STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS

PLANS FOR THE IMPROVEMENTS OF

CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

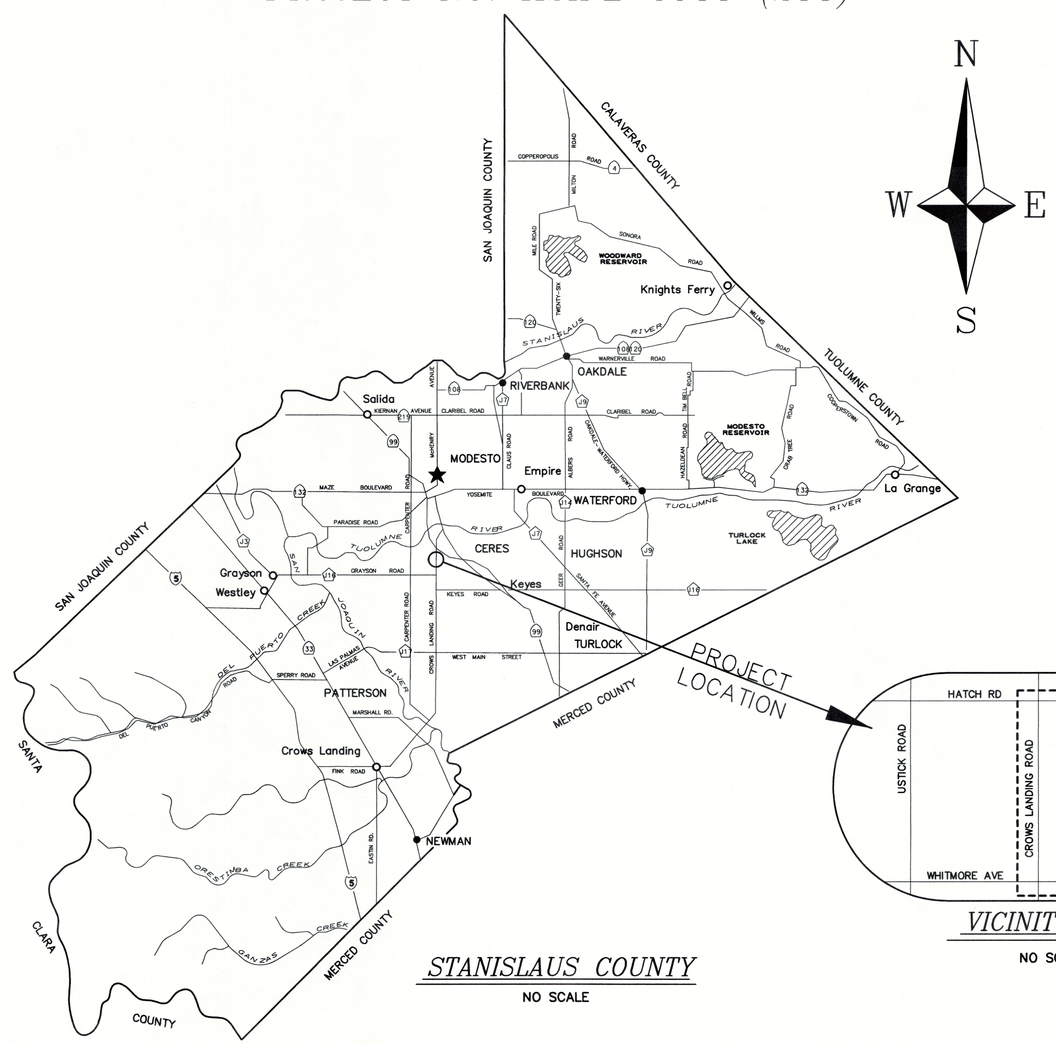
PROJECT NO. HSIPL-5938 (238)

STATE OF CALIFORNIA

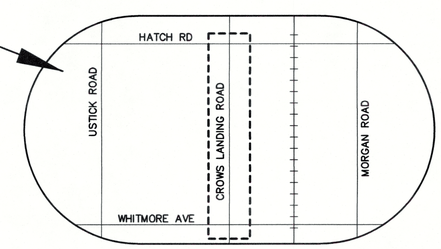
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
2015 STANDARD PLANS

RSP A20A	A24E	RSP ES-1C	RSP ES-4C	ES-7R
RSP A20B	A24F	ES-2C	RSP ES-4D	RSP ES-8A
RSP A20D	RSP A88A	RSP ES-2D	RSP ES-5C	RSP ES-13A
A24A	RSP A88B	RSP ES-3C	RSP ES-6D	RS1
A24B	RSP ES-1A	ES-4A	RSP ES-7A	RS2
A24C	RSP ES-1B	ES-4B	RSP ES-7F	RS4
A24D				

INDEX OF SHEETS



STANISLAUS COUNTY
NO SCALE



VICINITY MAP
NO SCALE

APPROVED BY STANISLAUS COUNTY:

CHARLES COVOLO, P.E.
SENIOR CIVIL ENGINEER, DESIGN DIVISION
STANISLAUS COUNTY
2-27-20
DATE

DAVID A. LEAMON, P.E., MPA
PUBLIC WORKS DIRECTOR
STANISLAUS COUNTY
2/27/2020
DATE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61534
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
DATE:

