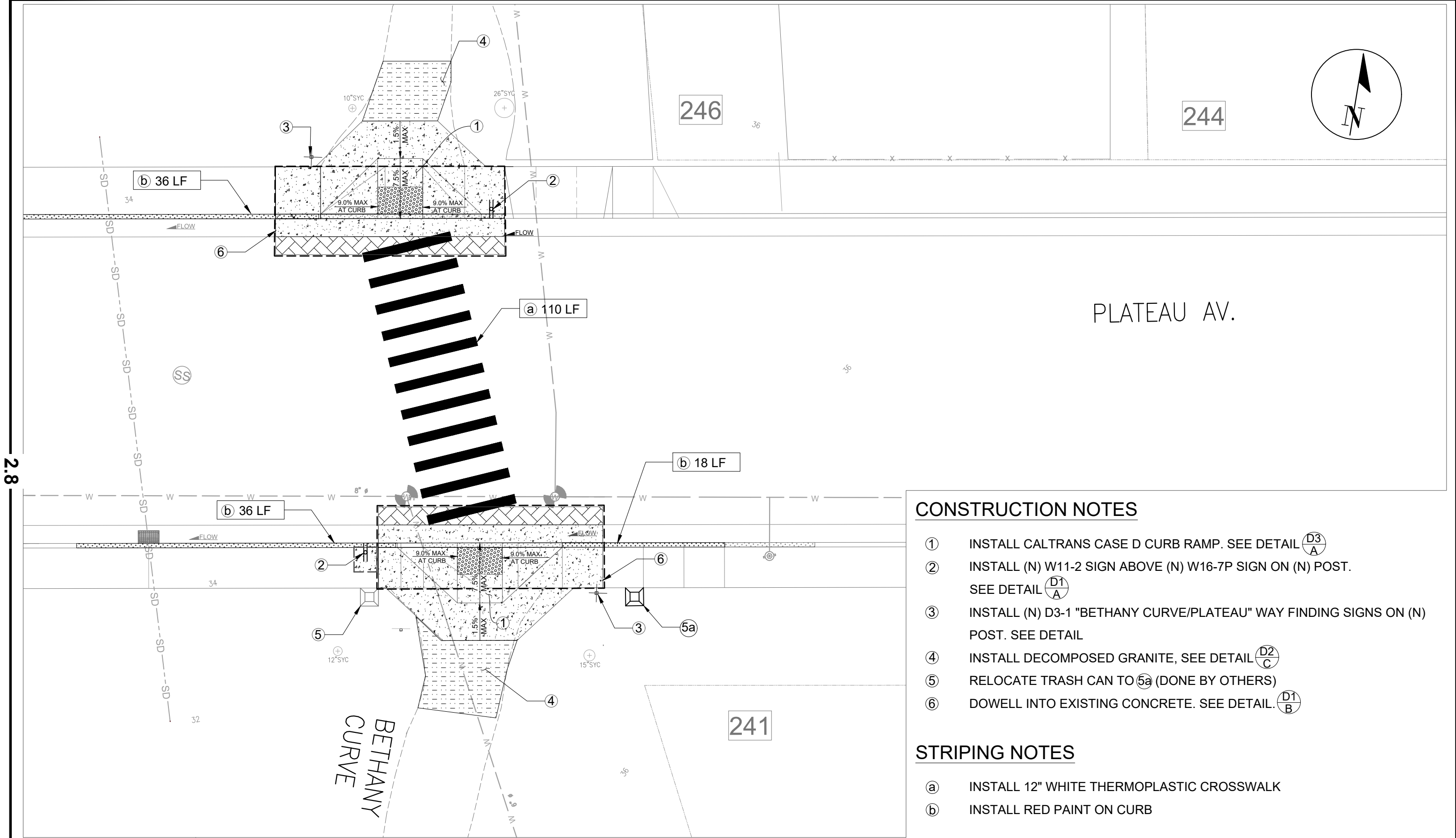
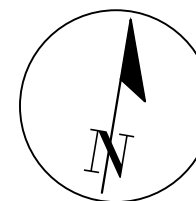
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Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
BETHANY CURVE & ALTA AVENUE

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019
DRAWN	D.E.
DESIGN	D.E.
CHECKED	N.N.

SCALE	1"=10'
SHEET	5 OF 27
VAULT NO.	9170



2.8

**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE D CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) W11-2 SIGN ABOVE (N) W16-7P SIGN ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ③ INSTALL (N) D3-1 "BETHANY CURVE/PLATEAU" WAY FINDING SIGNS ON (N) POST. SEE DETAIL
- ④ INSTALL DECOMPOSED GRANITE, SEE DETAIL  $\frac{D2}{C}$
- ⑤ RELOCATE TRASH CAN TO 5a (DONE BY OTHERS)
- ⑥ DOWELL INTO EXISTING CONCRETE. SEE DETAIL  $\frac{D1}{B}$

**STRIPING NOTES**

- a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- b) INSTALL RED PAINT ON CURB

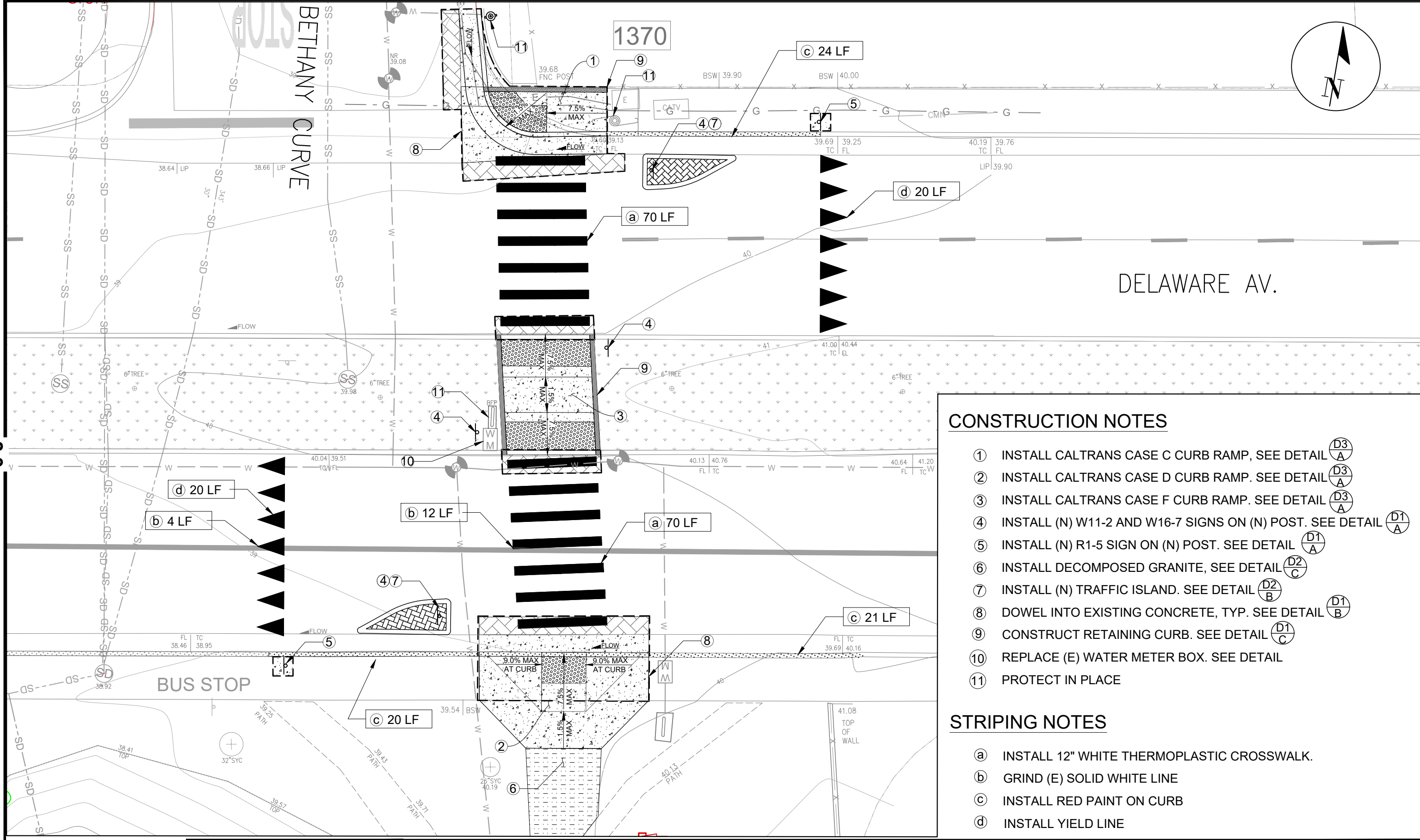
REVISIONS	


  
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**HSIP 8: CITYWIDE PEDESTRIAN CROSSING IMPROVEMENT PROJECT**  
 BETHANY CURVE & PLATEAU AVENUE

REFERENCES	DATE	11/4/2019	SCALE	1"=10'
FIELD BOOK: #	DRAWN	D.E.	SHEET	6 OF 27
DRAWING #: #	DESIGN	D.E.	VAULT NO.	9170
	CHECKED	N.N.		





2.9

**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP, SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL CALTRANS CASE D CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ③ INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ④ INSTALL (N) W11-2 AND W16-7 SIGNS ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ⑤ INSTALL (N) R1-5 SIGN ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ⑥ INSTALL DECOMPOSED GRANITE, SEE DETAIL  $\frac{D2}{C}$
- ⑦ INSTALL (N) TRAFFIC ISLAND. SEE DETAIL  $\frac{D2}{B}$
- ⑧ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑨ CONSTRUCT RETAINING CURB. SEE DETAIL  $\frac{D1}{C}$
- ⑩ REPLACE (E) WATER METER BOX. SEE DETAIL
- ⑪ PROTECT IN PLACE

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- (b) GRIND (E) SOLID WHITE LINE
- (c) INSTALL RED PAINT ON CURB
- (d) INSTALL YIELD LINE

REVISIONS	

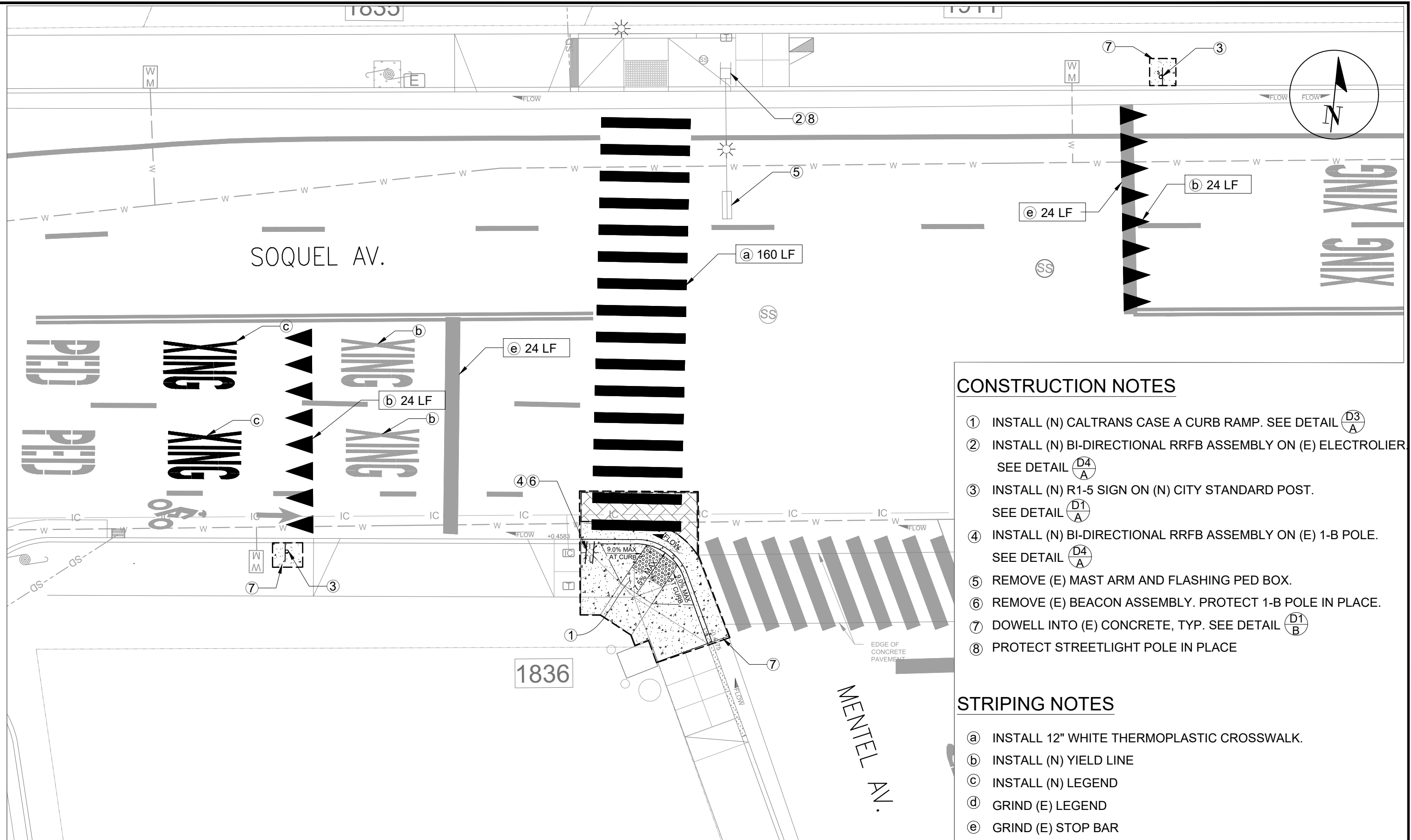


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**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
BETHANY CURVE & DELAWARE AVENUE

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019	SCALE	1"=10'
DRAWN	D.E.	SHEET	7 OF 27
DESIGN	D.E.	VAULT NO.	9170
CHECKED	N.N.		



**CONSTRUCTION NOTES**

- ① INSTALL (N) CALTRANS CASE A CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) ELECTROLIER. SEE DETAIL  $\frac{D4}{A}$
- ③ INSTALL (N) R1-5 SIGN ON (N) CITY STANDARD POST. SEE DETAIL  $\frac{D1}{A}$
- ④ INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) 1-B POLE. SEE DETAIL  $\frac{D4}{A}$
- ⑤ REMOVE (E) MAST ARM AND FLASHING PED BOX.
- ⑥ REMOVE (E) BEACON ASSEMBLY. PROTECT 1-B POLE IN PLACE.
- ⑦ DOWELL INTO (E) CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑧ PROTECT STREETLIGHT POLE IN PLACE

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- (b) INSTALL (N) YIELD LINE
- (c) INSTALL (N) LEGEND
- (d) GRIND (E) LEGEND
- (e) GRIND (E) STOP BAR

REVISIONS	

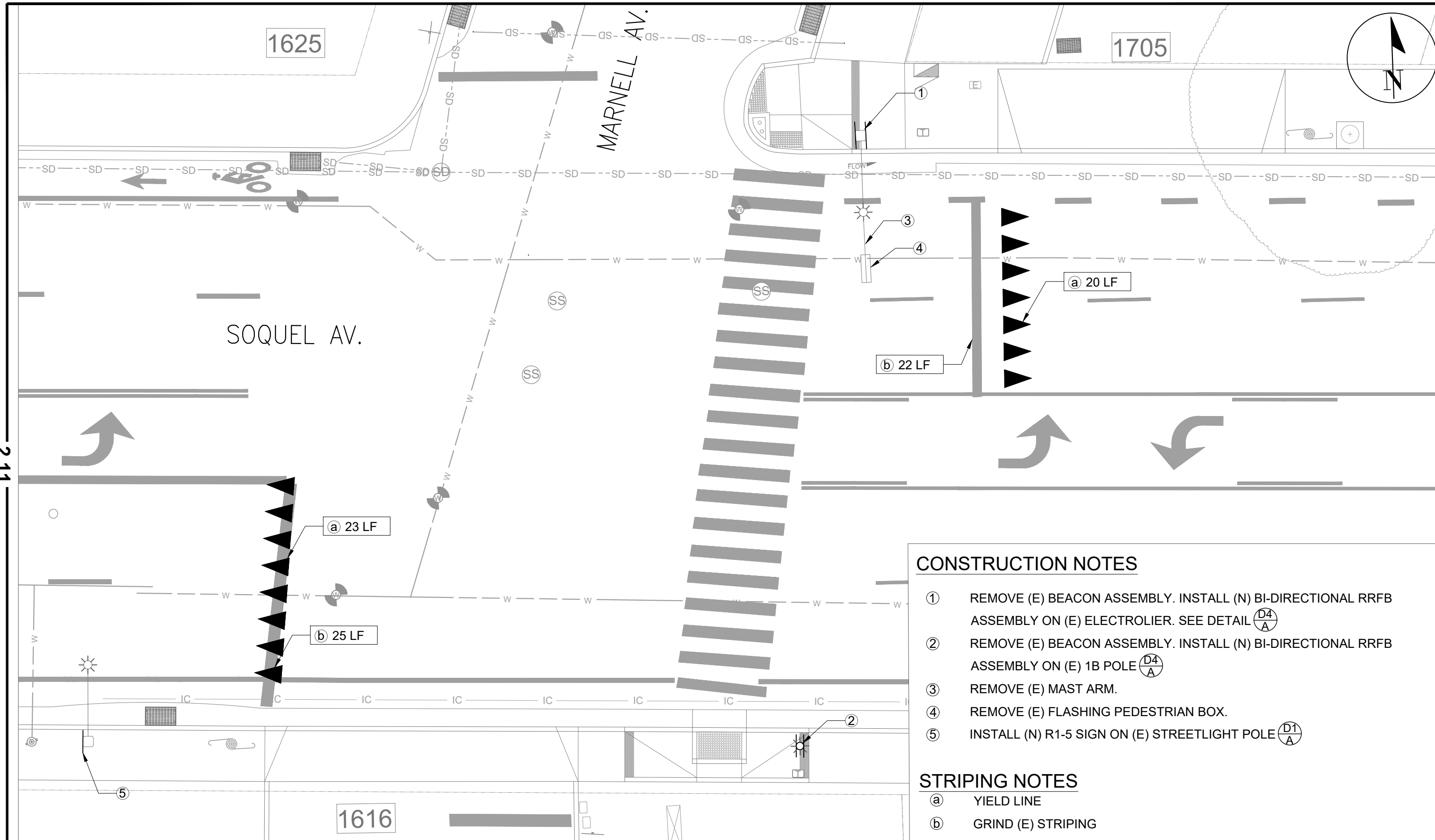


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**HSIP 8: CITYWIDE PEDESTRIAN  
 CROSSING IMPROVEMENT PROJECT**  
 SOQUEL AVENUE AND MENTEL AVENUE

REFERENCES  
 FIELD BOOK:  
 #  
 DRAWING #:  
 #

DATE	11/4/2019	SCALE	1"=10'
DRAWN	D.E.	SHEET	8 OF 27
DESIGN	D.E.	VAULT NO.	9170
CHECKED	N.N.		



