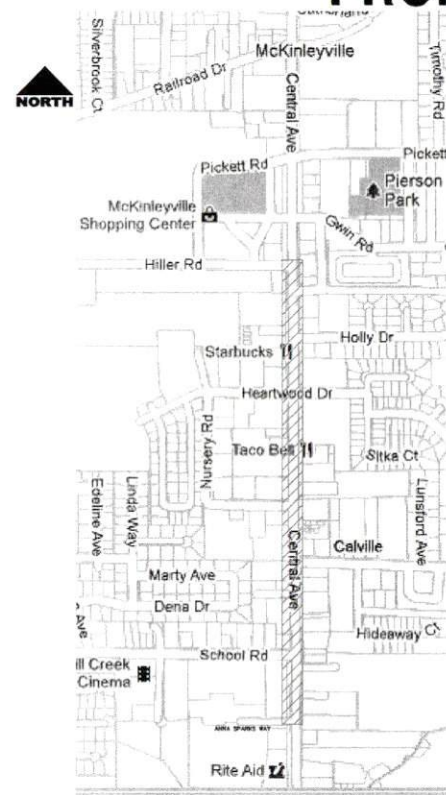
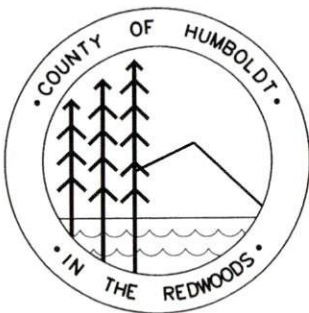
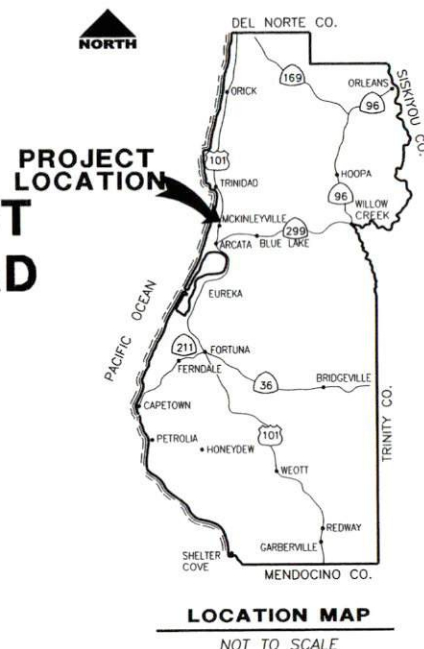




BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NO.: 4L800	DATE: 1/21/2016	DESIGNED BY: JCT	DEPARTMENT OF PUBLIC WORKS	1 OF 13
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NO.: HSIPL-5904 (131)	EA NO.:	DRAWN BY: JCT	CENTRAL AVE SAFETY IMPROVEMENT PROJECT	
	CONTRACT NO.: 213003	PPNO.:	REVIEWED BY: RLB	COVER SHEET, SHEET INDEX AND DETAILS	
	L:\PROJECTS\213003\SI\HSIPL5904.DWG		APPROVED BY: TRS		
	PLOT DATE: 1/21/2016				

**COUNTY OF HUMBOLDT**  
**DEPARTMENT OF PUBLIC WORKS**  
**PROJECT PLANS FOR CONSTRUCTION OF**  
**CENTRAL AVENUE (4L800)**  
**HIGHWAY SAFETY IMPROVEMENT PROJECT**  
**FROM ANNA SPARKS WAY TO HILLER ROAD**  
**PROJECT NO.: HSIPL-5904 (131)**  
**CONTRACT NO.: 213003**



**INDEX OF SHEETS**

- 1 COVER SHEET, SHEET INDEX AND DETAILS
- 2 CONSTRUCTION AREA SIGNS, SURVEY CONTROL AND DETAILS
- 3 QUANTITIES, TYPICAL SECTIONS, AND DETAILS
- 4-6 CENTRAL AVE. PLAN VIEWS
- 7 ISLAND DETAILS
- S1-S4 SIGN AND STRIPING PLANS & DETAILS
- D1-D2 ADA STANDARD DETAILS

**NOTES**

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.

REFERENCE TO CALTRANS STANDARD PLANS DATED 2010

REFERENCE TO TITLE 2: UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) OR ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

**DESIGN DESIGNATION**

DESIGN SPEED: 35 MPH (POSTED) ADT = 19,500 (JULY, 2007)

**RECOMMENDED**

*Julian Gayheart Tilles* 2/16/2016  
 JULIAN GAYHEART TILLES DATE  
 RCE 76433, EXP. 12/31/2016



**APPROVED**

*Tony R. Segretti* 2/16/16  
 TONY R. SEGRETTI DATE  
 RCE 63714, EXP. 9/30/2016



ORIGINAL LOW BID PRICE	CONSTRUCTED BY PROJECT COMPLETED	RESIDENT ENGINEER CONSTRUCTION COST \$
------------------------	----------------------------------	--



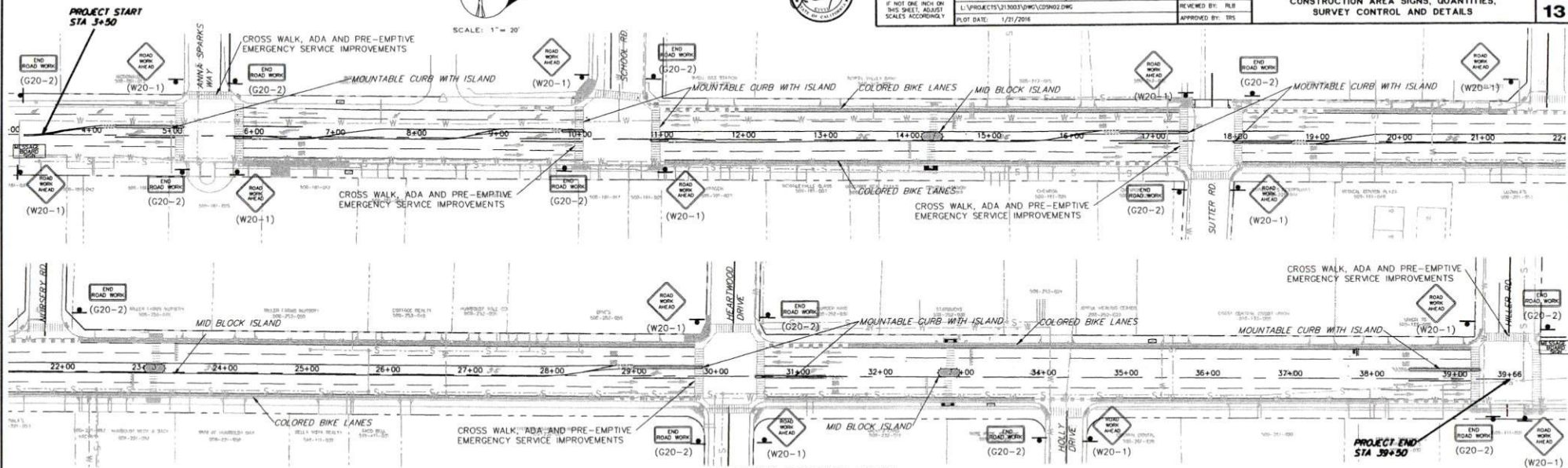
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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 CONTRACT NO: 213003  
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 PLOT DATE: 1/21/2016

DATE: 1/21/2016  
 DESIGNED BY: JCT  
 DRAWN BY: JCT  
 REVIEWED BY: FLB  
 APPROVED BY: TRS



SCALE: 1" = 20'



TRAFFIC CONTROL PLAN

1" = 200' ±

**CONSTRUCTION AREA SIGN SUMMARY**

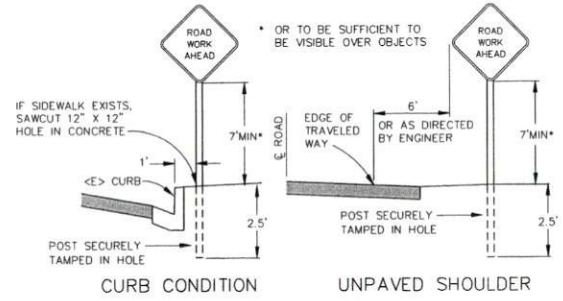
SIGN TYPE	QTY	DESCRIPTION	SIZE	REMARKS	POST SIZE	NUMBER
W20-1	13	ROAD WORK AHEAD	36" x 36"	VISIBLE AT ALL TIMES	4" x 4"	1
G20-2	13	END ROAD WORK	36" x 18"	VISIBLE AT ALL TIMES	4 x 4	2

**SURVEY CONTROL & MONUMENT COORDINATES**

Point #	Northing	Easting	Elevations	Description
2	590376.1	1414622	57.43	1-4CORMON1-6
3	587578.3	1419930	184.71	1-FDMAGNAIL-donotuse
4	587530	1419900	185.9	CLMONLID
5	590290.1	1417246	124.1	2"BCIPC4COR
32	590380.1	1414652	58.24	ALCAPLS3118REBAR
33	590490.7	1414635	57.71	ALCAPLS3945
34	590575.6	1414641	57.13	ALCAPREBARLS3945
35	590575.2	1414652	57.38	1-2GIPLS3797
36	590730.2	1414657	55.91	1-2GIPLS3797
38	591298.9	1414672	60.02	3-4IPLS3797WTAC
39	591706.9	1414672	62.89	CP39RRSPIKEWPNC
40	591430.9	1414675	60.65	34GIPLS37XXWTAC
41	591562.9	1414679	61.6	34GIP-ILLEGIBLEPLUG
42	592155	1414691	64.68	CP42RRSPIKEWPNC
43	592974	1414652	67.5	CP43RRSPIKEWPNC
44	593040	1414694	67.21	3INBRSCAPSECCOR
45	591708	1414658	61.87	N1/16IRONROD1.SIN
50	590575.6	1414641	57.18	PROP..COR.
51	590344.9	1415616	58.81	STN.3.P.K..N
52	590258.9	1417264	123.83	CPH&T
53	590367.9	1415332	57.88	PROPIPIE
54	590370.4	1415255	57.28	PROPIPIE
55	590120.2	1417244	126.1	PROPIPIE
56	590046.1	1417243	126.13	PROPIPIE
57	590282.7	1417752	139.58	PROPIPIE
58	590252	1417403	129.27	PROPIPIE
59	590250.8	1417374	129.39	PROPIPIE
60	590359.9	1414596	58.41	PROP..COR.

**NOTES**

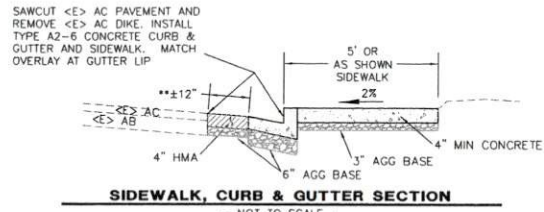
- SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
- MESSAGE BOARD SIGNS TO BE PAID FOR AS PART OF TRAFFIC CONTROL SYSTEM.
- SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
- IN ADDITION TO CONSTRUCTION AREA SIGNS AND WHEN DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGMEN AS NECESSARY TO DIRECT TRAFFIC.
- DISTANCE TO W20-1 AND G20-2 MAY BE EXTENDED TO ENCOMPASS SITES WITHIN ONE MILE OF EACH OTHER.



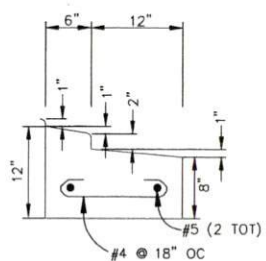
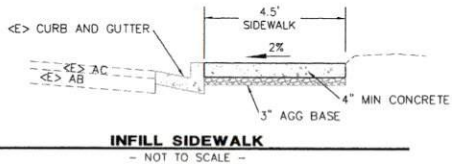
- PLACE SIGNS BEHIND SIDEWALK, IF POSSIBLE.

**URBAN CONSTRUCTION AREA SIGN**

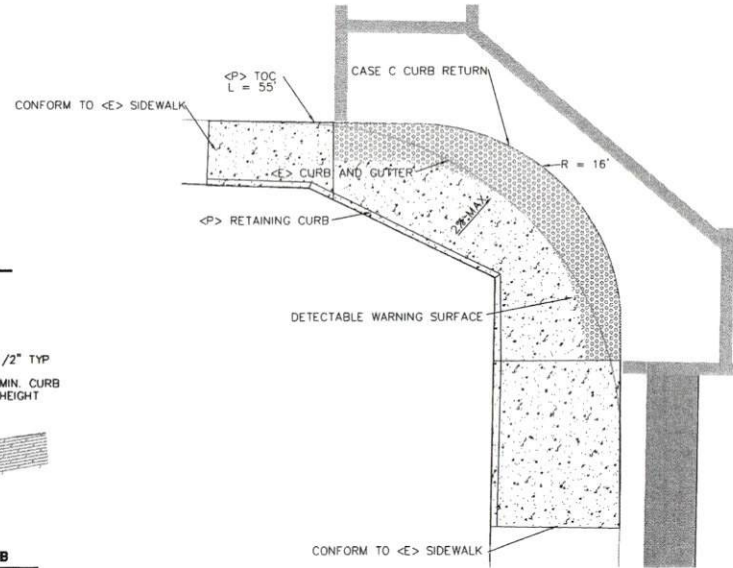
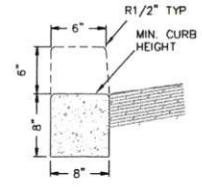
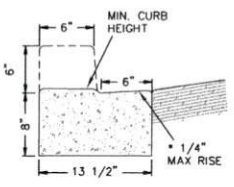
- NOT TO SCALE -



\*\* ADJUST SAWCUT WIDTH AS NECESSARY TO ENSURE ROADWAY DRAINAGE INTO GUTTER.



\* NOTE: GUTTER OUTSLOPED AT PEDESTRIAN ISLANDS



**QUANTITIES**

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
1	74016	Construction Site Management	LS	1
2	74017	Prepare Water Pollution Control Program	LS	1
3	74032	Temporary Concrete Washout Facility (Portable)	EA	2
4	74038	Temporary Drainage Inlet Protection	EA	10
5	120090	Construction Area Signs	EA	26
6	120100	Traffic Control System	LS	1
7	150714	Remove Thermoplastic Striping	LS	1
8	150715	Remove Thermoplastic Marking	LS	1
9	150722	Remove Pavement Markers	LS	1
10	190101	Roadway Excavation	CY	250
11	260201	Class 2 Aggregate Base (CY)	CY	195
12	390132	Hot Mix Asphalt (Type A, 1/2" mix)	Ton	25
13	562001	Roadside Sign (Yield Here to Pedestrians, Pedestrian Cro	EA	6
14	562001 S	Roadside Sign (RRFB with Pedestrian Sign W11-2)	EA	9
15	730070	Detectable Warning Surface	SF	643
16	731502	Minor Concrete (Mountable Curb with islands)	CY	85
17	731502	Minor Concrete (Midblock Crossings)	CY	18
18	731502	Minor Concrete (Sidewalk, Curb & Gutter, Driveway)	CY	18
19	731519	Minor Concrete (Stamped)	SF	1300
20	731623	Minor Concrete (Curb Ramp)	CY	48
21	840501	4" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	19614
22	840501	6" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	6538
23	840501	8" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	900
24	850111	Pavement Markers (Reflective)	EA	511
25	840515	Enhanced Wet Night Thermoplastic Pavement Marking	SF	8215
26	840661 S	Colored Bicycle lanes	SF	19106
27	861501 S	GTT/Opticom Traffic Light System (8 intersections)	LS	1
28	861501	Opticom IR/GPS vehicle Lmitter	EA	8
29	861502 S	Modify Signal (Pedestrian Push Button)	LS	40
30	999990	Mobilization	LS	1