2.11

**CONSTRUCTION NOTES**

- ① REMOVE (E) BEACON ASSEMBLY. INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) ELECTROLIER. SEE DETAIL (D4/A)
- ② REMOVE (E) BEACON ASSEMBLY. INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) 1B POLE (D4/A)
- ③ REMOVE (E) MAST ARM.
- ④ REMOVE (E) FLASHING PEDESTRIAN BOX.
- ⑤ INSTALL (N) R1-5 SIGN ON (E) STREETLIGHT POLE (D1/A)

**STRIPING NOTES**

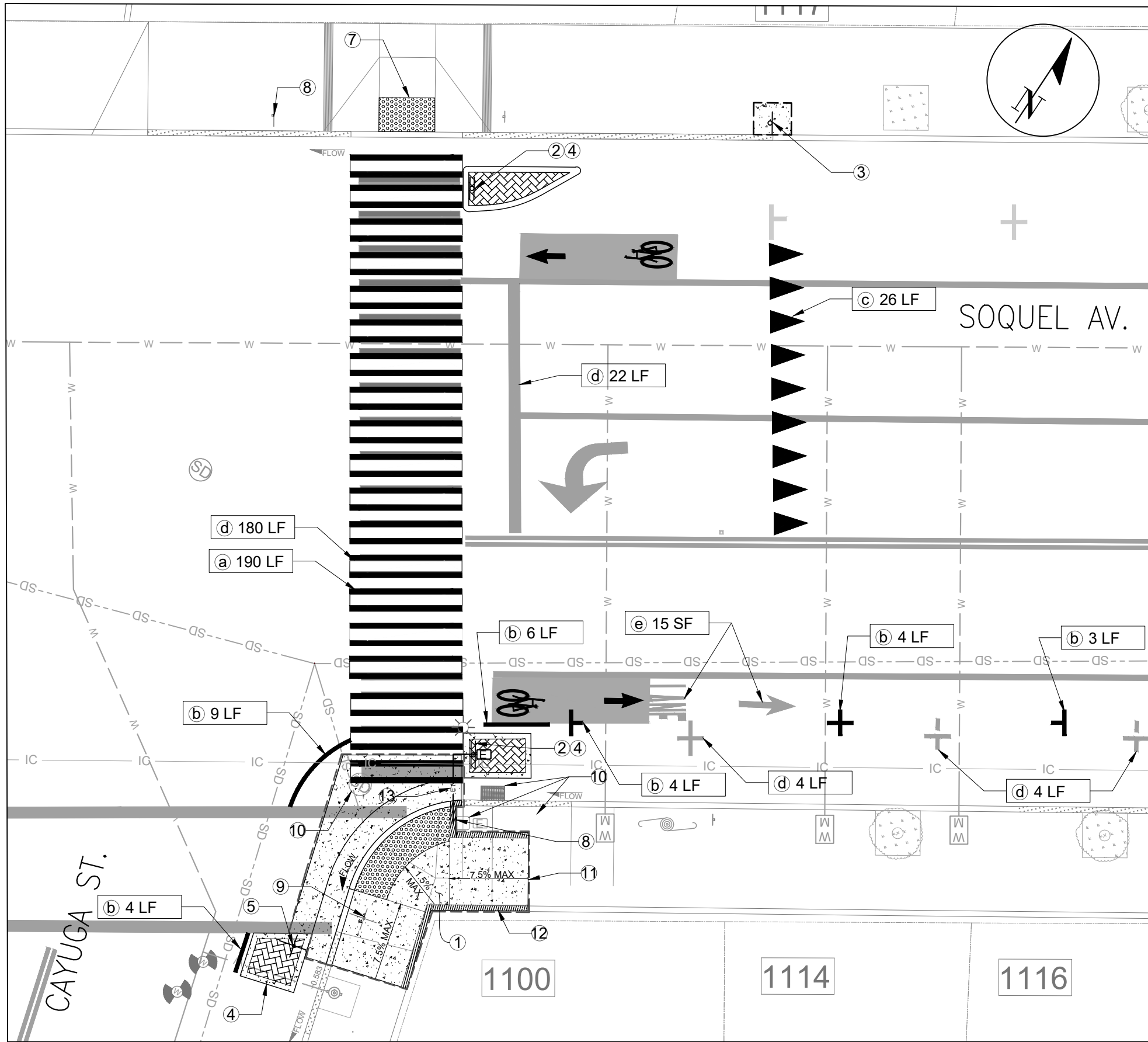
- (a) YIELD LINE
- (b) GRIND (E) STRIPING

REVISIONS	


  
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**HSIP 8: CITYWIDE PEDESTRIAN CROSSING IMPROVEMENT PROJECT**  
 SOQUEL AVENUE & MARNELL AVENUE

REFERENCES FIELD BOOK: # DRAWING #: #	DATE	11/4/2019	SCALE	1"=10'
	DRAWN	D.E.	SHEET	9 OF 27
	DESIGN	D.E.	VAULT NO.	
	CHECKED	N.N.		<b>9170</b>



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP. SEE DETAIL (D3/A)
- ② INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (N) 1B POLE. SEE DETAIL. (D4/A)
- ③ INSTALL (N) R1-5 SIGN ON (N) CITY STANDARD POST. SEE DETAIL (D1/A)
- ④ INSTALL (N) TRAFFIC ISLAND. SEE DETAIL (D2/B)
- ⑤ INSTALL (N) CITY STANDARD POST. SEE DETAIL (D1/A)
- ⑥ INSTALL PED PUSH BUTTON ON (E) STREETLIGHT
- ⑦ INSTALL BOLT ON TRUNCATED DOME
- ⑧ REMOVE (E) W11-2 SIGN AND INSTALL PEDESTRIAN PUSH BUTTON ON (E) STREETLIGHT POLE.
- ⑨ REMOVE (E) POST. RELOCATE (E) SIGNS TO ⑤
- ⑩ PROTECT IN PLACE
- ⑪ DOWELL INTO (E) CONCRETE, TYP. SEE DETAIL (D1/B)
- ⑫ INSTALL RETAINING CURB, SEE DETAIL (D1/C)
- ⑬ INSTALL RRFB CONDUIT AND CONDUCTORS

**STRIPING NOTES**

- Ⓐ INSTALL 12" WHITE THERMOPLASTIC CROSSWALK WITH BLACK BACKING
- Ⓑ INSTALL 4" WHITE THERMOPLASTIC STRIPING
- Ⓒ YIELD LINE
- Ⓓ GRIND (E) STRIPING
- Ⓔ GRIND (E) LEGEND

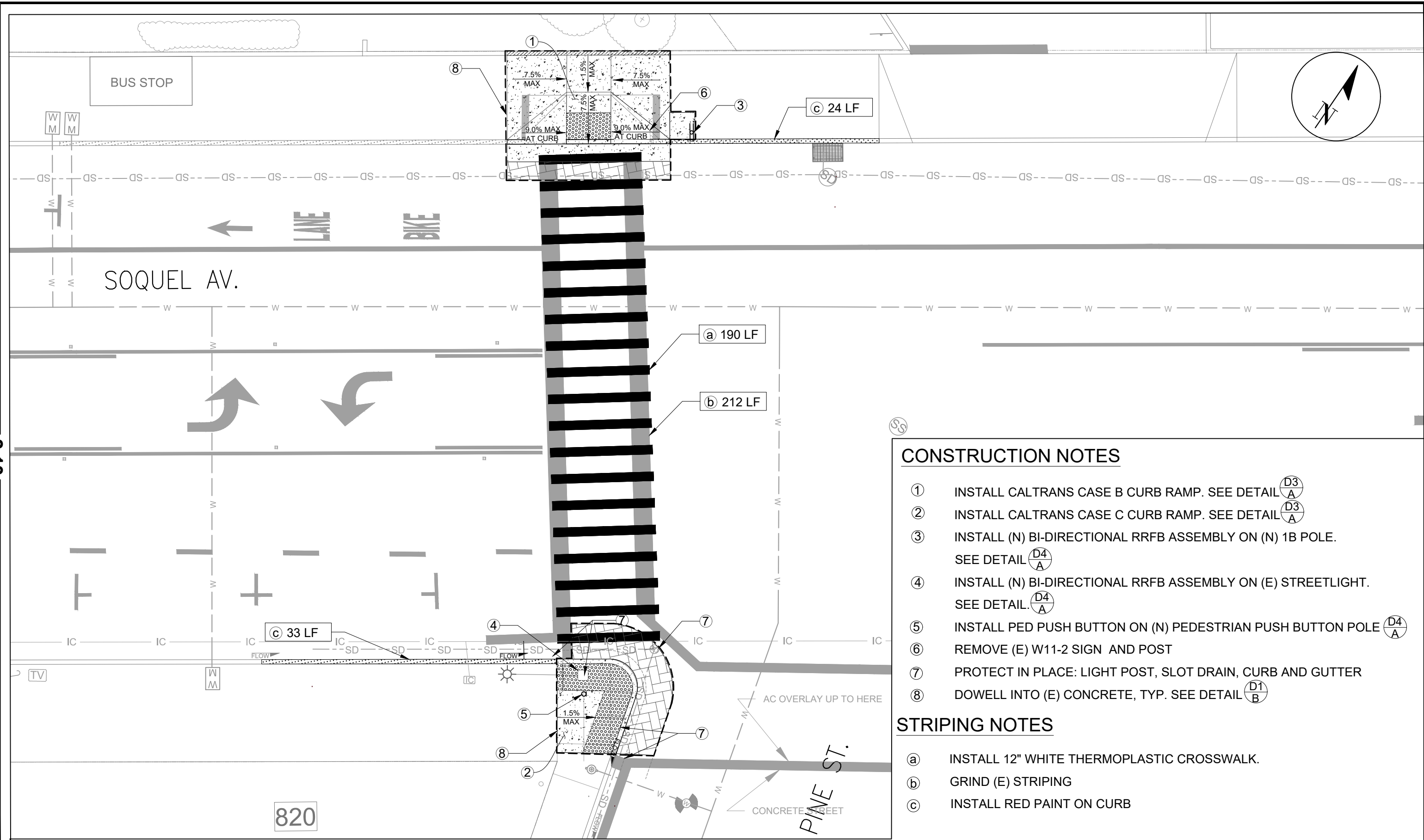
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**HSIP 8: CITYWIDE PEDESTRIAN  
 CROSSING IMPROVEMENT PROJECT**  
 SOQUEL AVENUE & CAYUGA STREET

REFERENCES FIELD BOOK: # DRAWING #: #	DATE	11/4/2019	SCALE	1"=10'
	DRAWN	D.E.	SHEET	10 OF 27
	DESIGN	D.E.	VAULT NO.	9170
	CHECKED	N.N.		



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE B CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL CALTRANS CASE C CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ③ INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (N) 1B POLE. SEE DETAIL  $\frac{D4}{A}$
- ④ INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) STREETLIGHT. SEE DETAIL  $\frac{D4}{A}$
- ⑤ INSTALL PED PUSH BUTTON ON (N) PEDESTRIAN PUSH BUTTON POLE  $\frac{D4}{A}$
- ⑥ REMOVE (E) W11-2 SIGN AND POST
- ⑦ PROTECT IN PLACE: LIGHT POST, SLOT DRAIN, CURB AND GUTTER
- ⑧ DOWELL INTO (E) CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$

**STRIPING NOTES**

- a INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- b GRIND (E) STRIPING
- c INSTALL RED PAINT ON CURB

REVISIONS	



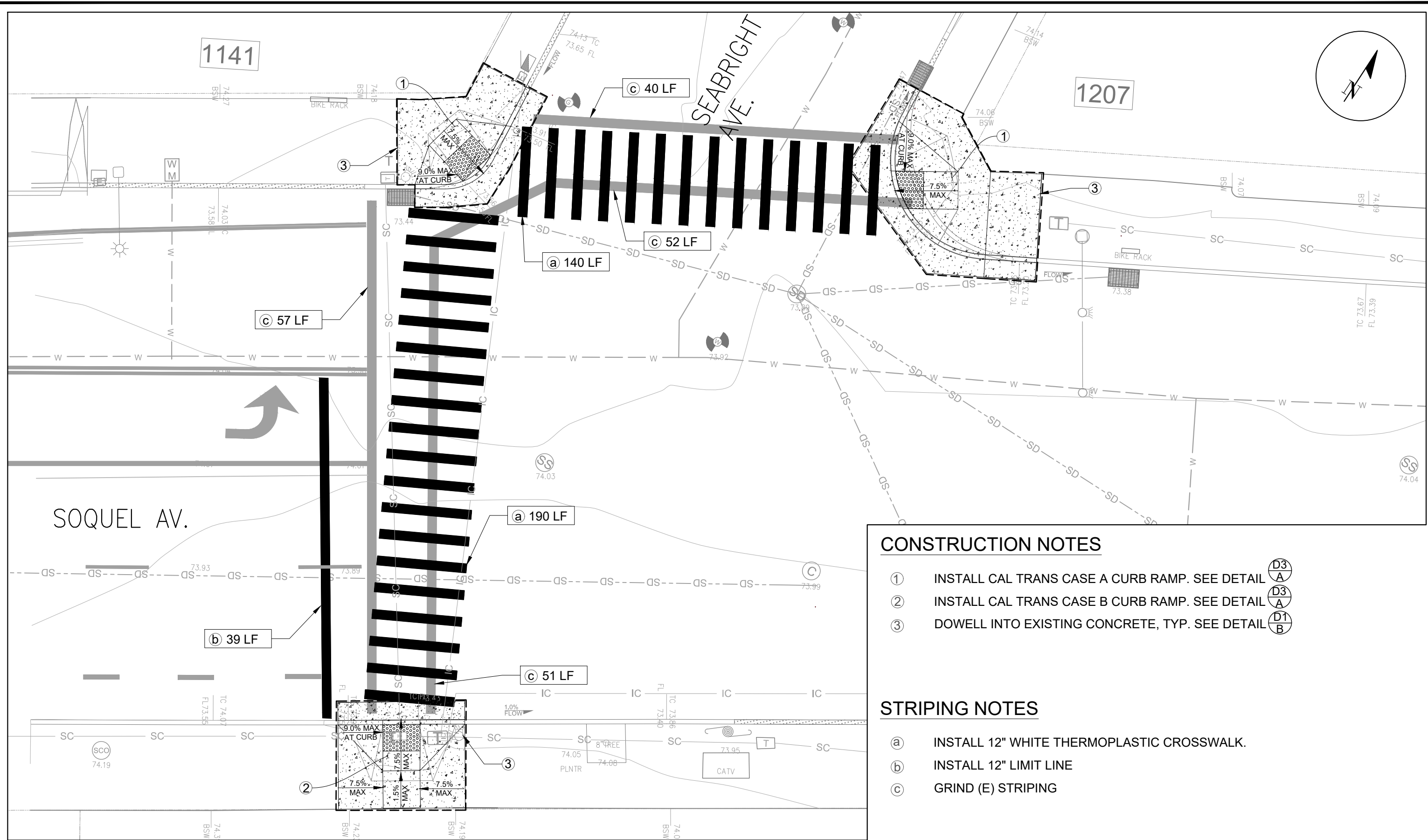
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**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
SOQUEL AVENUE & PINE STREET

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019
DRAWN	D.E.
DESIGN	D.E.
CHECKED	N.N.

SCALE	1"=10'
SHEET	11 OF 27
VAULT NO.	9170



**CONSTRUCTION NOTES**

- ① INSTALL CAL TRANS CASE A CURB RAMP. SEE DETAIL  $\begin{matrix} D3 \\ A \end{matrix}$
- ② INSTALL CAL TRANS CASE B CURB RAMP. SEE DETAIL  $\begin{matrix} D3 \\ A \end{matrix}$
- ③ DOWELL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\begin{matrix} D1 \\ B \end{matrix}$

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- (b) INSTALL 12" LIMIT LINE
- (c) GRIND (E) STRIPING

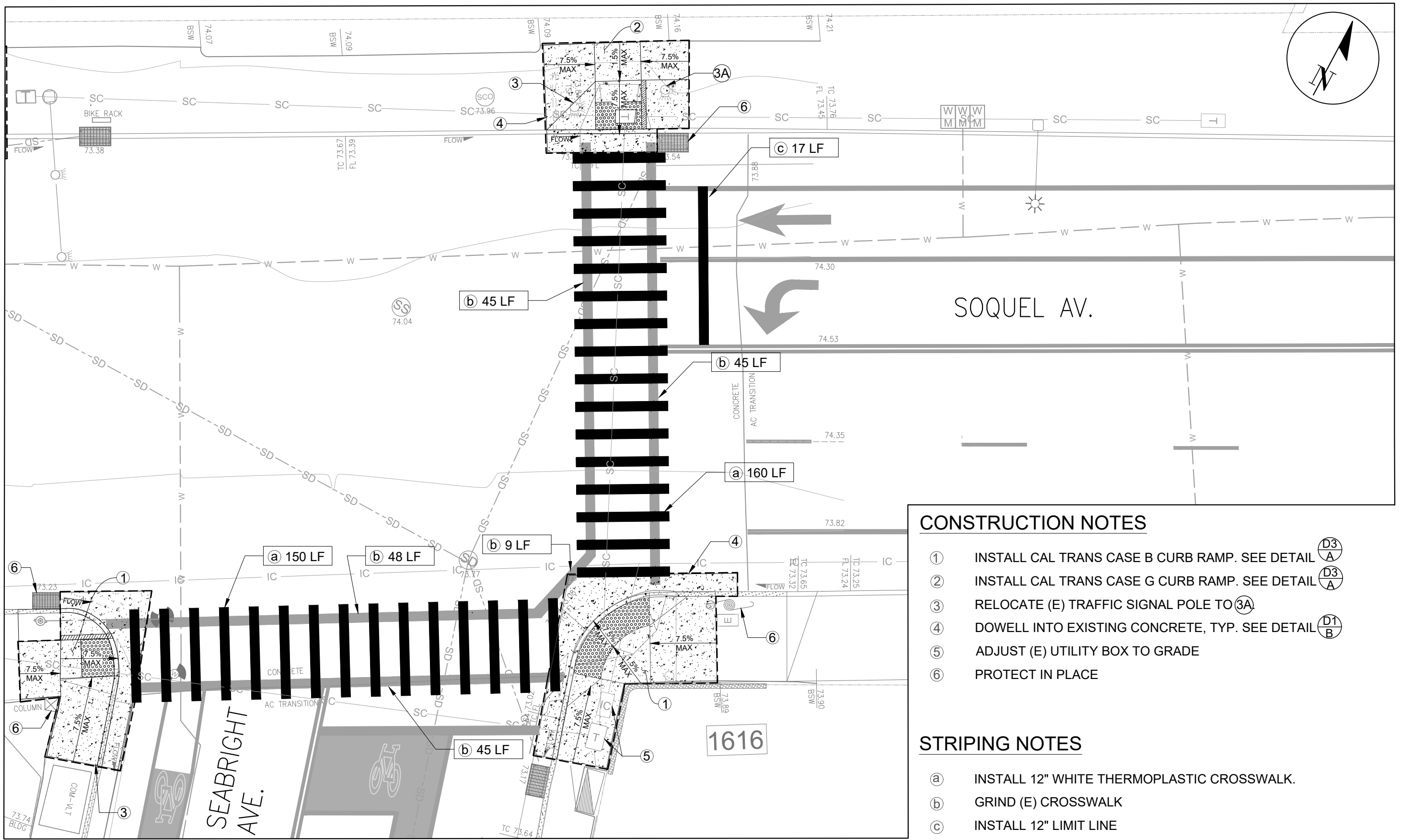
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**HSIP 8: CITYWIDE PEDESTRIAN  
 CROSSING IMPROVEMENT PROJECT**  
 SOQUEL AVENUE AND SEABRIGHT AVENUE (WEST)

REFERENCES	DATE 11/4/2019	SCALE 1" = 10'
FIELD BOOK: #	DRAWN D.E.	SHEET 12A OF 27
DRAWING #: #	DESIGN D.E.	VAULT NO.
	CHECKED N.N.	<b>9170</b>



**CONSTRUCTION NOTES**

- ① INSTALL CAL TRANS CASE B CURB RAMP. SEE DETAIL D3  
A
- ② INSTALL CAL TRANS CASE G CURB RAMP. SEE DETAIL D3  
A
- ③ RELOCATE (E) TRAFFIC SIGNAL POLE TO 3A
- ④ DOWELL INTO EXISTING CONCRETE, TYP. SEE DETAIL D1  
B
- ⑤ ADJUST (E) UTILITY BOX TO GRADE
- ⑥ PROTECT IN PLACE

**STRIPING NOTES**

- a INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- b GRIND (E) CROSSWALK
- c INSTALL 12" LIMIT LINE

REVISIONS	



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**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
SOQUEL AVENUE & SEABRIGHT AVENUE (EAST)

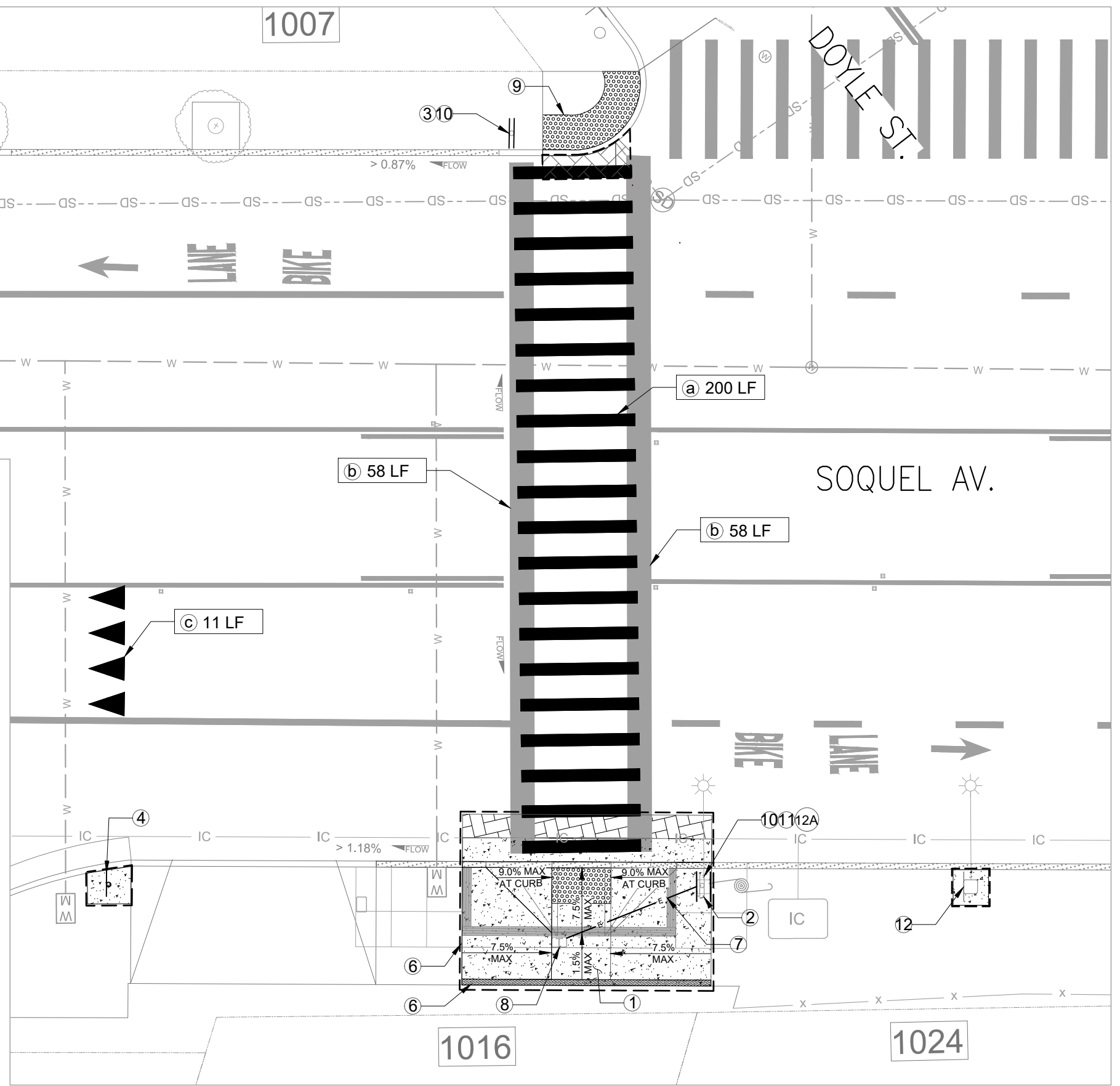
REFERENCES	DATE	11/4/2019	SCALE	1" = 10'
FIELD BOOK: #	DRAWN	D.E.	SHEET	12B OF 27
DRAWING #: #	DESIGN	D.E.	VAULT NO.	9170
	CHECKED	N.N.		

**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE B CURB RAMP, SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) BI-DIRECTIONAL W11-2 AND W16-7 SIGN ON (E) STREETLIGHT.
- ③ INSTALL (N) BI-DIRECTIONAL W11-2 AND W16-7 SIGN SIGN ON (E) CITY STANDARD POST  $\frac{D1}{A}$
- ④ INSTALL R 1-5 SIGN ON (N) POST  $\frac{D1}{A}$
- ⑤ CONSTRUCT RETAINING CURB (IF NECESSARY). SEE DETAIL  $\frac{D1}{C}$
- ⑥ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑦ INSTALL STREETLIGHT ELECTRICAL CONDUIT AND CONDUCTORS.
- ⑧ ADJUST (E) UTILITY BOX TO GRADE.
- ⑨ INSTALL (N) SURFACE APPLIED DETECTABLE WARNING SURFACE TILE.
- ⑩ REMOVE (E) SIGN
- ⑪ REMOVE (E) POST
- ⑫ RELOCATE (E) STREETLIGHT TO  $\frac{12A}{A}$
- ⑬ PROTECT IN PLACE

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- (b) GRIND (E) CROSSWALK
- (c) INSTALL YIELD LINE



REVISIONS	



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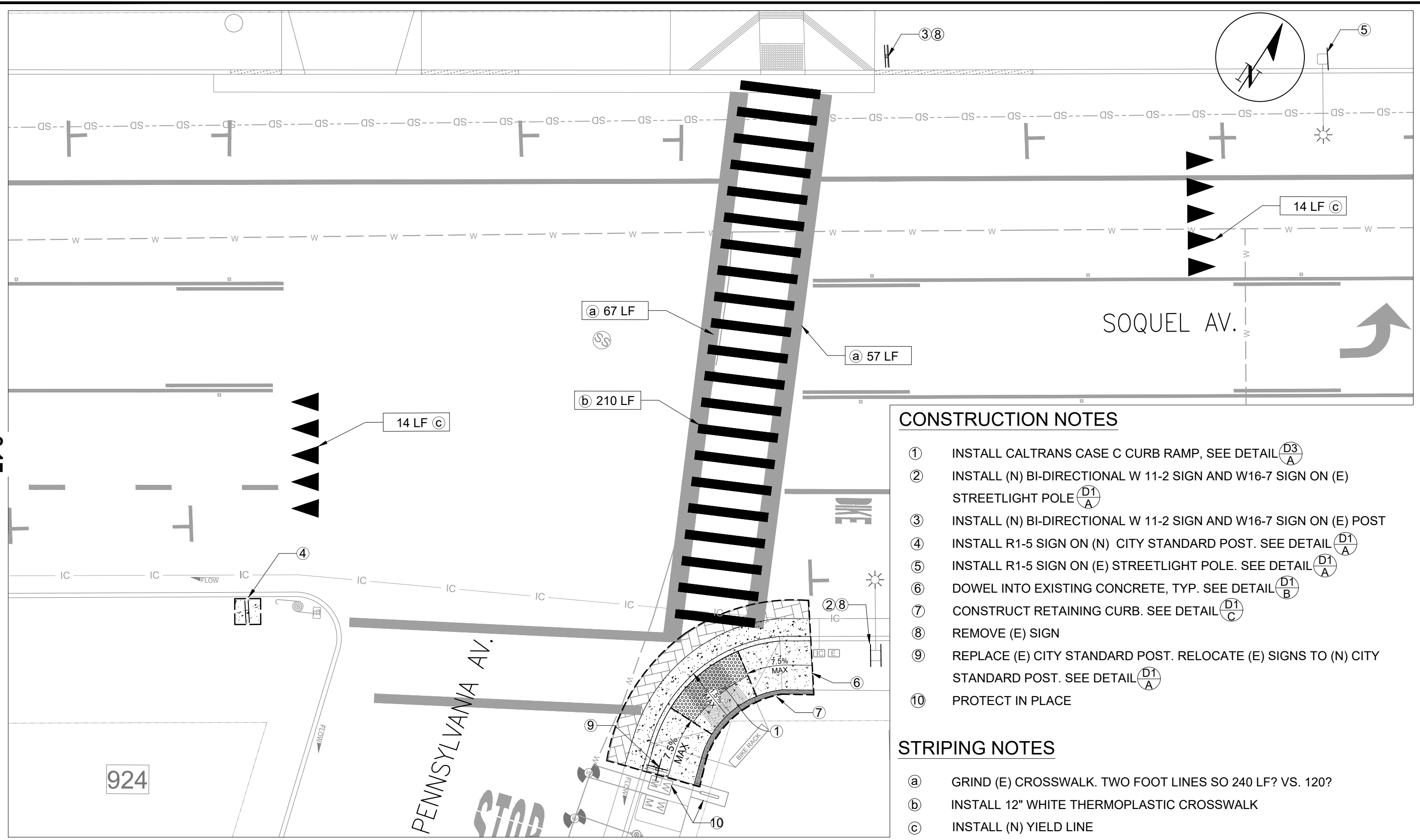
HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT  
SOQUEL AVENUE & DOYLE STREET

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019	SCALE	1" = 10'
DRAWN	D.E.	SHEET	13 OF 27
DESIGN	D.E.	VAULT NO.	
CHECKED	N.N.		9170



2.17



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP, SEE DETAIL (D3/A)
- ② INSTALL (N) BI-DIRECTIONAL W 11-2 SIGN AND W16-7 SIGN ON (E) STREETLIGHT POLE (D1/A)
- ③ INSTALL (N) BI-DIRECTIONAL W 11-2 SIGN AND W16-7 SIGN ON (E) POST
- ④ INSTALL R1-5 SIGN ON (N) CITY STANDARD POST. SEE DETAIL (D1/A)
- ⑤ INSTALL R1-5 SIGN ON (E) STREETLIGHT POLE. SEE DETAIL (D1/A)
- ⑥ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL (D1/B)
- ⑦ CONSTRUCT RETAINING CURB. SEE DETAIL (D1/C)
- ⑧ REMOVE (E) SIGN
- ⑨ REPLACE (E) CITY STANDARD POST. RELOCATE (E) SIGNS TO (N) CITY STANDARD POST. SEE DETAIL (D1/A)
- ⑩ PROTECT IN PLACE

**STRIPING NOTES**

- a GRIND (E) CROSSWALK. TWO FOOT LINES SO 240 LF? VS. 120?
- b INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- c INSTALL (N) YIELD LINE

REVISIONS	



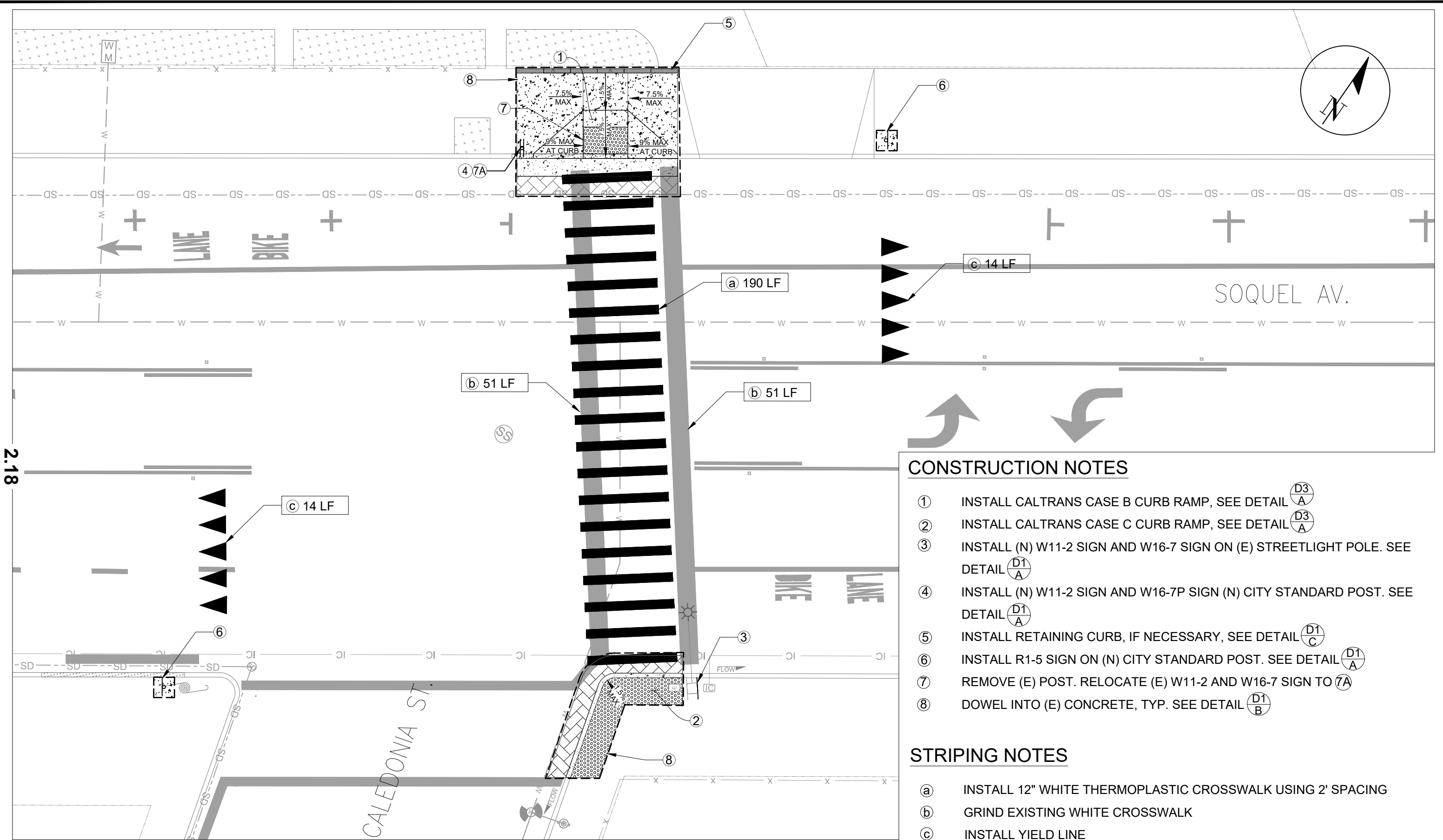
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**HSIP 8: CITYWIDE PEDESTRIAN CROSSING IMPROVEMENT PROJECT**  
SOQUEL AVENUE & PENNSYLVANIA AVENUE

REFERENCES  
FIELD BOOK: #  
DRAWING #: #

DATE	11/4/2019
DRAWN	D.E.
DESIGN	D.E.
CHECKED	N.N.

SCALE	1" = 10'
SHEET	14 OF 27
VAULT NO.	9170



**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE B CURB RAMP, SEE DETAIL <sup>(D3)</sup>(A)
- ② INSTALL CALTRANS CASE C CURB RAMP, SEE DETAIL <sup>(D3)</sup>(A)
- ③ INSTALL (N) W11-2 SIGN AND W16-7 SIGN ON (E) STREETLIGHT POLE. SEE DETAIL <sup>(D1)</sup>(A)
- ④ INSTALL (N) W11-2 SIGN AND W16-7P SIGN (N) CITY STANDARD POST. SEE DETAIL <sup>(D1)</sup>(A)
- ⑤ INSTALL RETAINING CURB, IF NECESSARY, SEE DETAIL <sup>(D1)</sup>(C)
- ⑥ INSTALL R1-5 SIGN ON (N) CITY STANDARD POST. SEE DETAIL <sup>(D1)</sup>(A)
- ⑦ REMOVE (E) POST. RELOCATE (E) W11-2 AND W16-7 SIGN TO ⑦A
- ⑧ DOWEL INTO (E) CONCRETE, TYP. SEE DETAIL <sup>(D1)</sup>(B)

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK USING 2' SPACING
- (b) GRIND EXISTING WHITE CROSSWALK
- (c) INSTALL YIELD LINE

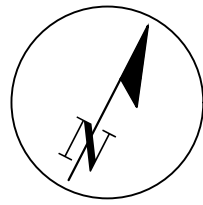
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**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
SOQUEL AVENUE & CALEDONIA STREET

REFERENCES	DATE	SCALE
FIELD BOOK: #	11/4/2019	1" = 10'
DRAWING #:	D.E.	SHEET 15 OF 27
DRAWING #:	D.E.	VAULT NO.
DRAWING #:	N.N.	9170