ADDITIVE OPTION A				
1	152440	Opticom Interface Panel (extra phases)	EA	8

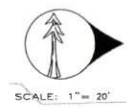
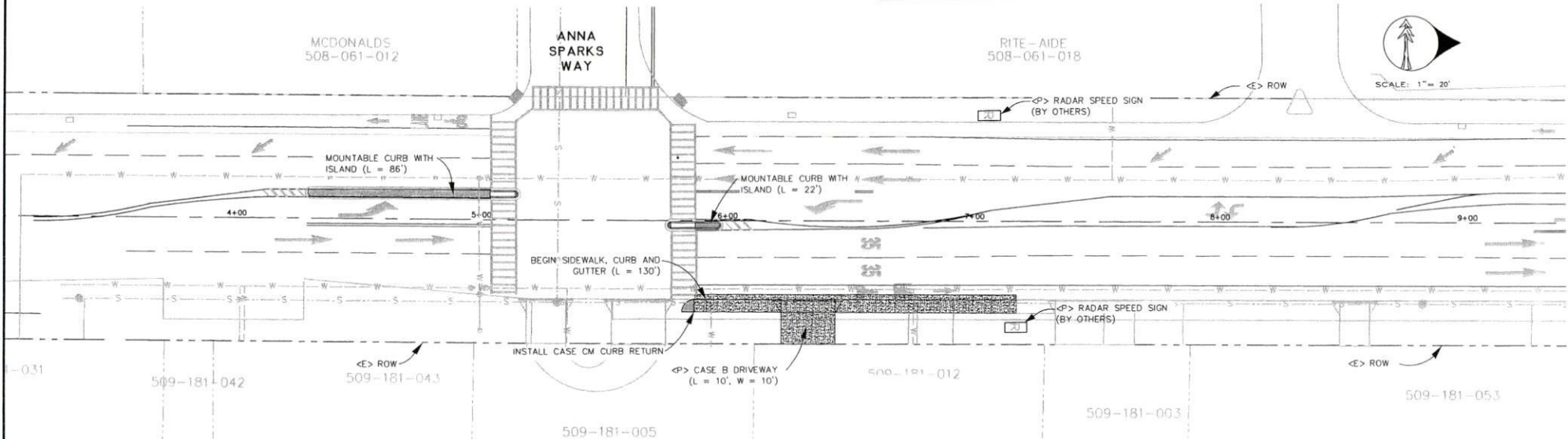
ADDITIVE OPTION B				
1	378000	Traffic Control System	LS	1
2	378000	Accelerated Cure Slurry Seal	SY	33978
3	150714	Remove Thermoplastic Striping	LS	1
4	150715	Remove Thermoplastic Markings	LS	1
5	150722	Remove Pavement Markers	LS	1
6	840501	4" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	2920
7	840501	6" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	1460
8	840501	8" Enhanced Wet Night Thermoplastic Traffic Stripe	LF	300
9	840515	Enhanced Wet Night Thermoplastic Pavement Marking	SF	3330
10	850111	Pavement Marker (Retroreflective)	EA	65



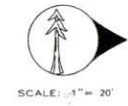
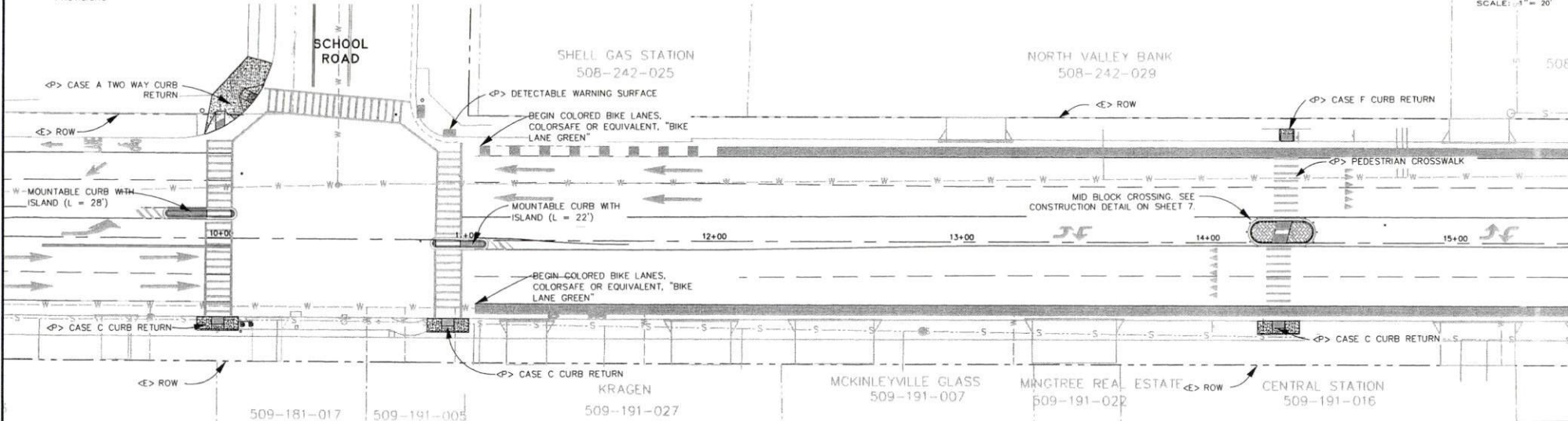
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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PROJECT NO: HSPL-594 (13)	EA NO:	PROJECT NO: 213003	DRAWN BY: JET
CONTRACT NO: 213003	PPNO:	L:\PROJECTS\213003 CENTRAL AVE\VD\903.DWG	REVIEWED BY: RLB
		PLOT DATE: 1/21/2016	APPROVED BY: TMS

DEPARTMENT OF PUBLIC WORKS  
CENTRAL AVE SAFETY IMPROVEMENT PROJECT  
CENTRAL AVENUE  
ANNA SPARKS WAY TO SUTTER ROAD  
PLAN VIEW



- NOTES:
- 1) REMOVE EXISTING STRIPING AND PAVEMENT MARKERS PRIOR TO INSTALLING NEW STRIPING AND MARKINGS.
  - 2) ADJUST AND INSTALL ADA COMPLIANT PEDESTRIAN PUSH BUTTONS AT INTERSECTIONS, AS PER STAN PLANS ES-7A
  - 3) TRAFFIC LIGHTS AT INTERSECTIONS TO BE RETROFITTED FOR OPTICOM PRE-EMPTIVE EQUIPMENT. SEE DETAILS IN SPECIAL PROVISIONS