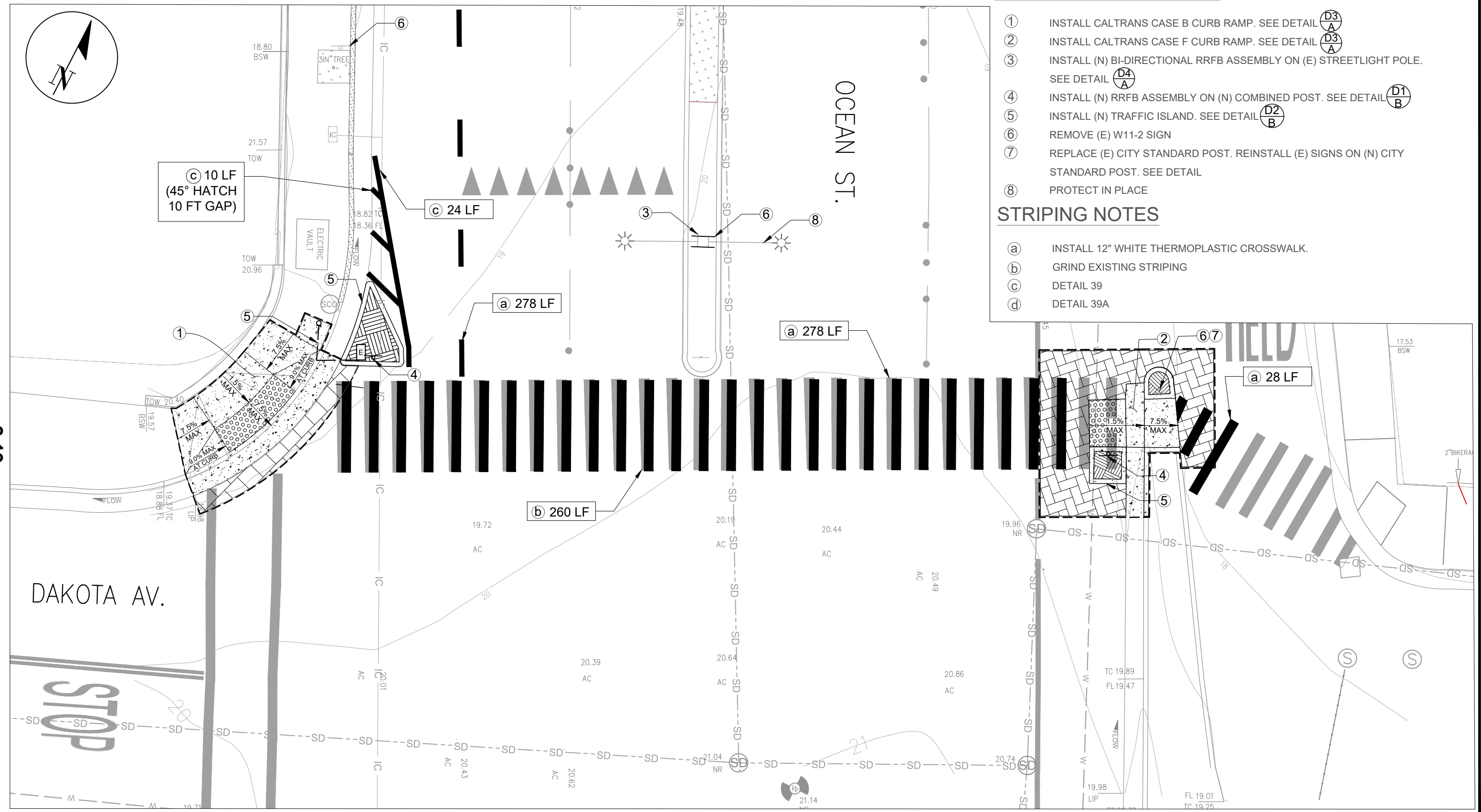
**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE B CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ③ INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) STREETLIGHT POLE. SEE DETAIL  $\frac{D4}{A}$
- ④ INSTALL (N) RRFB ASSEMBLY ON (N) COMBINED POST. SEE DETAIL  $\frac{D1}{B}$
- ⑤ INSTALL (N) TRAFFIC ISLAND. SEE DETAIL  $\frac{D2}{B}$
- ⑥ REMOVE (E) W11-2 SIGN
- ⑦ REPLACE (E) CITY STANDARD POST. REINSTALL (E) SIGNS ON (N) CITY STANDARD POST. SEE DETAIL
- ⑧ PROTECT IN PLACE

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK.
- (b) GRIND EXISTING STRIPING
- (c) DETAIL 39
- (d) DETAIL 39A

2.19



REVISIONS	



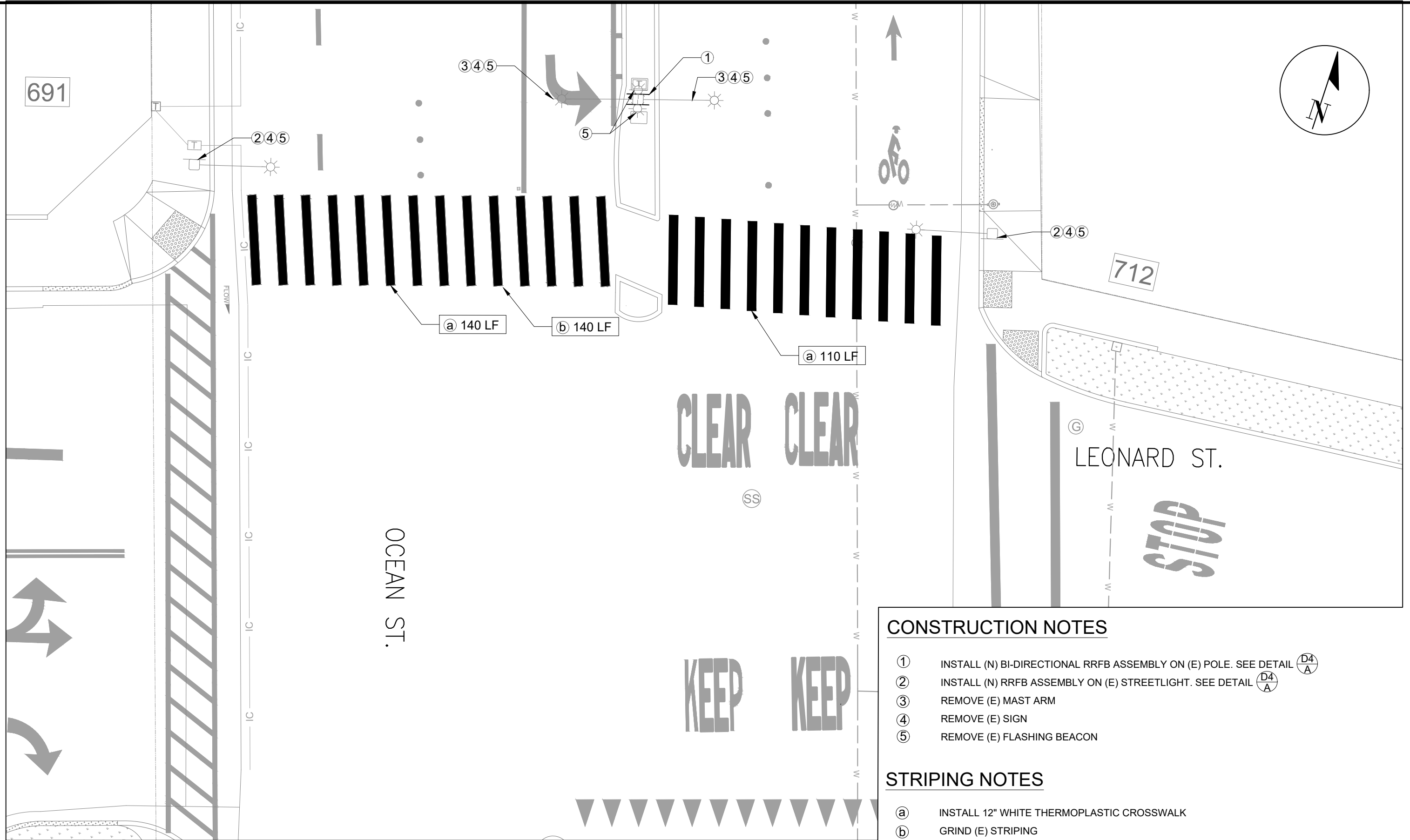
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**HSIP 8: CITYWIDE PEDESTRIAN  
 CROSSING IMPROVEMENT PROJECT**  
 OCEAN STREET & DAKOTA AVENUE

REFERENCES  
 FIELD BOOK:  
 #  
 DRAWING #:  
 #

DATE	11/4/2019	SCALE	1" = 10'
DRAWN	D.E.	SHEET	16 OF 27
DESIGN	D.E.	VAULT NO.	9170
CHECKED	N.N.		

2.20



**CONSTRUCTION NOTES**

- ① INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) POLE. SEE DETAIL <sup>D4</sup>/<sub>A</sub>
- ② INSTALL (N) RRFB ASSEMBLY ON (E) STREETLIGHT. SEE DETAIL <sup>D4</sup>/<sub>A</sub>
- ③ REMOVE (E) MAST ARM
- ④ REMOVE (E) SIGN
- ⑤ REMOVE (E) FLASHING BEACON

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- (b) GRIND (E) STRIPING

REVISIONS	

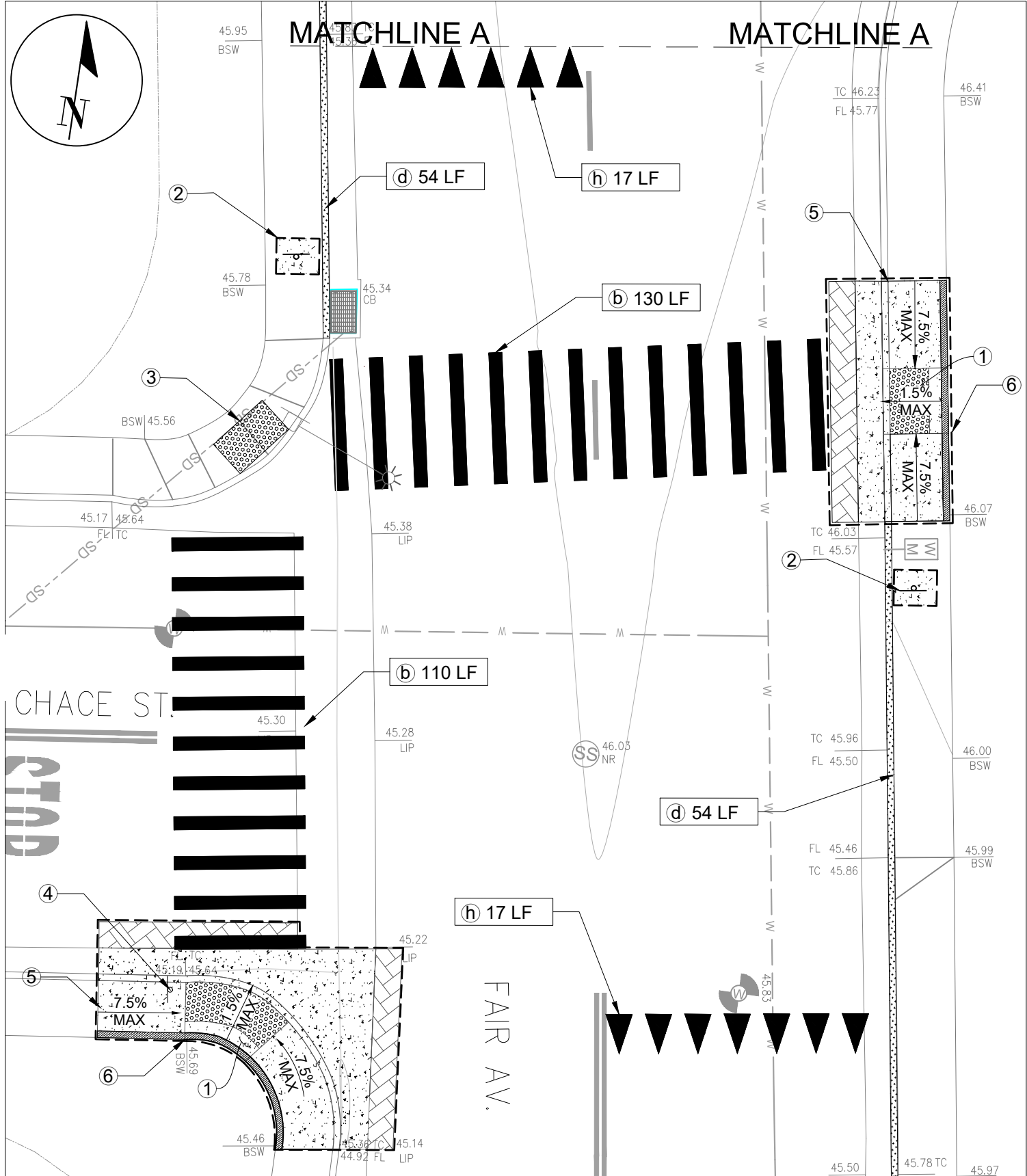


CITY OF  
**SANTA CRUZ**  
PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
OCEAN STREET & LEONARD STREET

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019	SCALE	1" = 10'
DRAWN	D.E.	SHEET	17 OF 27
DESIGN	D.E.	VAULT NO.	9170
CHECKED	N.N.		

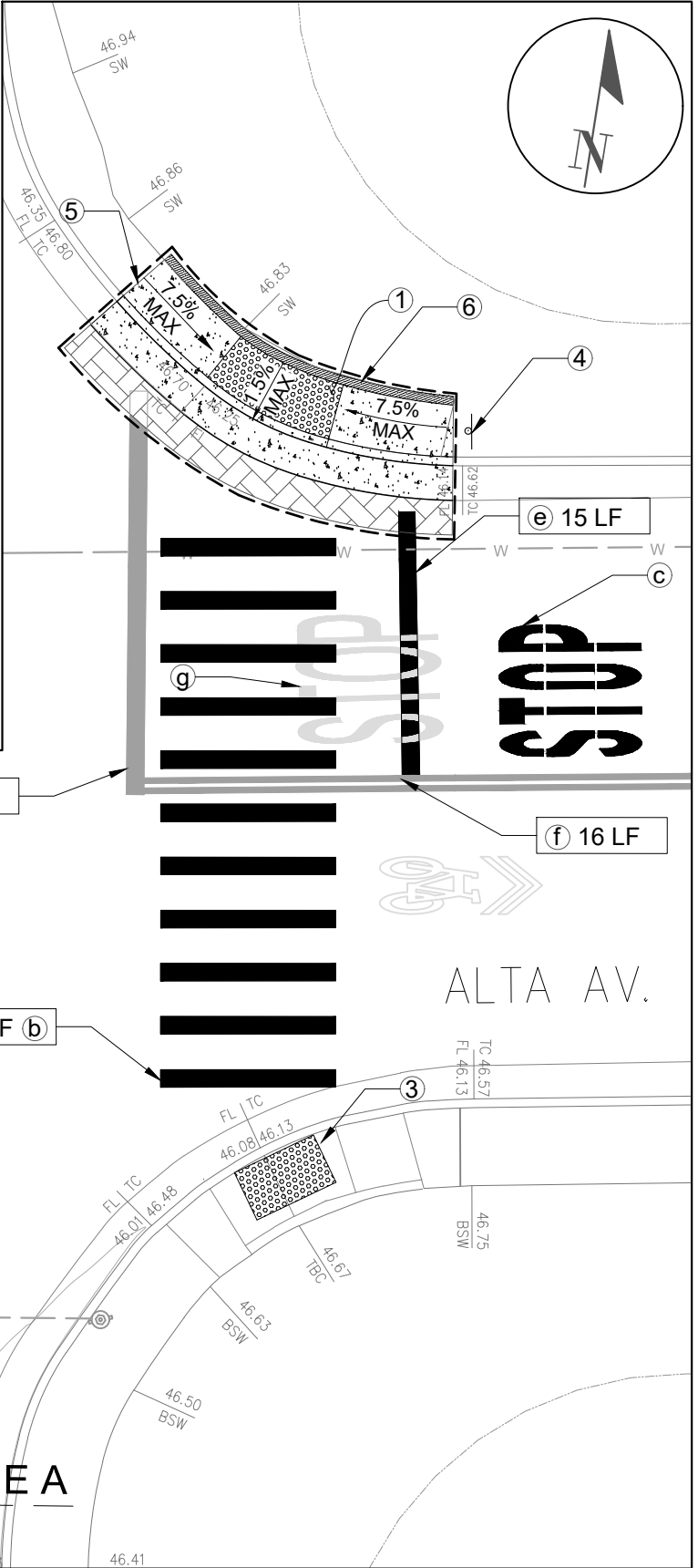


**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL (N) W11-2 SIGN ABOVE (N) W16-7 SIGN ON (N) POST. SEE DETAIL  $\frac{D1}{A}$
- ③ INSTALL BOLT DOWN TRUNCATED DOME
- ④ PROTECT IN PLACE
- ⑤ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑥ CONSTRUCT RETAINING CURB. SEE DETAIL  $\frac{D1}{C}$

**STRIPING NOTES**

- (a) GRIND (E) STOP BAR
- (b) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- (c) INSTALL (N) STOP LEGEND
- (d) INSTALL RED CURB PAINT
- (e) INSTALL (N) STOP BAR
- (f) GRIND (E) DOUBLE YELLOW LINE
- (g) GRIND (E) STOP LEGEND
- (h) INSTALL YIELD LINE



2.21

REVISIONS	

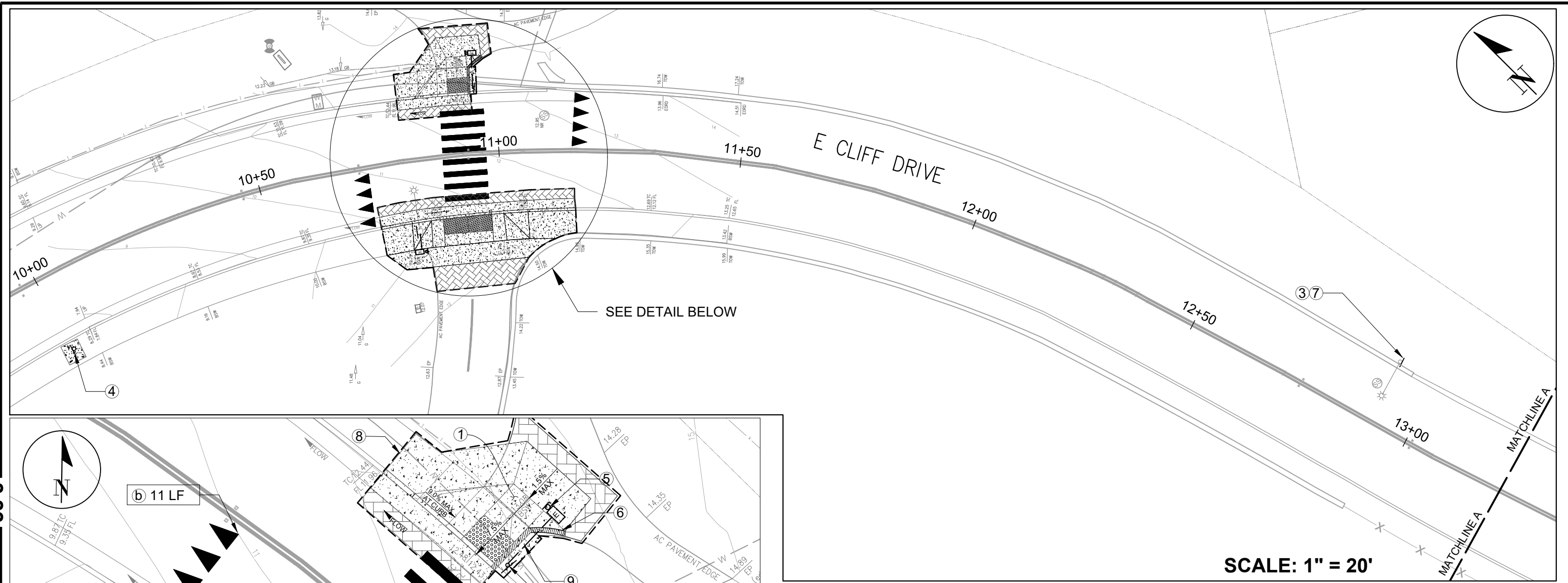


CITY OF  
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PUBLIC WORKS DEPARTMENT  
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Santa Cruz, CA 95060

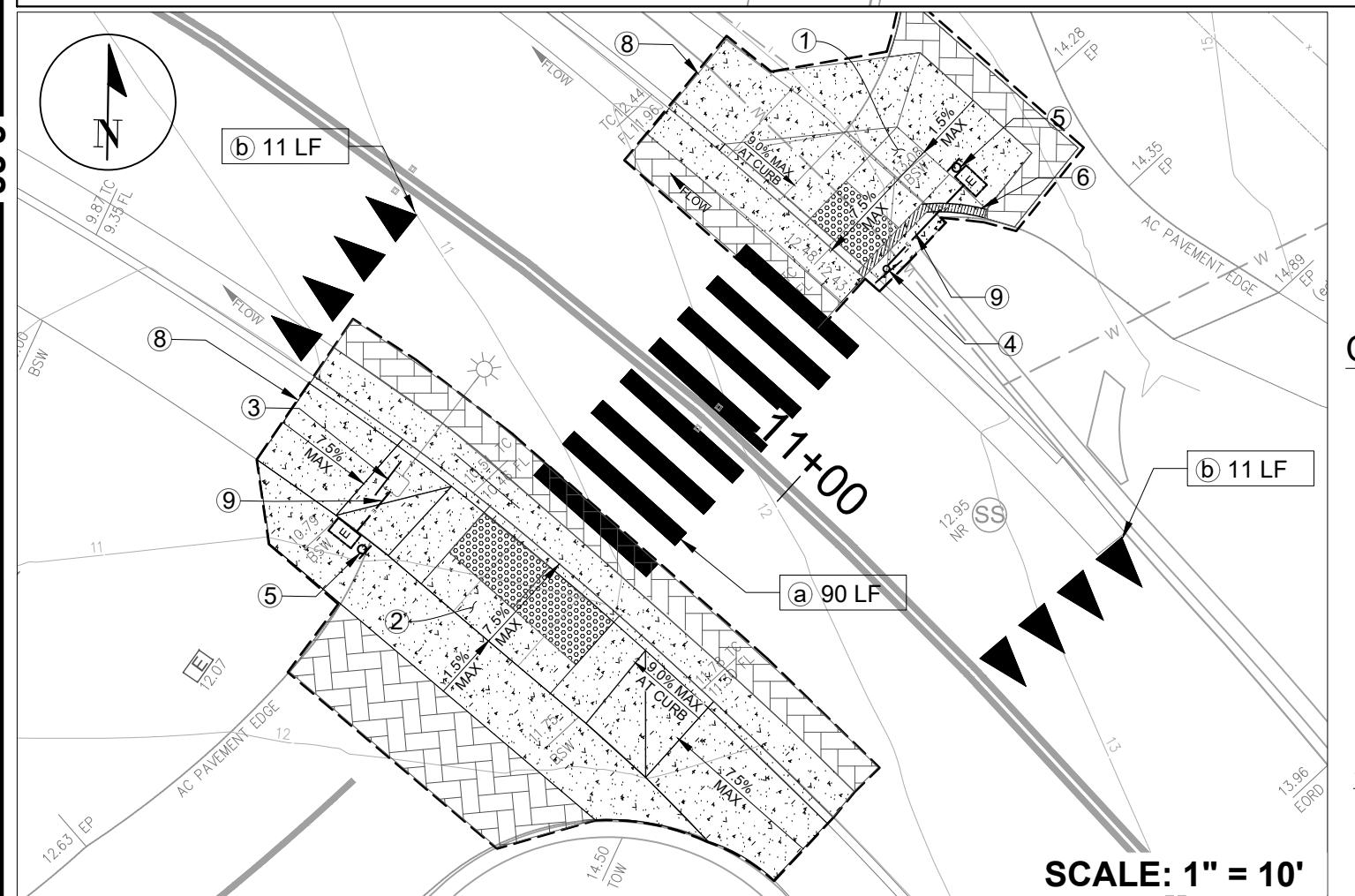
**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
FAIR AVENUE, CHACE STREET & ALTA AVENUE

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019	SCALE	1"=10'
DRAWN	D.E.	SHEET	18 OF 27
DESIGN	D.E.	VAULT NO.	9170
CHECKED	N.N.		



SCALE: 1" = 20'



SCALE: 1" = 10'

**CONSTRUCTION NOTES**

- ① INSTALL CAL TRANS CASE G CURB RAMP. SEE DETAIL  $\text{\textcircled{D3}}_A$
- ② INSTALL MODIFIED TYPE C DRIVEWAY APPROACH, SEE DETAIL  $\text{\textcircled{D4}}_B$
- ③ INSTALL (N) RRFB ASSEMBLY ON (E) STREETLIGHT. SEE DETAIL  $\text{\textcircled{D4}}_A$
- ④ INSTALL (N) RRFB ASSEMBLY ON (N) 1-B POLE. SEE DETAIL  $\text{\textcircled{D4}}_A$
- ⑤ INSTALL (N) PEDESTRIAN PUSH BUTTON ON (N) PUSH BUTTON ASSEMBLY POST. SEE DETAIL  $\text{\textcircled{D4}}_A$
- ⑥ CONSTRUCT RETAINING CURB. SEE DETAIL  $\text{\textcircled{D1}}_C$
- ⑦ REMOVE (E) SIGN
- ⑧ DOWELL INTO EXSITING CONCRETE, TYP. SEE DETAIL  $\text{\textcircled{D1}}_B$
- ⑨ INSTALL ELECTRICAL CONDUIT AND CONDUCTORS

**STRIPING NOTES**

- (a) INSTALL 12" WHITE THERMOPLASTIC CROSSWALK
- (b) INSTALL (N) YIELD LINE

**REVISIONS**

NO.	DESCRIPTION



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Santa Cruz, CA 95060

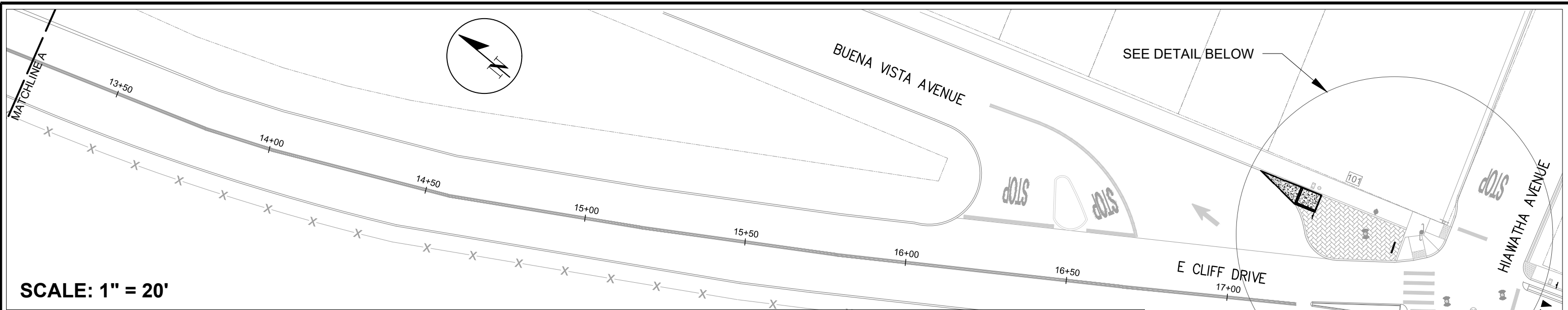
**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
E. CLIFF DRIVE & SAN LORENZO RIVER PATHWAY

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

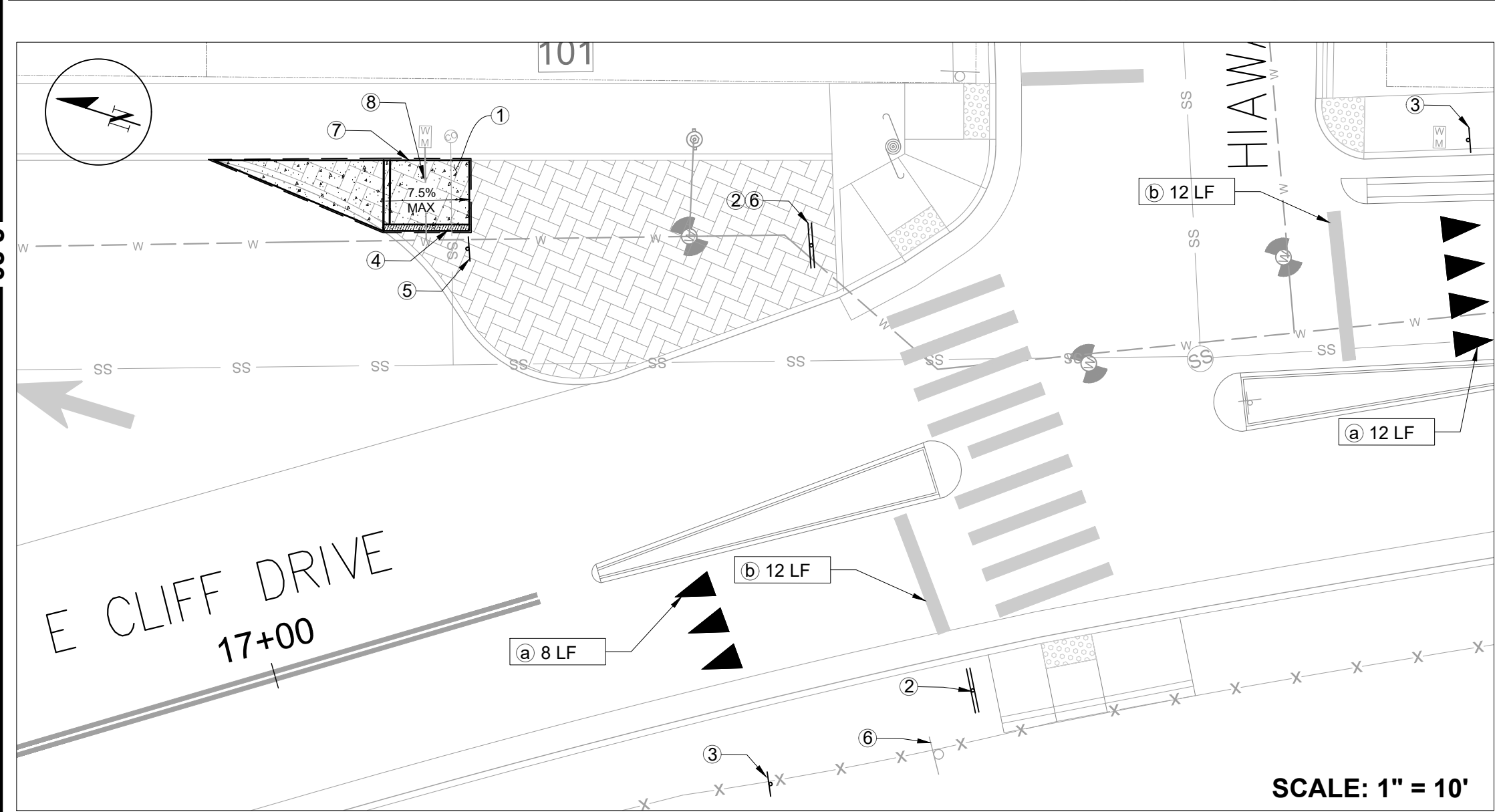
DATE 11/4/2019  
DRAWN D.E.  
DESIGN D.E.  
CHECKED N.N.

SCALE AS SHOWN  
SHEET 19A OF 27  
VAULT NO.  
**9170**

2.22



SCALE: 1" = 20'



SCALE: 1" = 10'

**CONSTRUCTION NOTES**

- ① INSTALL CAL TRANS CASE F CURB RAMP. SEE DETAIL  $\text{D3/A}$
- ② INSTALL (N) BI-DIRECTIONAL RRFB SYSTEM ON (N) 1-B POST. SEE DETAIL  $\text{D4/A}$
- ③ INSTALL (N) R1-5 SIGN ON (N) CITY STANDARD POST. SEE DETAIL  $\text{D1/C}$
- ④ CONSTRUCT RETAINING CURB. SEE DETAIL  $\text{D1/C}$
- ⑤ INSTALL (N) "BIKES MAY EXIT" SIGN ON (N) CITY STANDARD POST. SEE DETAIL  $\text{D1/A}$
- ⑥ REMOVE (E) POST. RELOCATE (E) W11-2 AND W16-7P(L) SIGN TO (N) 1-B POST.
- ⑦ DOWELL INTO EXSITING CONCRETE, TYP. SEE DETAIL  $\text{D1/B}$
- ⑧ PROTECT IN PLACE

**STRIPING NOTES**

- (a) INSTALL (N) YIELD LINE
- (b) GRIND (E) YIELD LINE

2.23

REVISIONS	



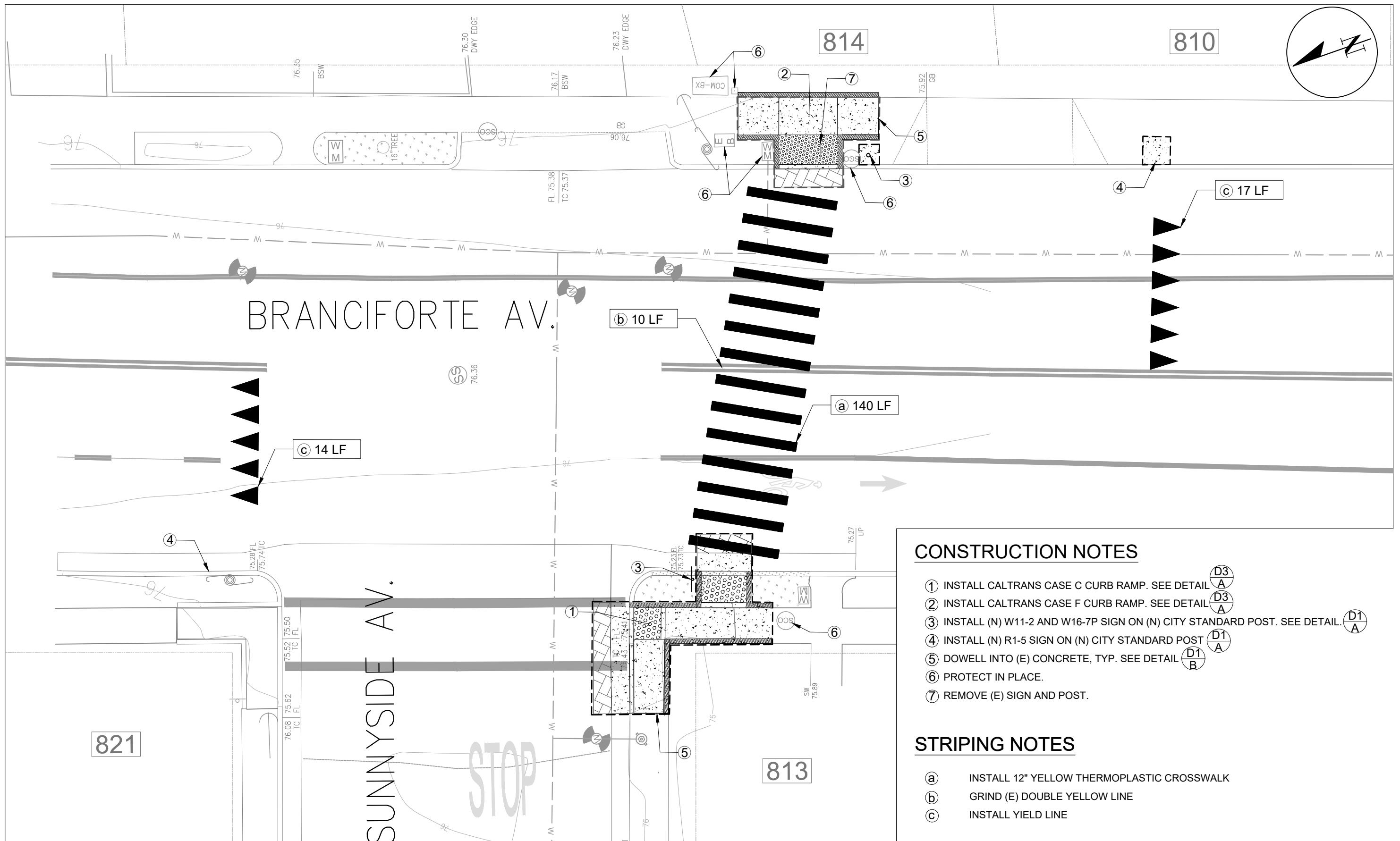
CITY OF  
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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
E. CLIFF DRIVE & HIWATHA AVENUE

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE 11/4/2019  
DRAWN D.E.  
DESIGN D.E.  
CHECKED N.N.

SCALE AS SHOWN  
SHEET 19B OF 27  
VAULT NO.  
**9170**



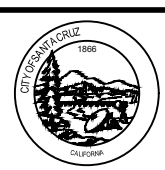
**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP. SEE DETAIL D3  
A
- ② INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL D3  
A
- ③ INSTALL (N) W11-2 AND W16-7P SIGN ON (N) CITY STANDARD POST. SEE DETAIL. D1  
A
- ④ INSTALL (N) R1-5 SIGN ON (N) CITY STANDARD POST D1  
A
- ⑤ DOWELL INTO (E) CONCRETE, TYP. SEE DETAIL D1  
B
- ⑥ PROTECT IN PLACE.
- ⑦ REMOVE (E) SIGN AND POST.

**STRIPING NOTES**

- (a) INSTALL 12" YELLOW THERMOPLASTIC CROSSWALK
- (b) GRIND (E) DOUBLE YELLOW LINE
- (c) INSTALL YIELD LINE

REVISIONS	



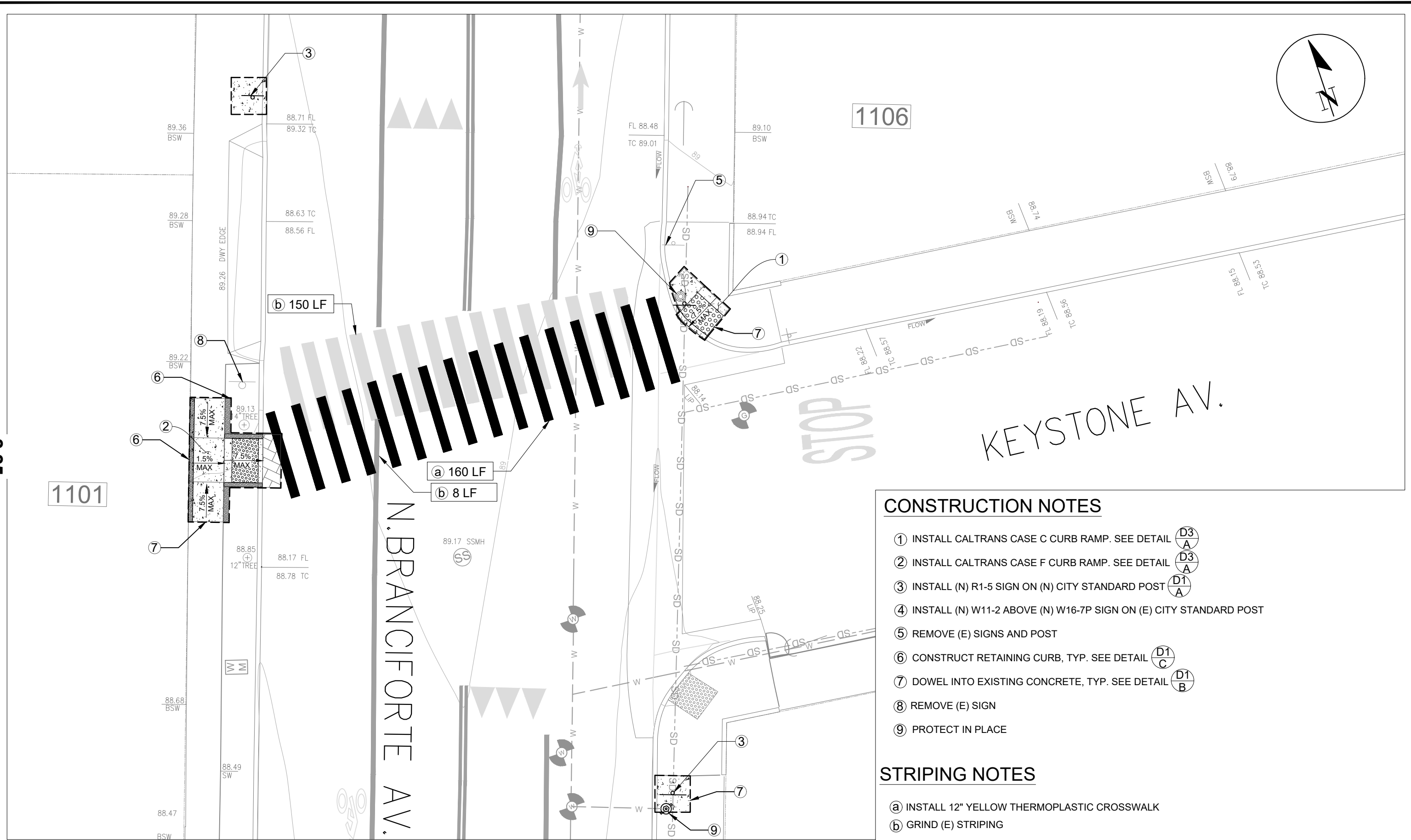
CITY OF  
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Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
N. BRANCIFORTE AVENUE & SUNNYSIDE AVENUE

REFERENCES	DATE	11/4/2019	SCALE	1"=10'
FIELD BOOK:	DRAWN	D.E.	SHEET	20 OF 27
#	DESIGN	D.E.	Vault NO.	9170
DRAWING #:	CHECKED	N.N.		
#				

DATE	11/4/2019	SCALE	1"=10'
DRAWN	D.E.	SHEET	20 OF 27
DESIGN	D.E.	Vault NO.	9170
CHECKED	N.N.		