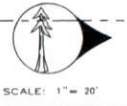
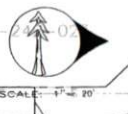
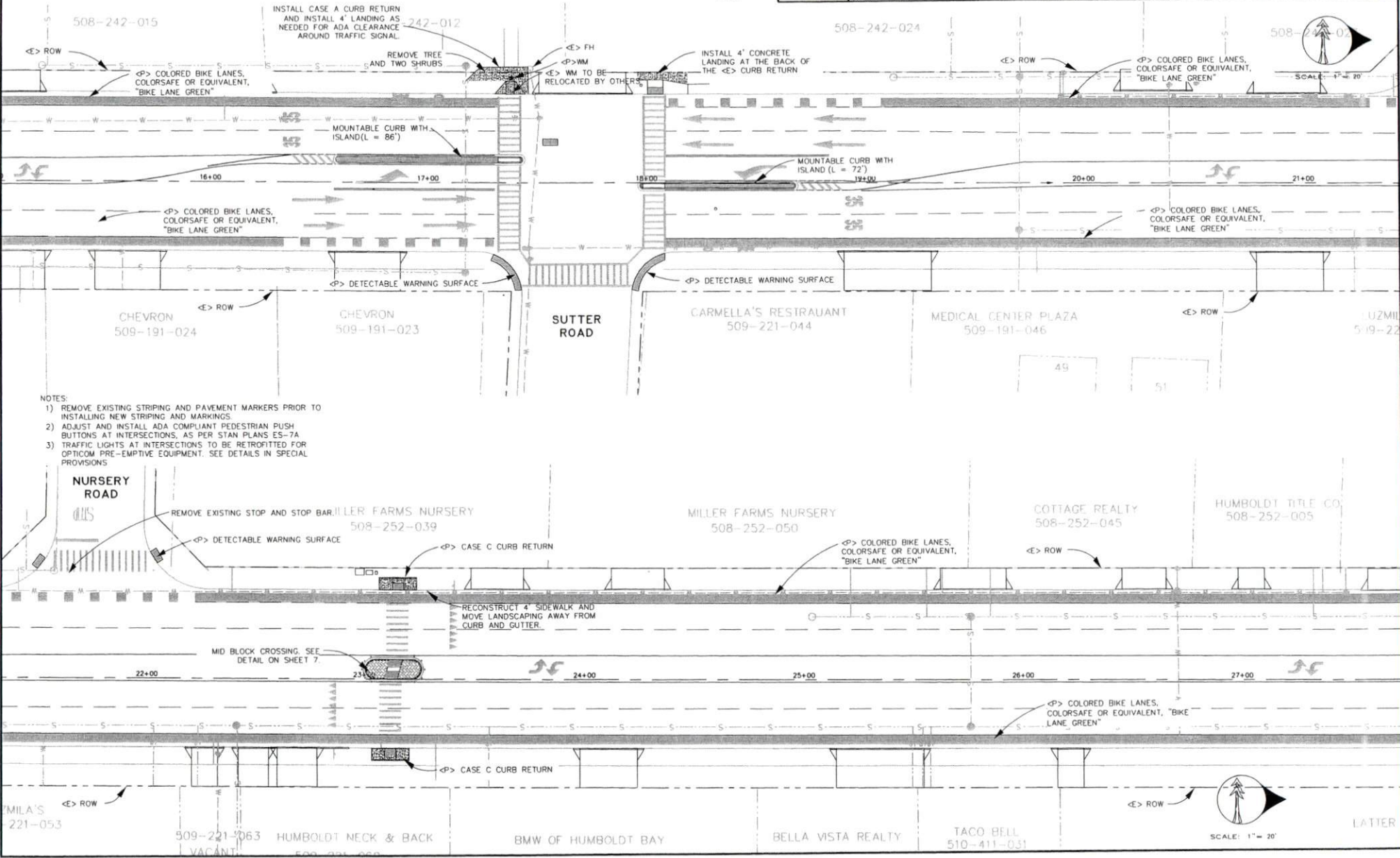




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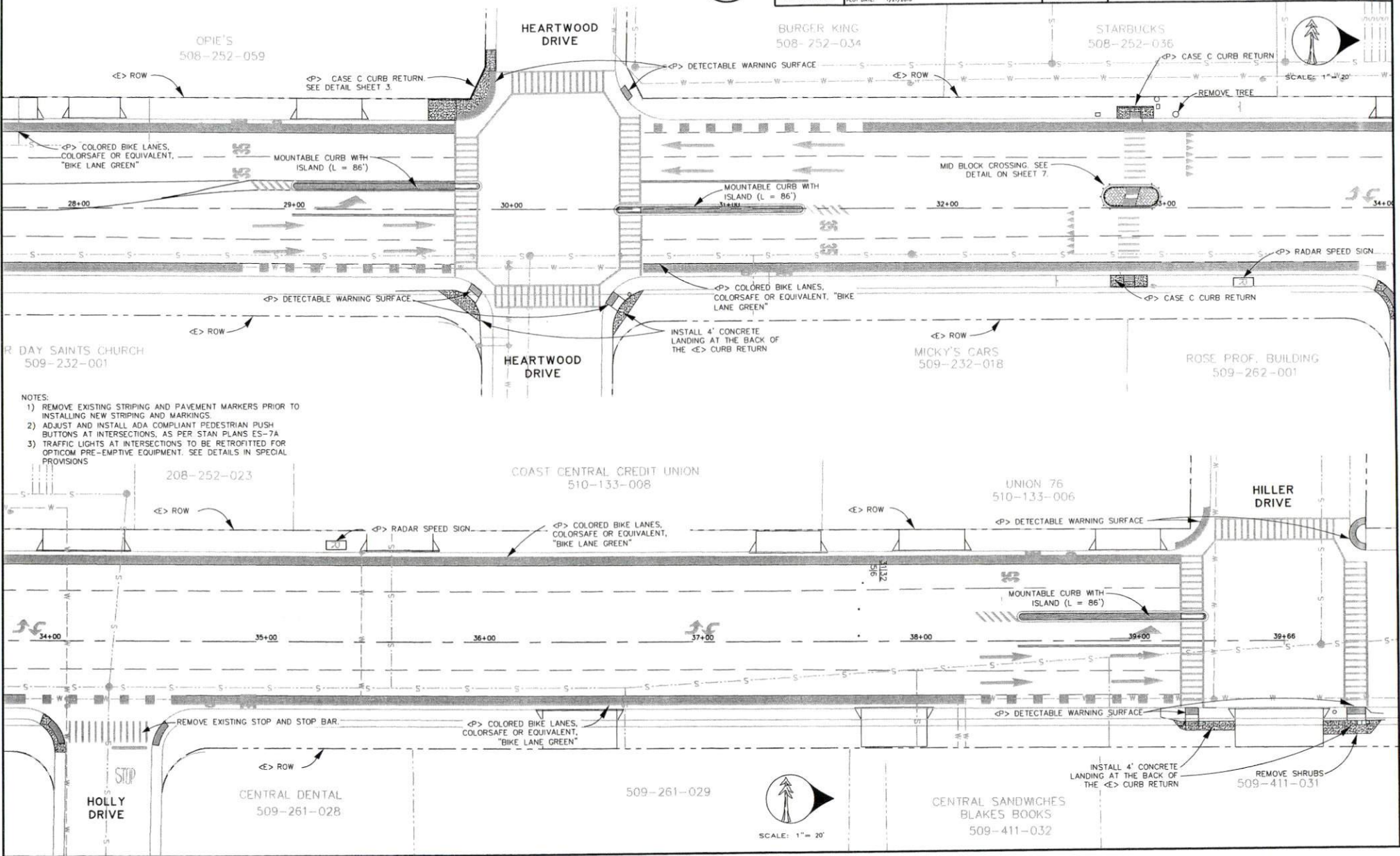
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PROJECT NO.: HSPL-5804 (13)	EA NO.:	DRAWN BY: JST
CONTRACT NO.: 213003	PPNO:	REVIEWED BY: BLB
PROJECTS: 213003 CENTRAL AVENUE V&V CD0903.DWG		APPROVED BY: TRS
PLOT DATE: 1/21/2016		

DEPARTMENT OF PUBLIC WORKS  
**CENTRAL AVE SAFETY IMPROVEMENT PROJECT**  
 CENTRAL AVENUE  
 SUTTER ROAD TO HEARTWOOD DRIVE  
 PLAN VIEW