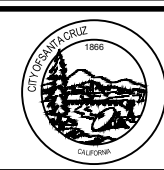
**CONSTRUCTION NOTES**

- ① INSTALL CALTRANS CASE C CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ② INSTALL CALTRANS CASE F CURB RAMP. SEE DETAIL  $\frac{D3}{A}$
- ③ INSTALL (N) R1-5 SIGN ON (N) CITY STANDARD POST  $\frac{D1}{A}$
- ④ INSTALL (N) W11-2 ABOVE (N) W16-7P SIGN ON (E) CITY STANDARD POST
- ⑤ REMOVE (E) SIGNS AND POST
- ⑥ CONSTRUCT RETAINING CURB, TYP. SEE DETAIL  $\frac{D1}{C}$
- ⑦ DOWEL INTO EXISTING CONCRETE, TYP. SEE DETAIL  $\frac{D1}{B}$
- ⑧ REMOVE (E) SIGN
- ⑨ PROTECT IN PLACE

**STRIPING NOTES**

- a) INSTALL 12" YELLOW THERMOPLASTIC CROSSWALK
- b) GRIND (E) STRIPING

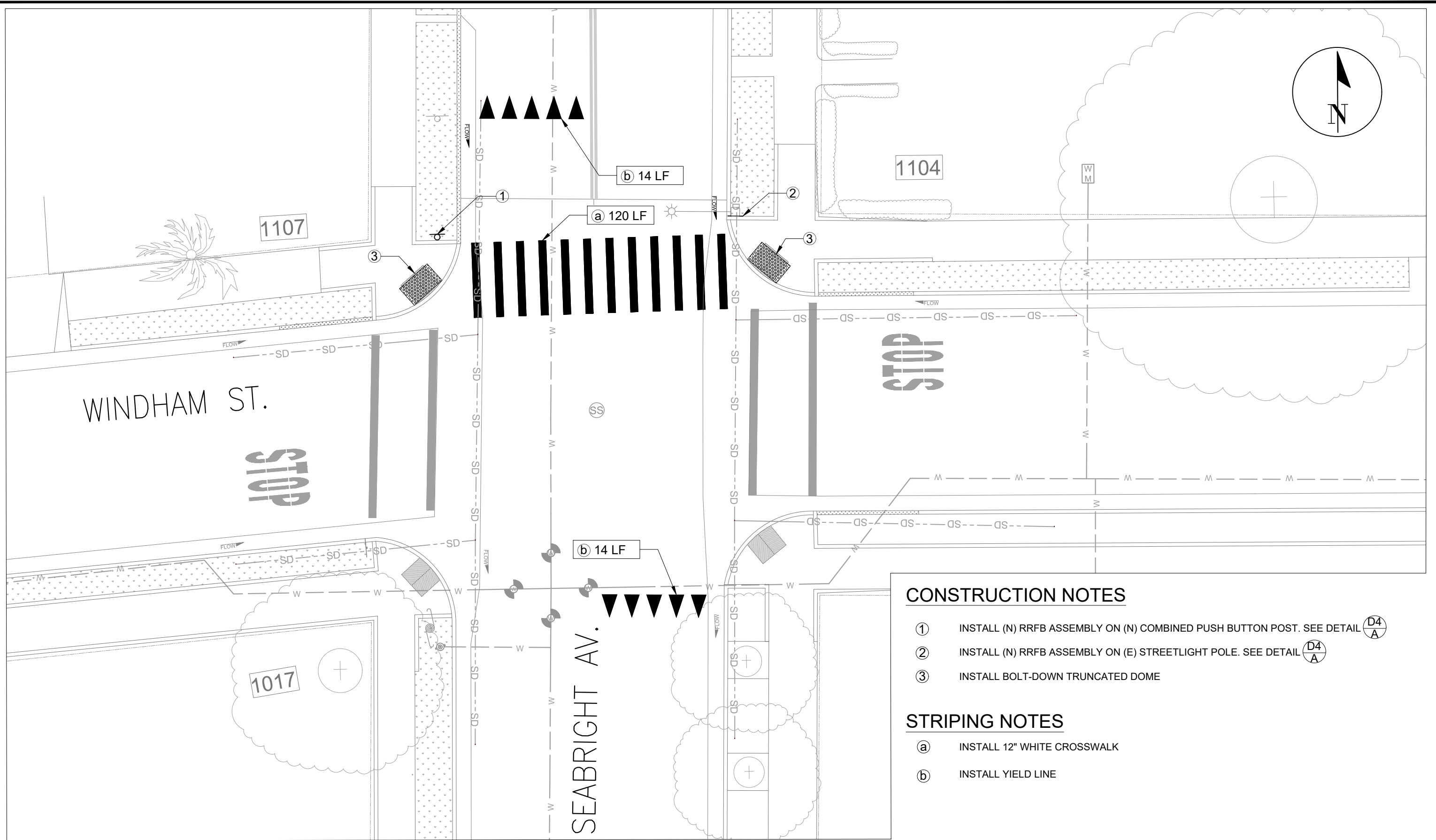
REVISIONS	



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 Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN**  
**CROSSING IMPROVEMENT PROJECT**  
**N. BRANCIFORTE AVENUE & KEYSTONE AVENUE**

REFERENCES	DATE	11/4/2019	SCALE	1"=10'
FIELD BOOK:	DRAWN	D.E.	SHEET	21 OF 27
#	DESIGN	D.E.	VAULT NO.	9170
DRAWING #:	CHECKED	N.N.		
#				



**CONSTRUCTION NOTES**

- ① INSTALL (N) RRFB ASSEMBLY ON (N) COMBINED PUSH BUTTON POST. SEE DETAIL  $\frac{D4}{A}$
- ② INSTALL (N) RRFB ASSEMBLY ON (E) STREETLIGHT POLE. SEE DETAIL  $\frac{D4}{A}$
- ③ INSTALL BOLT-DOWN TRUNCATED DOME

**STRIPING NOTES**

- (a) INSTALL 12" WHITE CROSSWALK
- (b) INSTALL YIELD LINE

REVISIONS	



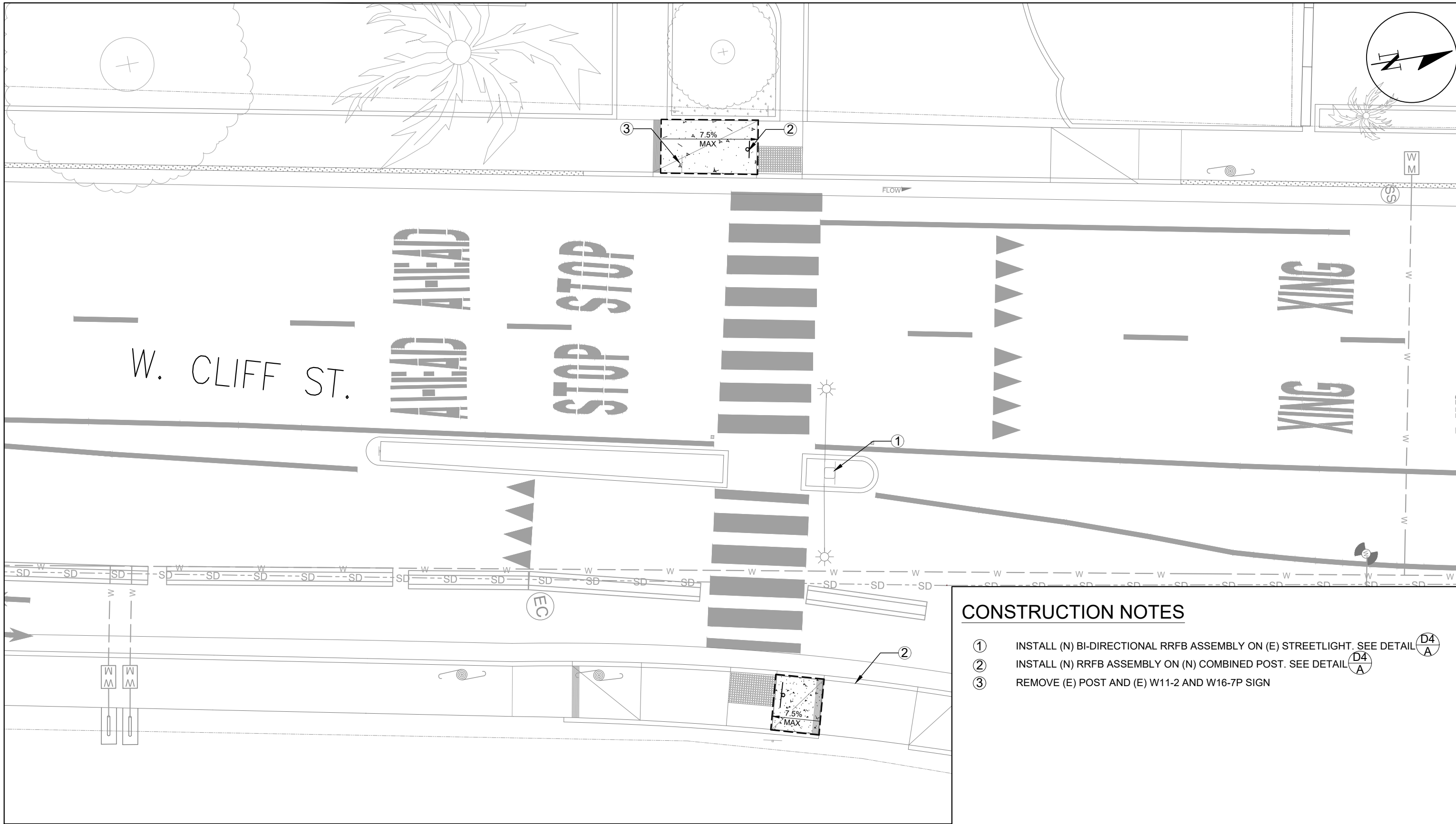
CITY OF  
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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVMENT PROJECT**  
SEABRIGHT AVENUE & WINDHAM STREET

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

DATE	11/4/2019
DRAWN	D.E.
DESIGN	D.E.
CHECKED	N.N.

SCALE	1" = 10'
SHEET	22 OF 27
VAULT NO.	#



**CONSTRUCTION NOTES**

- ① INSTALL (N) BI-DIRECTIONAL RRFB ASSEMBLY ON (E) STREETLIGHT. SEE DETAIL D4  
A
- ② INSTALL (N) RRFB ASSEMBLY ON (N) COMBINED POST. SEE DETAIL D4  
A
- ③ REMOVE (E) POST AND (E) W11-2 AND W16-7P SIGN

REVISIONS	

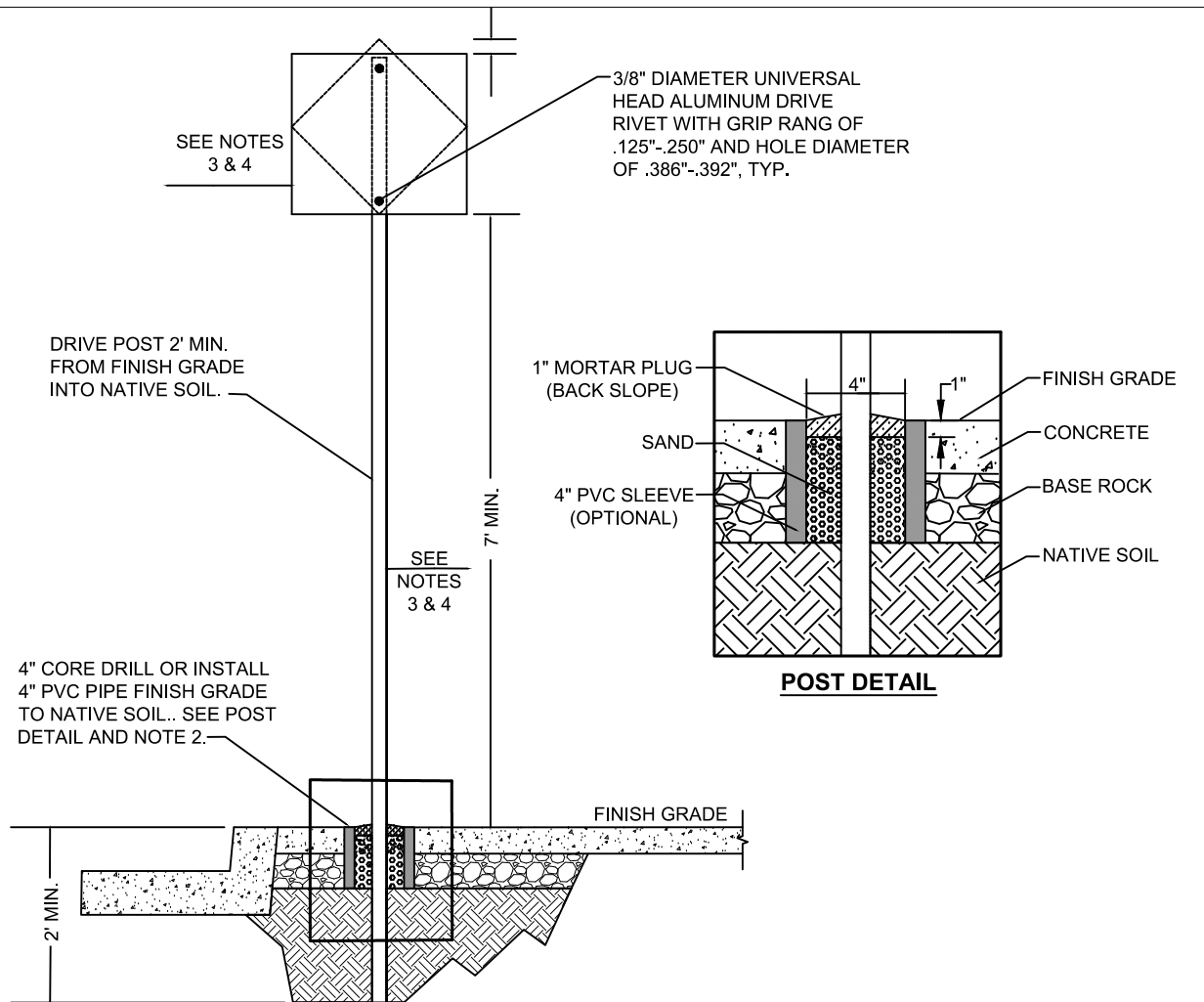


CITY OF  
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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
BAY STREET & WEST CLIFF DRIVE

REFERENCES	DATE	11/4/2019
FIELD BOOK:	DRAWN	D.E.
#	DESIGN	D.E.
DRAWING #:	CHECKED	N.N.
#		

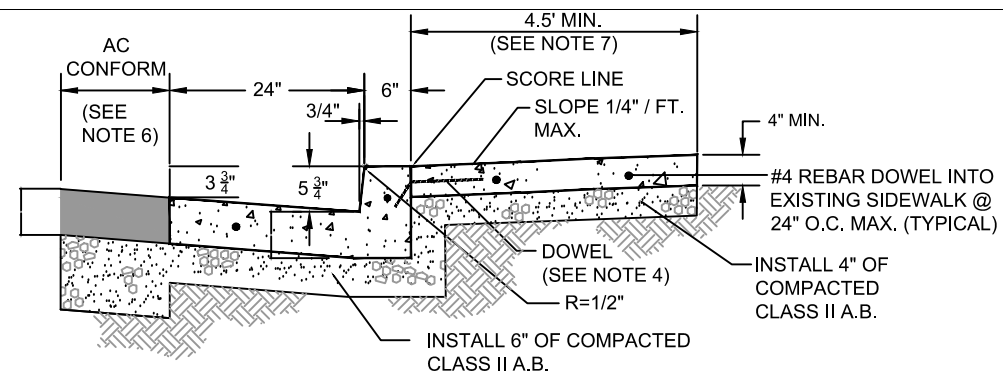
SCALE	1" = 10'
SHEET	23 OF 27
VAULT NO.	9170



**NOTES:**

1. SIGN POST SHALL BE 2" X 2" UNISTRUT "TELESPAR" PRE-DRILLED SQUARE TUBING OR APPROVED EQUAL.
2. CONTRACTOR HAS THE OPTION TO:  
(A) 4" CORE DRILL TO NATIVE SOIL AFTER POURING CONCRETE OR  
(B) INSTALL 4" PVC SLEEVE PRIOR TO POURING CONCRETE.
3. 4' MINIMUM CLEARANCE BETWEEN EDGE OF POST AND BACK OF WALK. POST MAY BE INSTALLED AT BACK OF WALK IF 4' CLEARANCE CAN NOT BE MET.
4. INSTALL POST SO THAT THE EDGE OF SIGN IS SET BACK 6" FROM FACE OF CURB. SIGN MAY BE MOUNTED OFF CENTER ON SIGN POST TO PROVIDE 4' POST CLEARANCE AND/OR 6" EDGE OF SIGN SET BACK.
5. LOW PROFILE ALTERNATIVE IS 2' BELOW GRADE WITH 5' TO TOP OF SIGN (NOT ALLOWED IN PEDESTRIAN AREAS).

**D1**  
**A** SIGN AND POST DETAIL  
N.T.S.

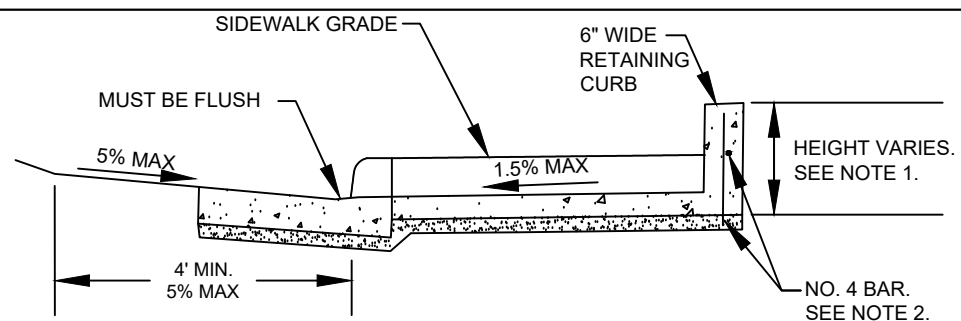


**STANDARD CURB, GUTTER & SIDEWALK**

**NOTES:**

1. ALL CONCRETE TO BE SIX SACK, CLASS "A" PLANT MIXED PCC.
2. COMPACT SUBBASE SOIL TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT TO A DEPTH OF 6".
3. STANDARD CURB, GUTTER AND SIDEWALK SHALL BE A MONOLITHIC POUR UNLESS CURB AND GUTTER ARE EXISTING.
4. IF ANY CURB, GUTTER OR SIDEWALK ARE EXISTING, DOWEL INTO EXISTING CONCRETE EVERY 24". USE 18" LONG #4 DOWELS, INSERT 4" INTO CURB. BEND DOWEL AT BACK OF CURB AS SHOWN.
5. SCORE SIDEWALK EVERY 4 FT. PLACE EXPANSION JOINTS EVERY 60 FEET WITH DEEP JOINTS EVERY 12 FT.
6. WIDTH OF A.C. CONFORM SHALL BE A MINIMUM OF 2 FEET. A.C. CONFORM SHALL BE A MINIMUM OF 6" THICK ON TOP OF 6" OF CLASS II A.B.
7. CITY ENGINEER MAY REQUIRE MODIFICATIONS OF MINIMUM WIDTH TO CONFORM TO SURROUNDING NEIGHBORHOOD.

**D1**  
**B** CURB, GUTTER AND SIDEWALK  
N.T.S.



**NOTES:**

1. RETAINING CURBS FOR CURB RAMPS SHALL BE FLUSH WITH SIDEWALK GRADE. RETIANING CURBS FOR FOR DRIVEWAY APPROACHES AND BACK OF SIDEWALK SHALL VARY UP TO A MAXIMUM OF 1 FT.
2. NO. 4 BAR ONLY REQUIRED FOR CURBS GREATER THAN 8" IN HEIGHT. VERTICAL BAR SHALL BE PLACED 18" ON CENTER. ONE HORIZONTAL BAR SHALL BE PLACED EVERY 8" IN HEIGHT. MINIMUM 2" COVER ON ALL BAR.
3. RETAINING CURB SHALL BE POURED MONOLITHIC WITH CURB RAMP, SIDEWALK, AND DRIVEWAY APPROACH.

**D1**  
**C** RETAINING CURB DETAIL  
N.T.S.

REVISIONS	

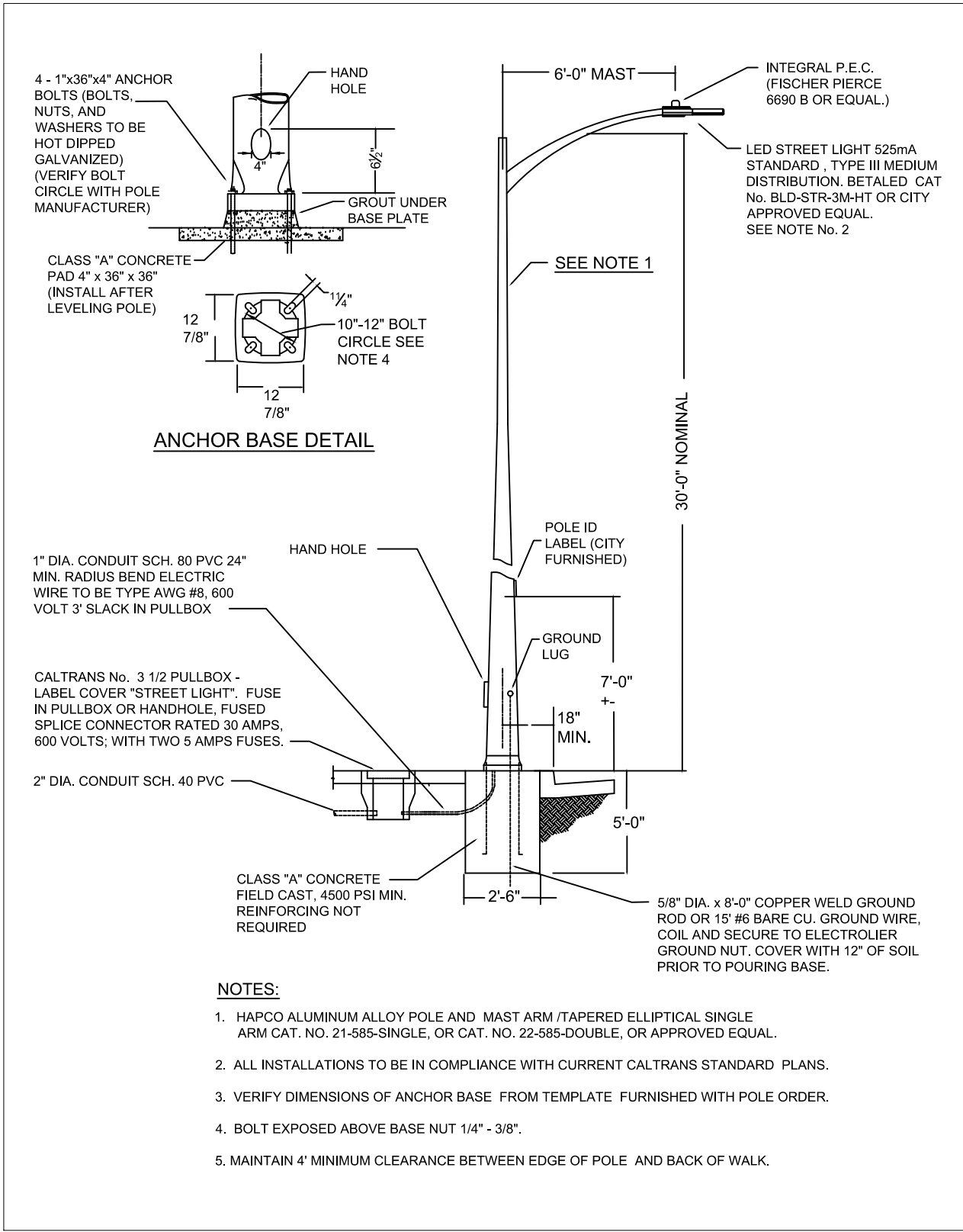


CITY OF  
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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

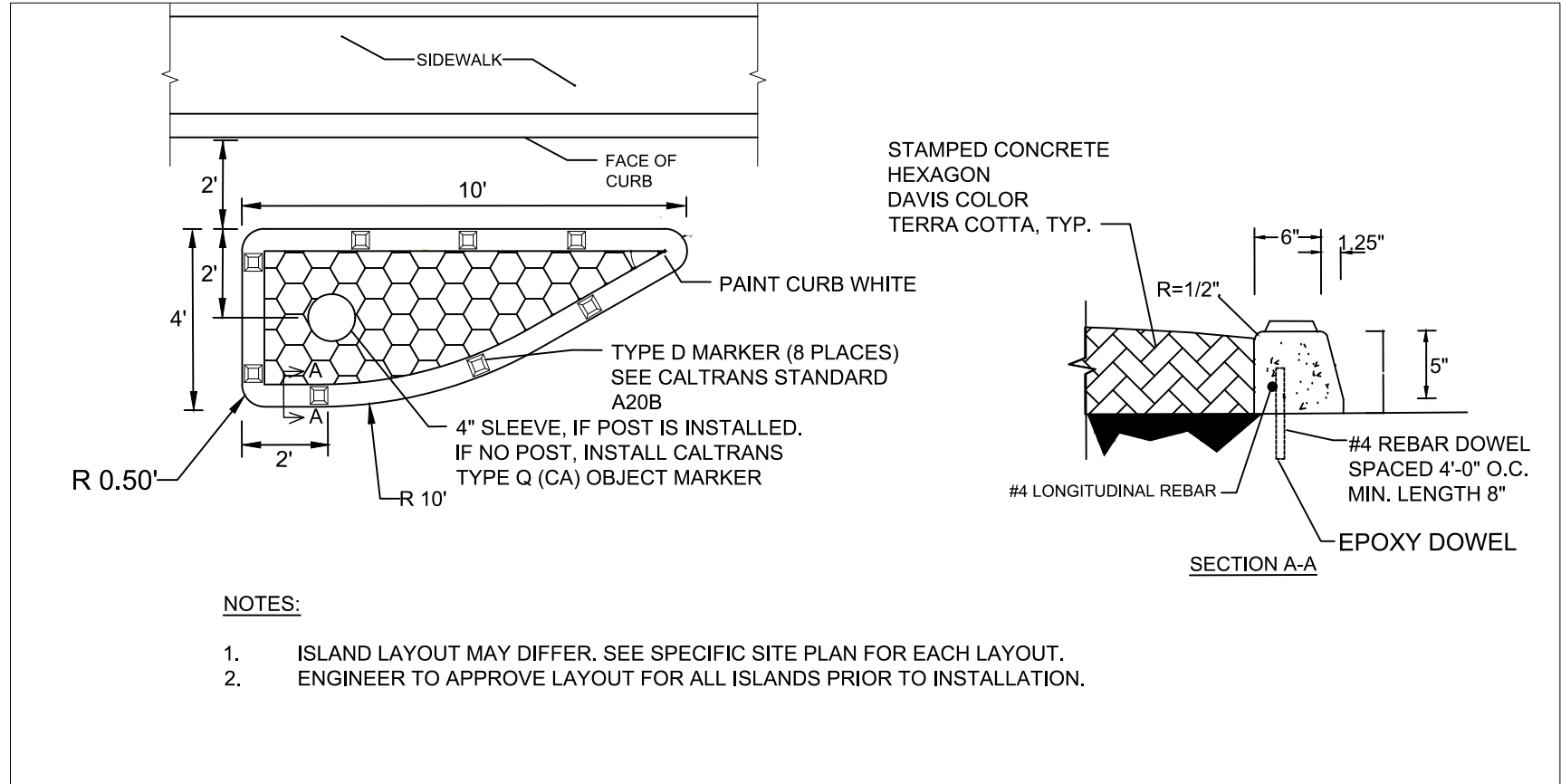
**HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT**  
DETAIL 1

REFERENCES  
FIELD BOOK:  
#  
DRAWING #:  
#

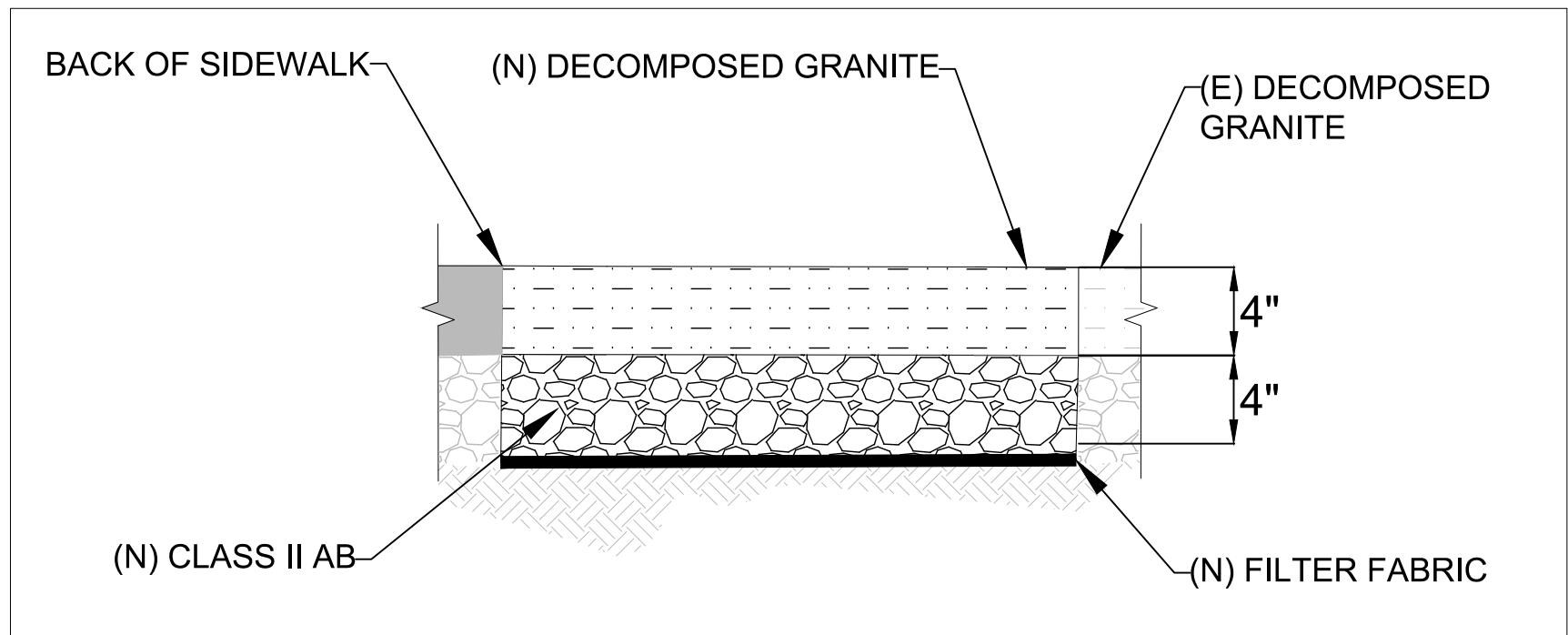
DATE	11/4/2019	SCALE	AS SHOWN
DRAWN	D.E.	SHEET	24 OF 27
DESIGN	D.E.	VAULT NO.	
CHECKED	N.N.		<b>9170</b>



D2 CITY STANDARD ELECTROLIER TYPE I  
A N.T.S.



D2 TRAFFIC ISLAND DETAIL  
B N.T.S.



D2 DECOMPOSED GRANITE DETAIL  
C N.T.S.

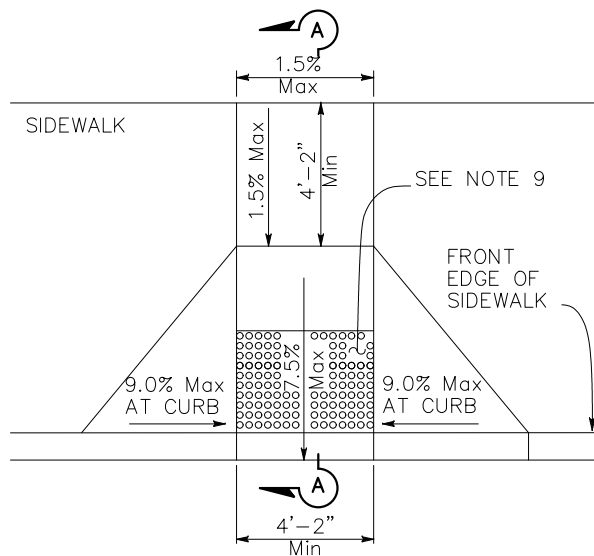
REVISIONS	



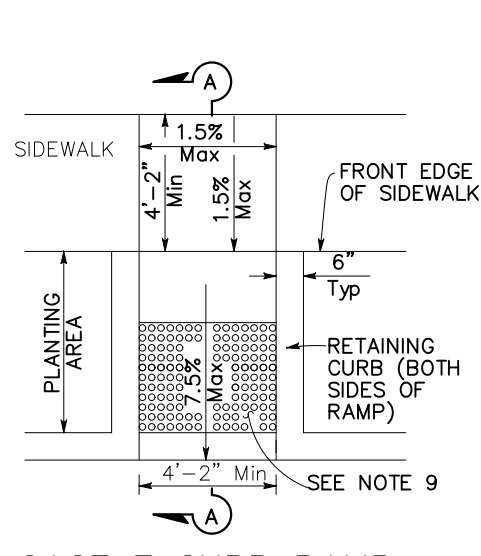
CITY OF  
**SANTA CRUZ**  
PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT  
DETAIL 2

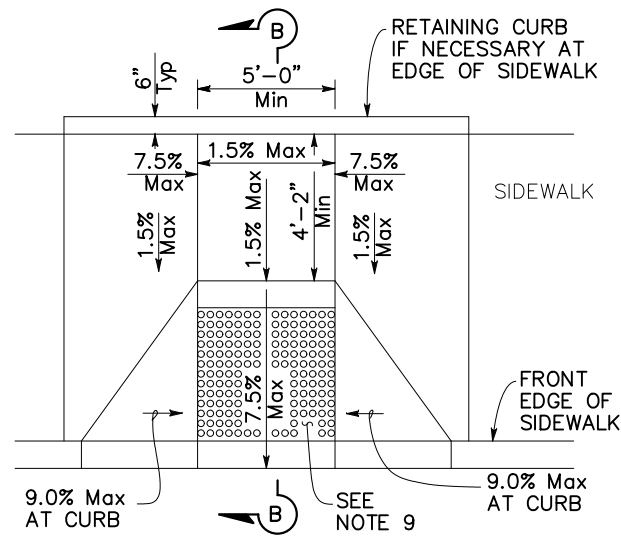
REFERENCES	DATE	SCALE
FIELD BOOK: #	11/4/2019	AS SHOWN
DRAWING #: #	D.E.	SHEET 25 OF 27
	D.E.	VAULT NO.
	N.N.	9170