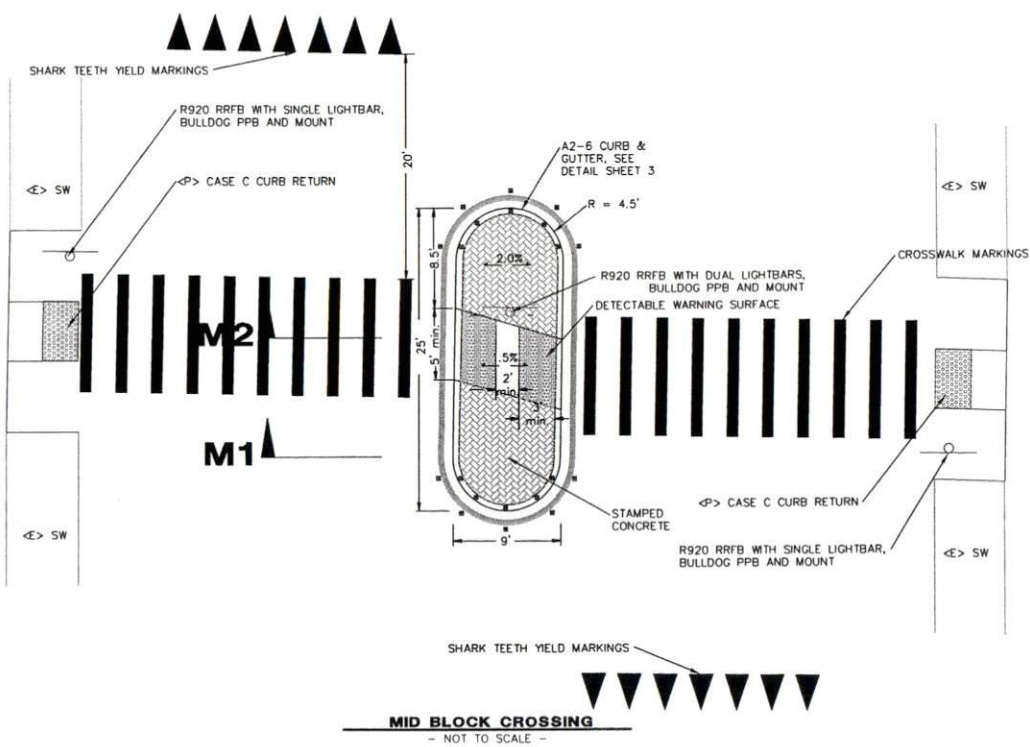
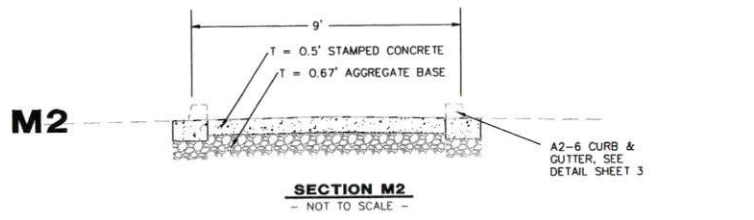
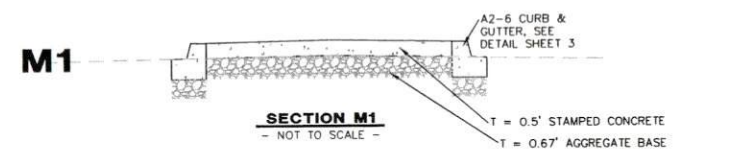
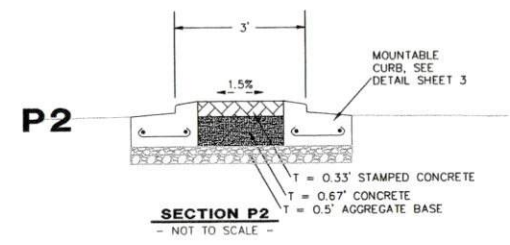
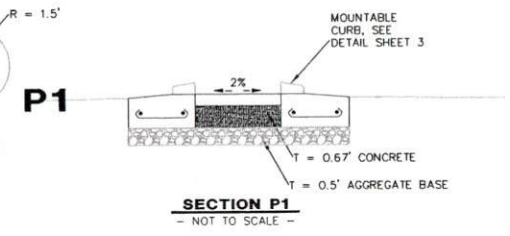
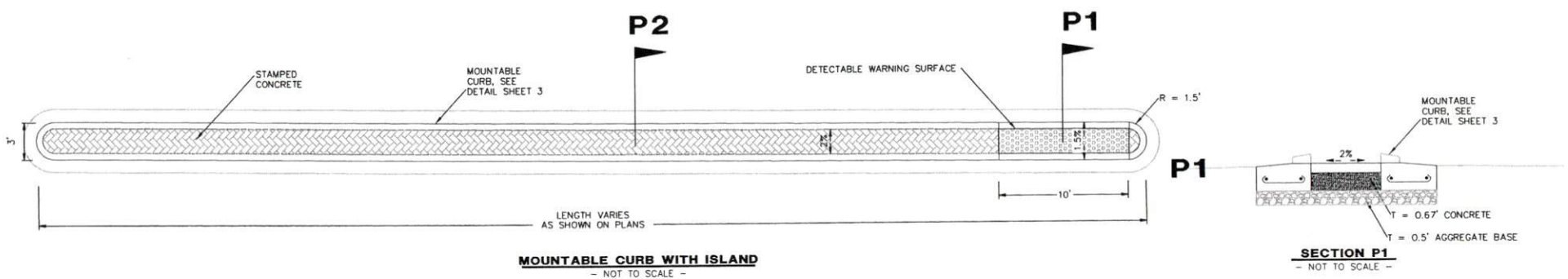


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	PLOT DATE: 1/21/2016		





ALIAS NAME: CENTRAL AVE	ROAD NO: 4800	MILE POST:	DESIGNED BY: RLB
PROJECT NO: HSP1-5904 (13)	EA NO:	PROJECT NO: 213003	CONTRACT NO: 213003
PPHO:	REVIEWED BY: RLB	APPROVED BY: TRS	DATE: 1/27/2016

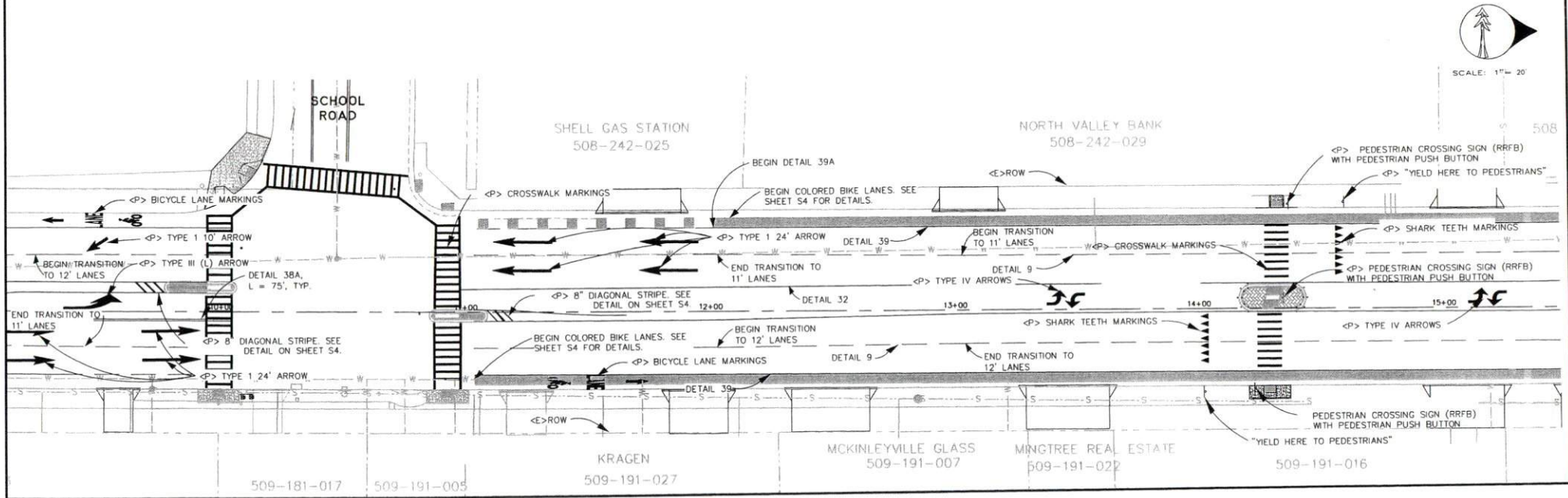
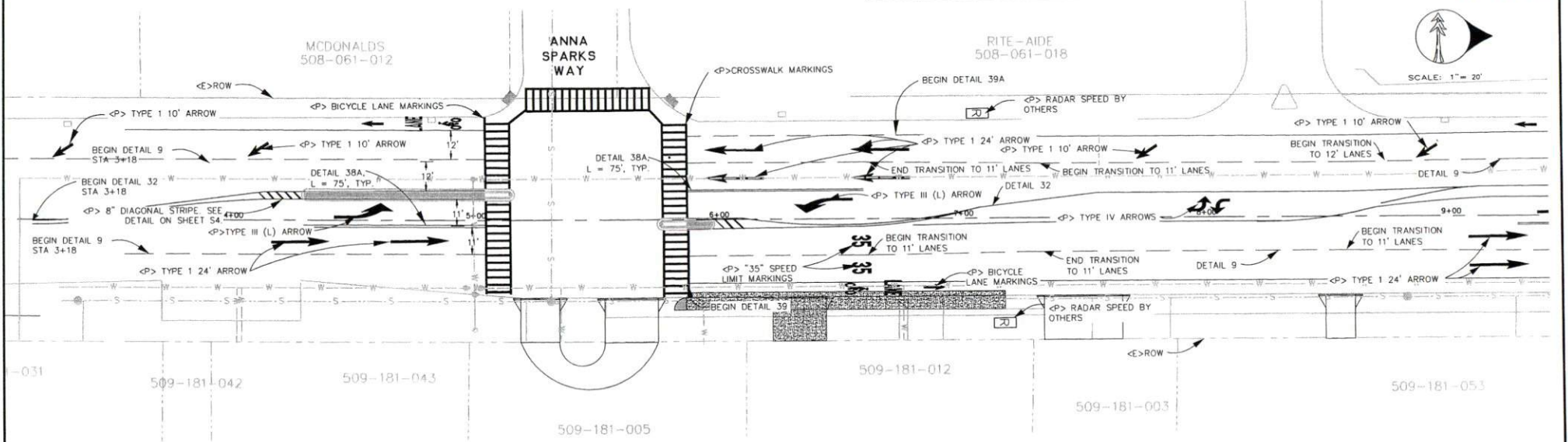




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	PLT DATE: 1/21/2016		APPROVED BY: RLS

DEPARTMENT OF PUBLIC WORKS  
**CENTRAL AVE SAFETY IMPROVEMENT PROJECT**  
 CENTRAL AVENUE  
 ANNA SPARKS WAY TO BUTTER ROAD  
 SIGN AND STRIPING PLAN

S1  
 OF  
 13

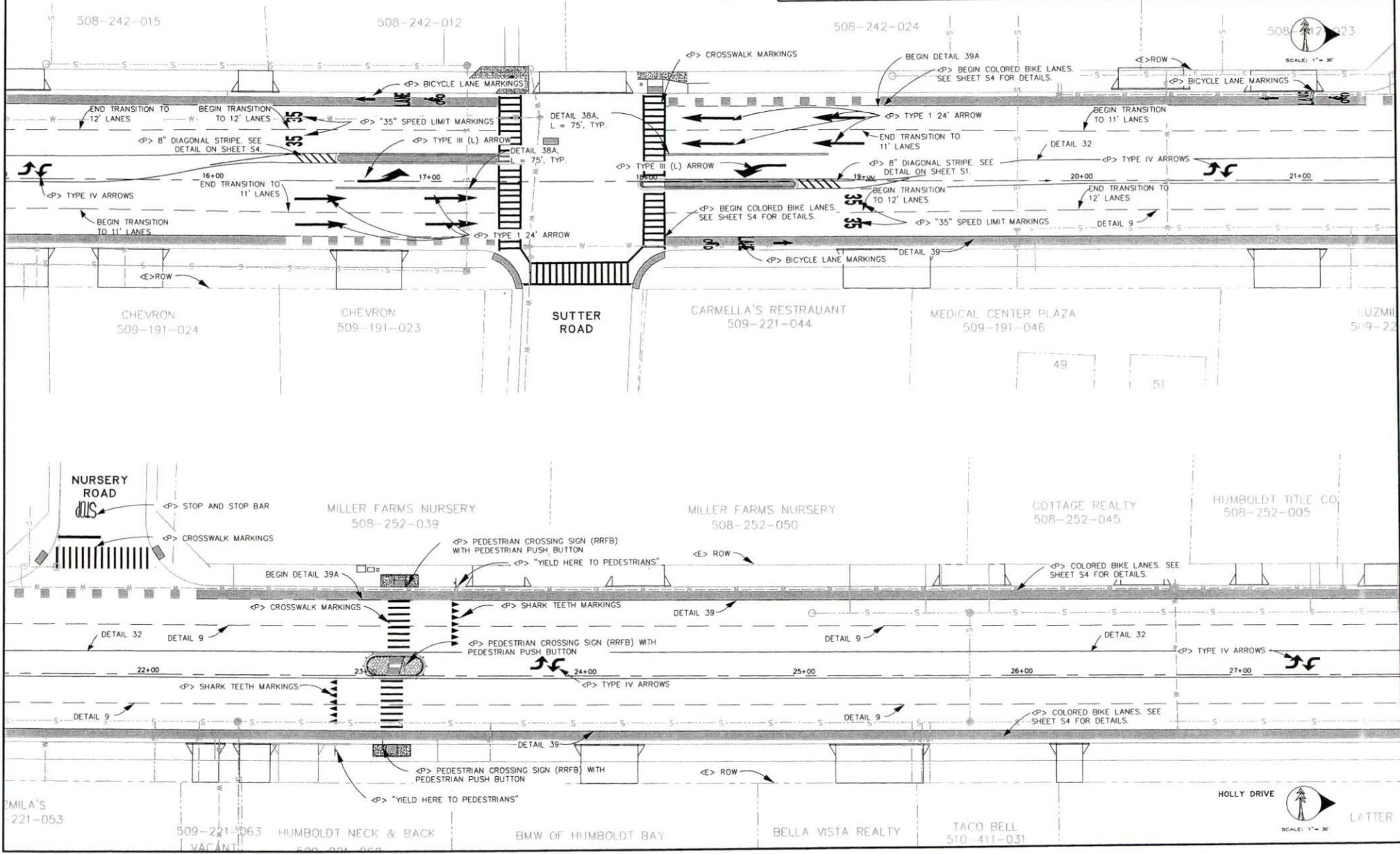




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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	PROJECT NO: HSP/L-5904 (131)	EA NO:	DESIGNED BY: JCT
	CONTRACT NO: 213003	PPNO:	DRAWN BY: JCT
			RECHECKED BY: ALB
			APPROVED BY: TRS
	PLAT DATE: 1/21/2016		

DEPARTMENT OF PUBLIC WORKS  
**CENTRAL AVE SAFETY IMPROVEMENT PROJECT**  
 CENTRAL AVENUE  
 SUTTER ROAD TO HEARTWOOD DRIVE  
 SIGN AND STRIPING PLAN