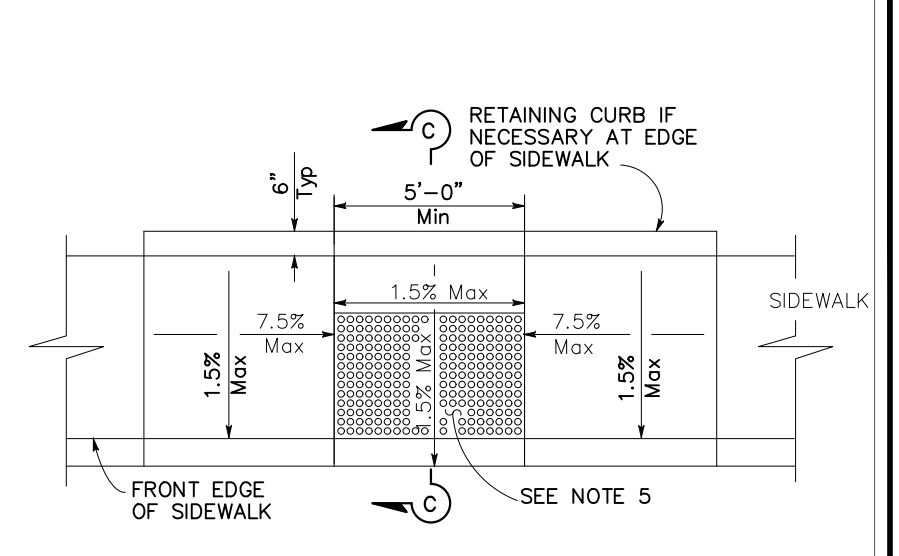
CASE A CURB RAMP



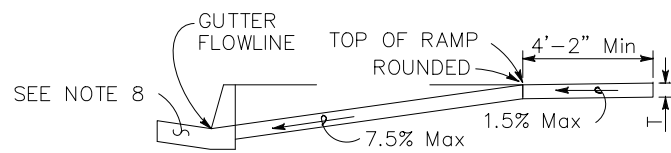
CASE F CURB RAMP



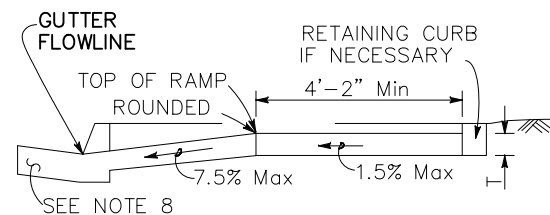
CASE B CURB RAMP



CASE C CURB RAMP

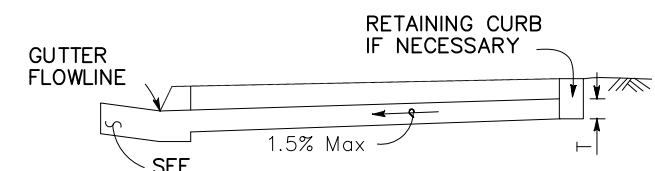


SECTION A-A



SECTION B-B

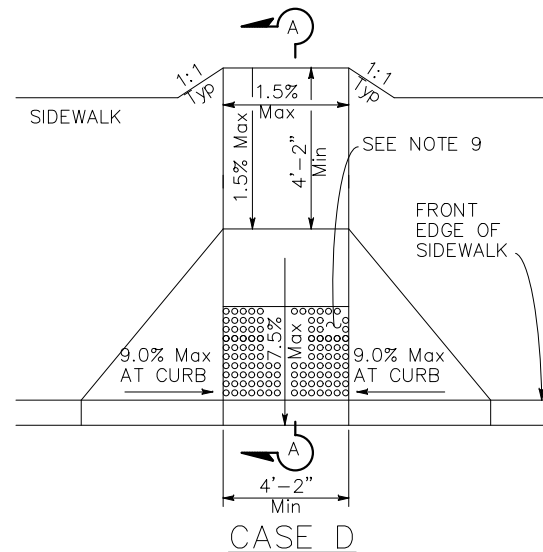
Depress entire sidewalk as required



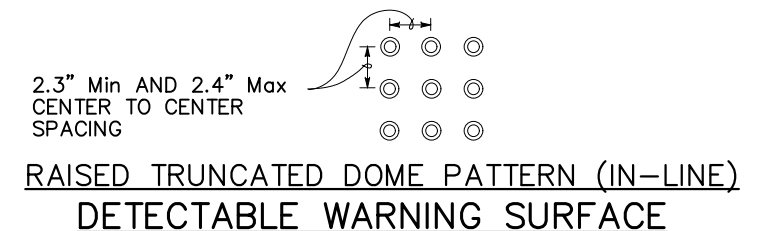
SECTION C-C

NOTES:

1. If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-2".
2. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
3. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
4. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1:20 (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
5. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. A 4'-0" wide detectable warning surface may be used on a 4'-2" wide curb ramp. Detectable Warning Surfaces shall conform to the requirements in the Standard Specifications.
6. Sidewalk and ramp thickness, "T", shall be 3 1/2" minimum.
7. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade.
8. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining full detectable warning width and depth.



CASE D



RAISED TRUNCATED DOME

D3 CURB RAMP DETAIL  
A N.T.S.

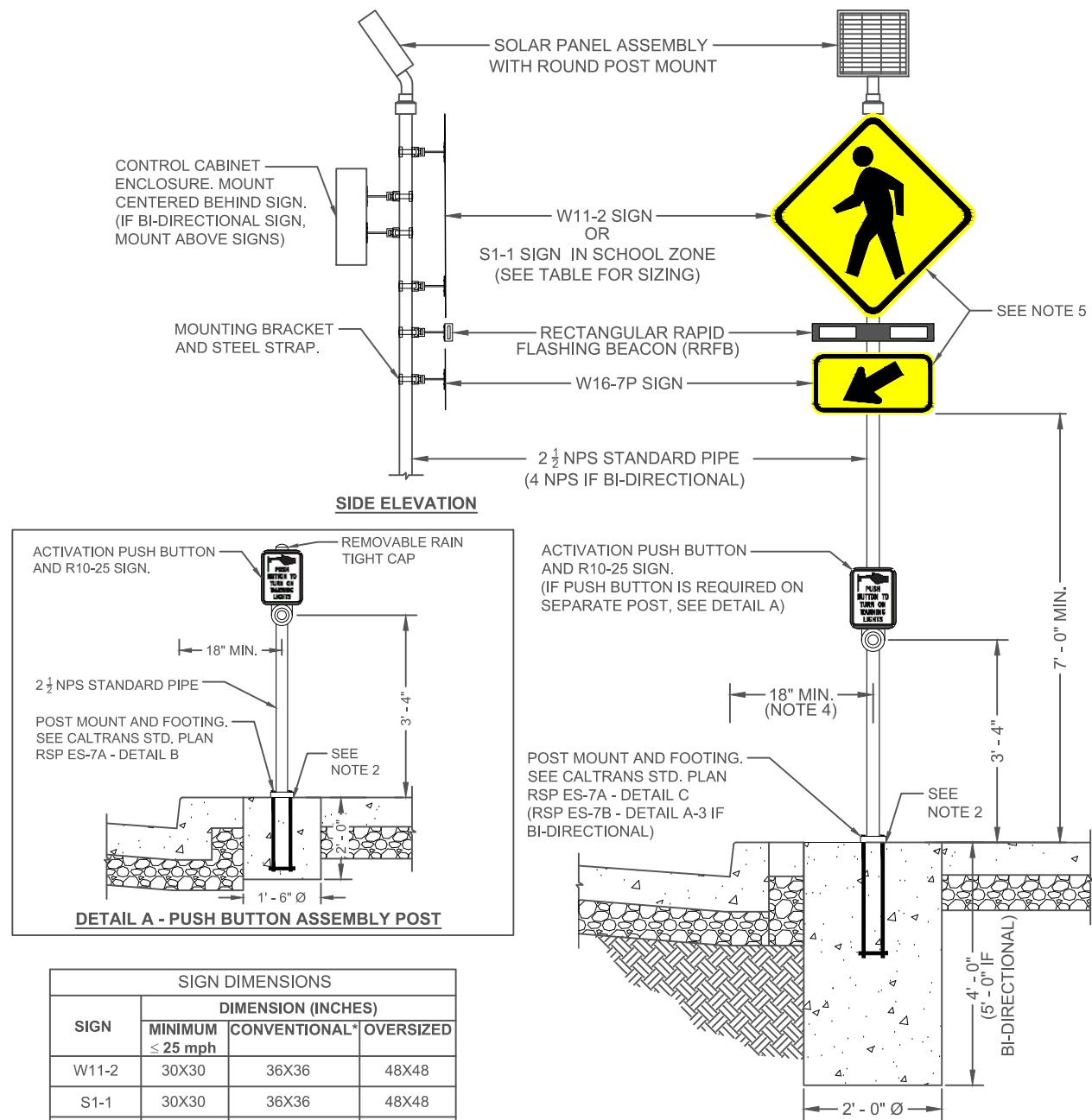
REVISIONS	



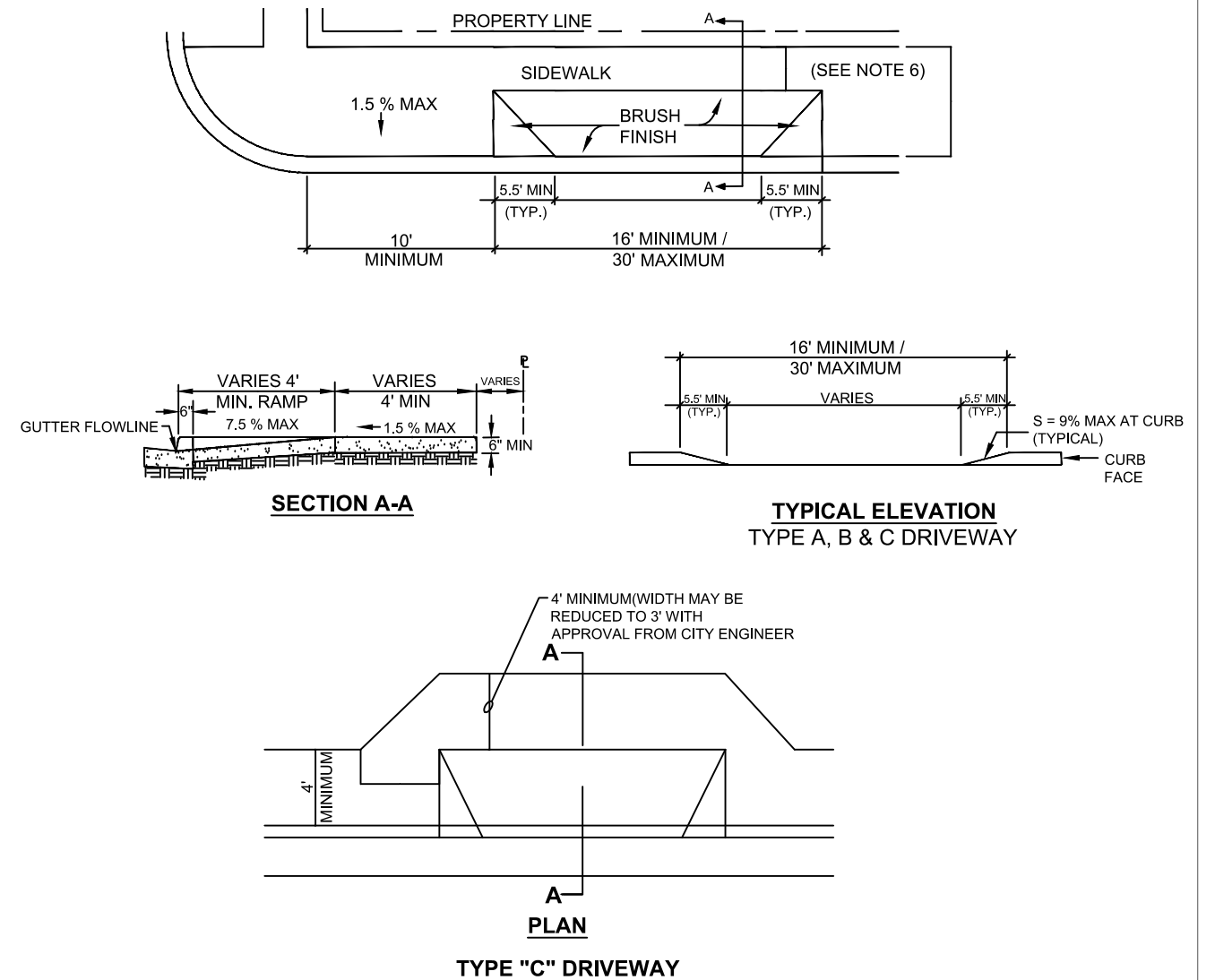
CITY OF  
**SANTA CRUZ**  
PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT  
DETAIL 3

REFERENCES	DATE	SCALE
FIELD BOOK: #	11/4/2019	AS SHOWN
DRAWING #: #	D.E.	SHEET 26 OF 27
	D.E.	VAULT NO.
	N.N.	9170



D4 RECTANGULAR REFLECTIVE BEACON DETAIL  
A N.T.S.



- NOTES:**
- SIDEWALK AREA ADJACENT TO DRIVEWAY APPROACH SHALL HAVE A ≤ 1.5% CROSS SLOPE
  - ALL CONCRETE TO BE SIX SACK, CLASS "A" CONCRETE.
  - ALL CONCRETE SHALL BE REINFORCED WITH #4 BARS AT 18" O.C. BOTH WAYS OR WELDED WIRE MESH 4"x4" W4XW4
  - MAINTAIN 2" OF COVER FOR REINFORCEMENT.
  - WIDTH MAY BE REDUCED TO 3' WITH APPROVAL FROM THE CITY ENGINEER.

D4 DRIVEWAY APPROACH DETAIL  
B N.T.S.

REVISIONS	



CITY OF  
**SANTA CRUZ**  
PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201  
Santa Cruz, CA 95060

HSIP 8: CITYWIDE PEDESTRIAN  
CROSSING IMPROVEMENT PROJECT  
DETAIL 4

REFERENCES	DATE	SCALE
FIELD BOOK: #	11/4/2019	AS SHOWN
DRAWING #: #	D.E.	SHEET 27 OF 27
	D.E.	VAULT NO.
	N.N.	9170

**CITY OF SANTA CRUZ  
ALL-WAY STOP WARRANTS**

INTERSECTION of Chase and Fair DATE 11/6/2019  
BY Kenny Jatho

**WARRANT 1 - TRAFFIC COLLISION EXPERIENCE**

For traffic collisions that are susceptible to correction by all-way STOP control during the previous one year period prior to survey, three points are assigned for each traffic collision. 0 Points  
Maximum 15 points.

Traffic Collisions = 0

**WARRANT 2 - UNUSUAL CONDITION**

Where an unusual condition exist, e.g. school, fire station, playground, steep hill, visibility, points are assigned on the basis of engineering judgment. For visibility, the safe stopping distance is 150 feet for 25 mph speed zone. Maximum 5 points.

4 Points

offset intersection School = 1  
visibility = 2

**WARRANT 3 - FOUR HOUR VOLUME** 10/16/2019 (Wednesday) 1:30-5:30

Major Street 3 Points  
Minor Street 1 Points

Where vehicles enter the intersection from both major street approaches and the highest volume minor street approach during the highest four hours of an average day, points are assigned by volume. Maximum 15 points.

Major Street Approaches		Highest Volume Minor Street Approach	
4-Hour Volume	Points	4-Hour Volume	Points
0 - 400	0	0 - 200	<u>0</u>
401 - 600	<u>1</u>	201 - 300	1
601 - 800	2	301 - 400	2
801 - 1000	3	401 - 500	3
1001 - 1200	4	501 - 600	4
1201 - 2600	5	601 - 700	5
2601 - 2900	4	701 - 800	6
2901 - 3200	3	801 - 900	7
3201 - 3500	2	901 - 1000	8
3501 - 3800	1	1001 - 1100	9
3801 - Over	0	1101 - Over	10

Major Street: Fair Ave Minor Street: Chase/Alta  
4-Hour Volume = 570 4-Hour Volume = 81

**WARRANT 4 - VOLUME DIFFERENCE** 10/16/2019 (Wednesday) 1:00 pm - 2:00 pm

0 Points

All-way STOP operate best where the major street approach volume and the minor street approach volume are nearly equal. Volume difference is the volumes at the major street approaches less double highest volume minor street approach during the peak hour, when points are be assigned by the volume difference. Maximum 10 points.\*

Volume Difference	Points
0 - 150	10
151 - 300	9
301 - 450	8
451 - 600	7
601 - 750	6
751 - 900	5
901 - 1050	4
1051 - 1200	3
1201 - 1350	2
1351 - 1500	1
1500 - Over	0

\* This is not applicable unless the sum of the major street approaches and double the highest volume minor street approach is greater than 750 during the peak hour.

161 + 42 = 203 > 750  
Major Street Approaches Double Highest Volume Minor Street Approach

- Applicable
- Not Applicable

Volume Difference 2.32 Major Street Approaches Double Highest Volume Minor Street Approach  
TE - 223 305



2 Points

**WARRANT 5 - PEDESTRIAN VOLUME**

Where pedestrians cross the major street during the peak hour, points are assigned by volume.  
Maximum: 5 points.

Pedestrian Volume	Points
0 - 10	0
11 - 20	1
21 - 30	2
31 - 40	3
41 - 50	4
51 - Over	5

Pedestrian Volume 2

The maximum score is 50 points. The installation of a all-way STOP control is justified with a minimum score of 15 points.

6 Total Points

SATISFIED YES  NO

**AIR QUALITY AND ENERGY IMPACTS**

The installation of all-way STOP will have an air quality impact by increasing vehicle emissions and an energy impact by increasing fuel consumption. Major pollutants in vehicle emissions are carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NOX).

Daily Volume Increase of Stopped Vehicles = 1787

	Increase Per Day
CO (13 lb/1000 stops) *	<u>23.23 lb</u>
HC (1.0 lb/1000 stops) *	<u>1.79 lb</u>
NOX (1.1 lb/1000 stops) *	<u>1.97 lb</u>
Fuel Consumption (7.5 gal/1000 stops) *	<u>13.40 lb</u>

\*Based on 25 mph speeds.

	Increase Per Year
Vehicle emissions (lb)	<u>9,851 lb p/y</u>
Fuel consumption (gal)	<u>4,891 gal p/y</u>



CITY OF SANTA CRUZ  
TRANSPORTATION AND PUBLIC WORKS  
COMMISSION  
AGENDA REPORT

DATE: November 5, 2019

AGENDA OF: November 18, 2019

DEPARTMENT: Public Works

SUBJECT: 2020 Calendar of Transportation and Public Works Commission Meetings

RECOMMENDATION: That the Transportation and Public Works Commission approve the 2020 Meeting Calendar as well as schedule the 2020 Open House date.

BACKGROUND: At its May 14, 2019 meeting, City Council approved the new Transportation and Public Works Bylaw changes that increased the number of meeting from 6 to 10 per year, excluding the months of July and December. The changes also proposed an annual Open House to be scheduled on any of the following 2020 meeting dates. The Transportation and Public Works Commission meetings are held on the third Monday of the following months.

DISCUSSION: Proposed 2020 schedule of meeting dates for the Transportation and Public Works Commission.

January 27*	June 15
February 24*	August 17
March 16	September 21
April 20	October 19
May 18	November 16

\*January and February dates moved forward one week due to the January 20th Martin Luther King, Jr. Holiday and February 17<sup>th</sup> President’s Day Holiday.

FISCAL IMPACT: None.

Prepared by and Submitted by: Scott Ruble, Principal Management Analyst

Attachments:

Transportation and Public Works Commission 2020 Planning Calendar

## Transportation and Public Works Commission • 2020 Planning Calendar

<b>2020</b>	Request Items (titles)	Reports due	Draft Agenda to Chair	Agenda approved by Chair	Agenda mailed and posted	TPWC meeting dates ▼
<b>January</b>	6	10	13	15	17	<b>27</b>
<b>February</b>	3	7	10	12	14	<b>24</b>
<b>March</b>	Feb 25	Feb 28	2	4	9	<b>16</b>
<b>April</b>	Mar 30	3	6	8	13	<b>20</b>
<b>May</b>	Apr 27	1	4	6	11	<b>18</b>
<b>June</b>	May 26	May 29	1	3	8	<b>15</b>
<b>August</b>	Jul 27	Jul 31	3	5	10	<b>17</b>
<b>September</b>	Aug 31	3	4	9	14	<b>21</b>
<b>October</b>	Sep 28	2	5	8	12	<b>19</b>
<b>November</b>	Oct 26	Oct 30	2	4	9	<b>16</b>
<b>TPWC Meets</b>	Date change due to holiday					▲ <b>TPWC meeting dates</b>

**\*July 2020 and December 2020 – No Scheduled Meetings**