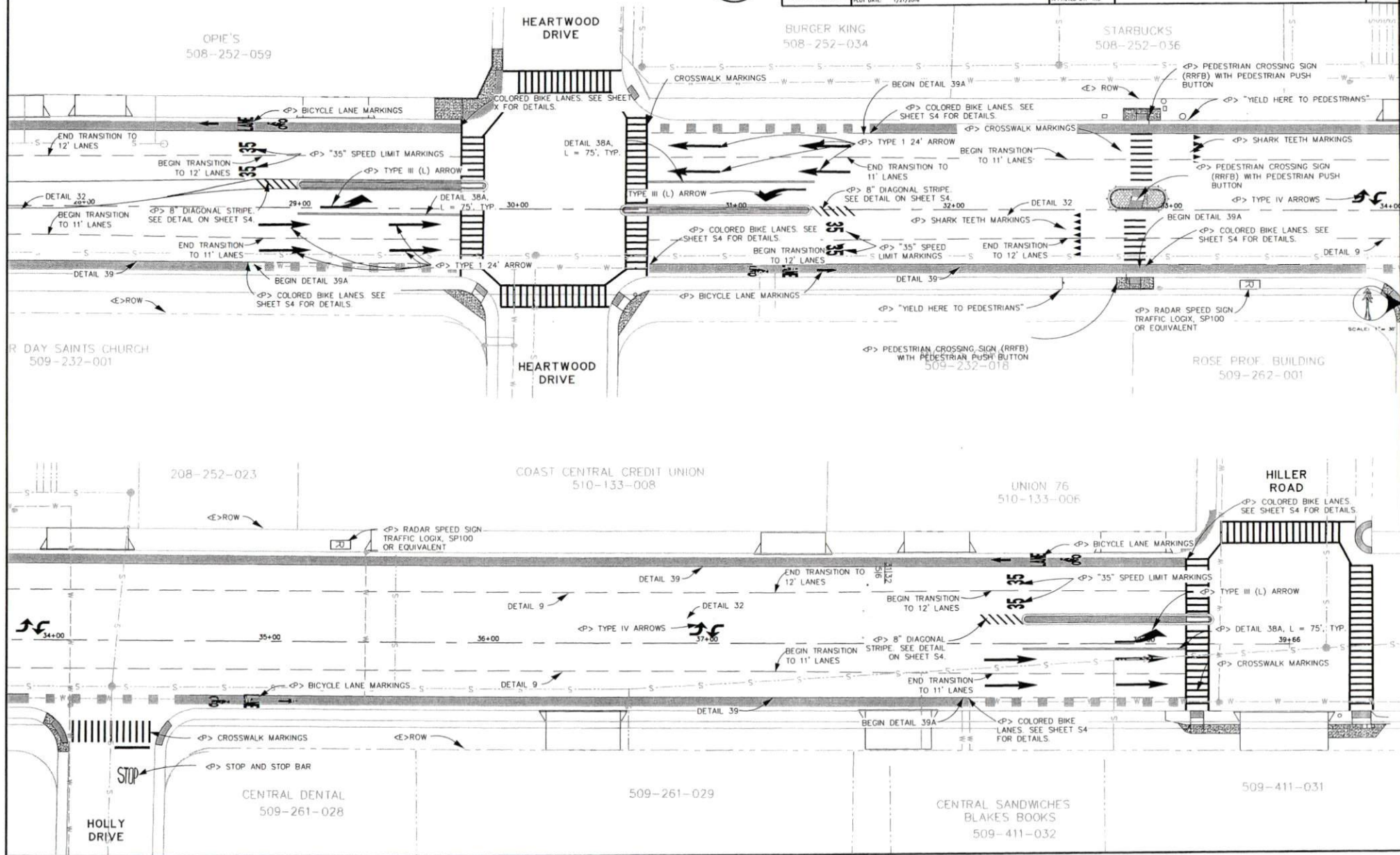
**S2**  
 OF  
**13**





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S3  
OF  
13

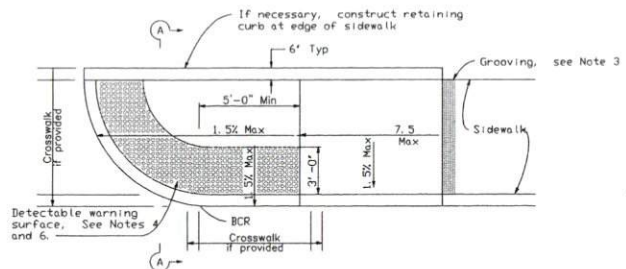




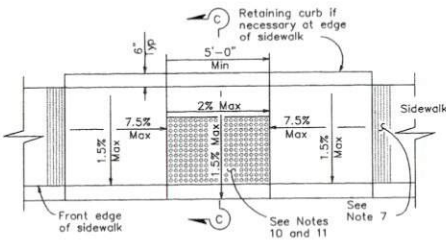


ROAD NAME: CENTRAL AIRMAIL	DESIGN SECTION: ROBERT L. BURNETT
ROAD NO: 4800	EA NO:
PROJECT NO: HSPFL-5804 (13)	PPNO:
CONTRACT NO: 213003	DATE: 1/21/2016
PROJECTS: 213003/PH02/0209-ADA.DWG	APPROVED BY: TRS

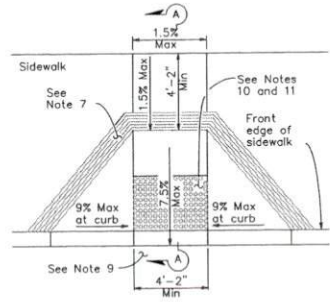
COUNTY OF HAMILTON <b>DEPARTMENT OF PUBLIC WORKS</b> <b>CENTRAL AVE SAFETY IMPROVEMENT PROJECT</b> <b>ADA DETAIL SHEET</b>	<b>D1</b> OF <b>13</b>
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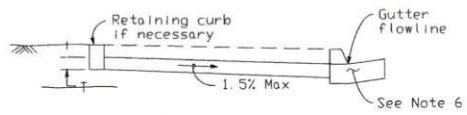
**CASE CM CURB RAMP**



**CASE C**

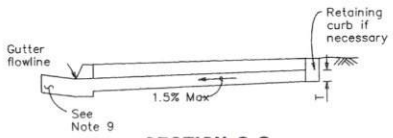


**CASE A**

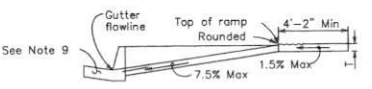


**SECTION A-A**

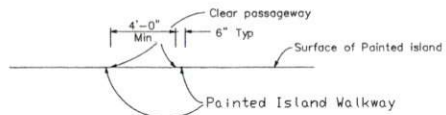
Note: For bulbout type curbs provide end gutter at begin bulbout.



**SECTION C-C**

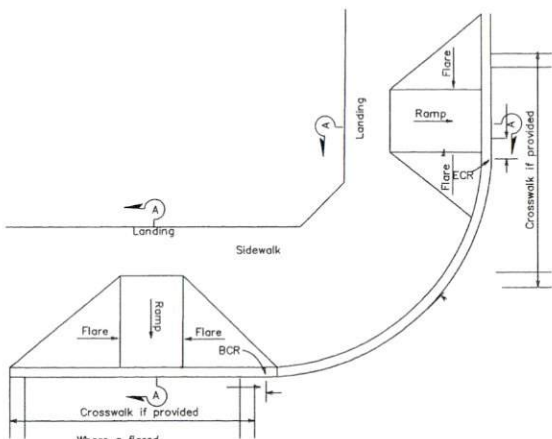


**SECTION A-A**



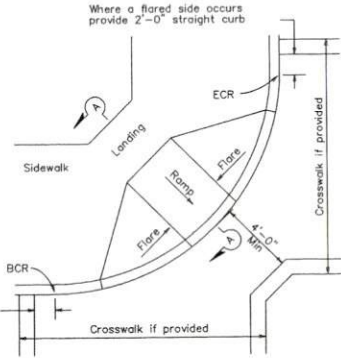
**SECTION B-B**

Where a flared side occurs provide 2'-0" straight curb



**DETAIL B ONE CORNER- CURB RAMP**

SEE NOTES 1 & 3

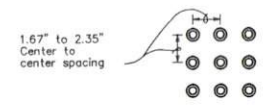


**DETAIL B ONE CORNER- CURB RAMP**

SEE NOTES 1 & 3

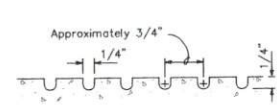
**NOTES:**

- As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
- If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
- When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
- As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
- 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".
- Side slope of ramp flares vary uniformly from a maximum of 9% curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
- The curb ramp shall be outlined, as shown, with a 1'-0" wide border with grooving detail, grooves approximately 3/4" on center. See
- Transitions from ramps and landing to walks, gutters or streets shall be flush and free of abrupt changes.
- Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp or accessible route shall not exceed 1.5% within 4'-2" of the top and 5% within 24" of the bottom of the curb ramp, as per CBC 11B-406.5.B.
- Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable Warning Surfaces shall conform to the details on this plan and the requirements in the Special Provisions.
- The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
- Ramp thickness, "T", shall be 6" minimum.
- Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
- For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.
- Minimum width of passageway through raised islands shall be 1.22 m (4'-2"), except for locations where right of way restrictions, natural barriers, or other existing conditions create an unreasonable hardship, the clear width of the passageway may be reduced to 915 mm (3'-0").
- For details of grooving used with Case CM curb ramp, see Revised Standard Plan RSP AB8A.
- For details of detectable warning surfaces, see Revised Standard Plan RSP AB8A.
- Where an island passage way length is less than 1.8 m (6'-0"), the detectable warning surface shall extend the full width and full depth of the passage way length. Where an island passage way length is greater than or equal to 1.8 m (6'-0"), but less than 2.44 m (8'-0"), a detectable warning surface shall extend the full width and 600 mm (2'-0") depth of the passage way length. Where an island passage way length is greater than or equal to 2.44 m (8'-0"), a detectable warning surface shall extend the full width and 914 mm (3'-0") depth of the passage way length.
- For additional curb ramp details, see Revised Standard Plan RSP AB8A.

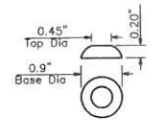


**RAISED TRUNCATED DOME PATTERN (IN LINE) DETECTABLE WARNING SURFACE**

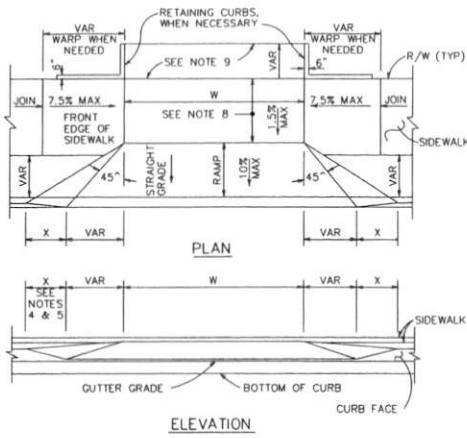
SEE NOTE 10



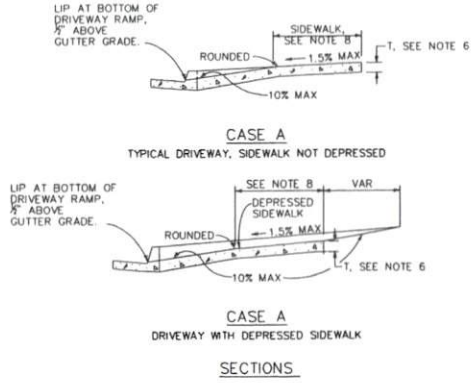
**GROOVING DETAIL**



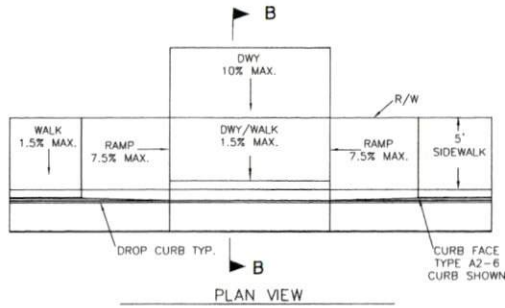
**RAISED TRUNCATED DOME**



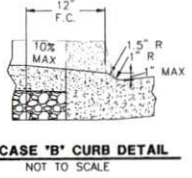
**CASE A DRIVEWAY**  
- NOT TO SCALE -



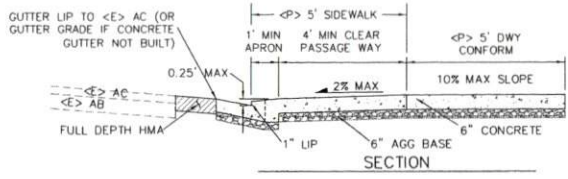
**CASE A DRIVEWAY WITH DEPRESSED SIDEWALK SECTIONS**



**CASE 'B' DRIVEWAY**  
- NOT TO SCALE -



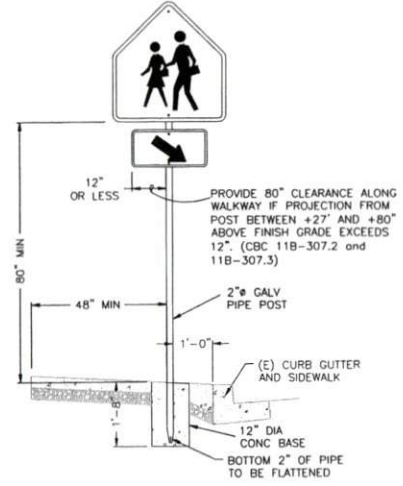
**CASE 'B' CURB DETAIL**  
NOT TO SCALE



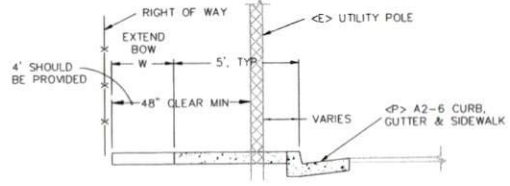
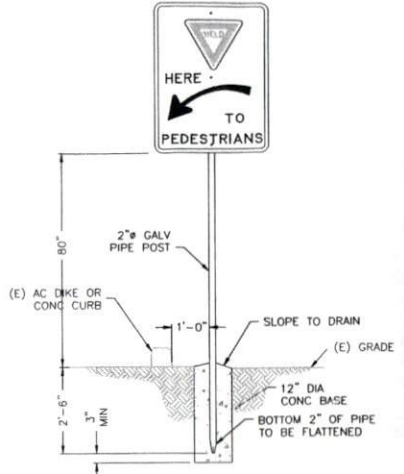
**CASE 'B' DRIVEWAY**  
- NOT TO SCALE -

**DRIVEWAY NOTES:**

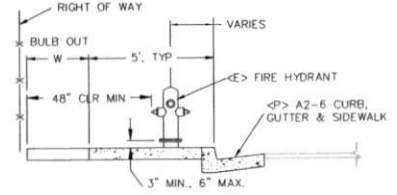
- CASE A DRIVEWAY SECTION TYPICALLY APPLIES.
- USE CASE B DRIVEWAY SECTION WHEN RAMP SLOPES WOULD EXCEED 10% IN CASE A.
- USE CASE B DRIVEWAY SECTION WHEN SIDEWALK CROSS SLOPE WOULD EXCEED 2% IN CASE A.
- X=3'-0" EXCEPT FOR CURB HEIGHTS OVER 10" WHERE 4:1 SLOPES SHALL BE USED ON CURB SLOPE.
- X IS A VARIABLE WHEN SIDEWALK IS LOCATED WHERE WHEELCHAIRS MAY TRAVERSE THE SURFACE. SLOPES SHALL NOT EXCEED 8.33%.
- SIDEWALK AND RAMP THICKNESS "T" AT DRIVEWAY SHALL BE 4" FOR RESIDENTIAL AND 6" FOR COMMERCIAL.
- DIFFERENCE IN SLOPE OF THE DRIVEWAY RAMP AND THE SLOPE OF A LINE BETWEEN THE GUTTER AND A POINT ON THE ROADWAY 5'-0" FROM GUTTER LINE SHALL NOT EXCEED 15% REDUCE DRIVEWAY RAMP SLOPE, NOT GUTTER SLOPE, WHERE REQUIRED.
- MINIMUM WIDTH OF CLEAR PASSAGEWAY FOR SIDEWALK SHALL BE 4'-0".
- RETAINING CURBS AND ACQUISITION OF CONSTRUCTION EASEMENT MAY BE NECESSARY FOR NARROW SIDEWALKS OR CURB HEIGHTS IN EXCESS OF 6".
- ACROSS THE PEDESTRIAN ROUTE AT CURB RAMP LOCATIONS, THE GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH.



**RELOCATE, RESET, OR NEW SIGN DETAIL**  
N.T.S.



**ADA BULB OUT FOR UTILITY POLE DETAIL**  
NOT TO SCALE



**ADA BULB OUT FOR FIREHYDRANT DETAIL**  
NOT TO SCALE