NO	DESCRIPTIONS	DATE	APPROVED

REVISIONS

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

TITLE SHEET

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE NTS

SHEET NUMBER
1
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_T1.dwg PLOT DATE:2/28/2020 10:04:30 AM CAD USER: MBURCHARD

CONTACT INFORMATION

UTILITY	COMPANY	REPRESENTATIVE	TELEPHONE
COUNTY	STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS	MARK HAMBLIN	(209) 402-7803
COMMUNICATION	AT&T	ROBERT KNECHT	(209) 578-7037
COMMUNICATION	COMCAST	KRIS COOK	(209) 955-6020
ELECTICAL	TURLOCK IRRIGATION DISTRICT	DAVID PORATH	(209) 883-8659
GAS	PG&E	KENNETH MORSHEAD	(925) 464-8228
		IVO SARIC (IF KENNETH ISN'T AVAILABLE)	(510) 496-9381
IRRIGATION	TURLOCK IRRIGATION DISTRICT	TODD TROGLIN	(209) 883-8367
WATER	CITY OF MODESTO	ROBERT DAVALOS	(209) 571-5869
POSTAL SERVICE	UNITED STATES POSTAL SERVICE	JON PIERCE	(336) 508-6867
		LEOPOLDO SOTO (IF JON PIERCE ISN'T AVAILABLE)	(209) 574-0146

LEGEND

CENTERLINE
(E) R/W LINE
(P) BARRIER FENCING
PROPERTY LINE
SAWCUT LINE
ANGLE POINT
POINT ON CURVE
(E) WATER — w —
(E) ELECTRICITY — e — (oh) —
(E) IRRIGATION — irr —
(E) TELECOMMUNICATION — tc —
(E) STORM DRAIN — sd —
(E) JOINT OVERHEAD — jt — (oh) —
(E) GAS — gs —
(E) SEWER — s —
(E) MANHOLE
(E) UTILITY BOX
(E) WATER VALVE
(E) SIGN
(E) HYDRANT
(E) TREE
(E) UTILITY POLE
(E) GUY ANCHOR
(E) LIGHT STANDARD
(E) GAS VALVE
(E) FENCE — X — X —

ABBREVIATIONS

AB	AGGREGATE BASE	EB	EASTBOUND	MAX	MAXIMUM	S	SOUTH
AC	ASPHALT CONCRETE	EC	END CURVE	MH	MANHOLE	SAW	SAWCUT
ADA	AMERICANS WITH DISABILITIES ACT	ELEC	ELECTRICAL	N	NORTH	SB	SOUTHBOUND
AT&T	AMERICAN TELEPHONE & TELEGRAPH	ELEV	ELEVATION	NB	NORTHBOUND	SD	STORM DRAIN
AP	ANGLE POINT	EP	EDGE OF PAVEMENT	No.	NUMBER	SDMH	STORM DRAIN MANHOLE
BC	BEGIN CURVE	ETW	EDGE OF TRAVELED WAY	NTS	NOT TO SCALE	STA	STATION
Beg	BEGIN	EXIST,(E)	EXISTING	O.C.	ON CENTER	STD	STANDARD
BOW	BACK OF WALK	FDR	FULL DEPTH REHABILITATION	OG	ORIGINAL GROUND	SW	SIDEWALK
C&G	CURB & GUTTER	FOW	FRONT OF WALK	OH	OVERHEAD	TC	TOP OF CURB
C,G,&SW	CURB, GUTTER, & SIDEWALK	FL	FLOW LINE	PCC	PORTLAND CEMENT CONCRETE	TCE	TEMPORARY CONSTRUCTION EASEMENT
CIR	COLD-IN-PLACE RECYCLING	GB	GRADE BREAK	PG	PROFILE GRADE	TFC	TOP FACE OF CURB
CNS	COMPACTED NATURAL SOIL	HMA	HOT MIX ASPHALT	PL	PROPERTY LINE	TID	TURLOCK IRRIGATION DISTRICT
COMM	COMMUNICATION	HP	HINGE POINT	PRC	POINT OF REVERSING CURVE	TYP	TYPICAL
CONC	CONCRETE	IP	IRON PIPE	PROP.(P)	PROPOSED	UG	UNDERGROUND
DI	DRAINAGE INLET	IRR	IRRIGATION	PUE	PUBLIC UTILITY EASEMENT	VAR	VARIES
DIA	DIAMETER	jt	JOINT	R	RADIUS	VERT	VERTICAL
DW	DRIVEWAY	LF	LINEAR FEET	RRFB	RECTANGULAR RAPID FLASHING BEACON	VGFL	VALLEY GUTTER FLOW LINE
E	EAST	Lt	LEFT	Rt	RIGHT	W	WEST
				R/W	RIGHT OF WAY	WB	WESTBOUND
						WV	WATER VALVE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

NO	REVISIONS DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

GENERAL NOTES

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE NTS

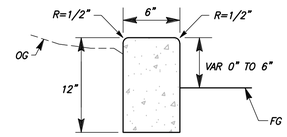
SHEET NUMBER 2 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_G1.dwg PLOT DATE:2/28/2020 10:15:38 AM CAD USER: MBURCHARD

NOTES

1. FOR LIMITS OF MEDIANS SEE THE PLAN AND PROFILE SHEETS.
2. FOR LOCATIONS OF MEDIAN REMOVAL SEE THE PLAN AND PROFILE SHEETS.

DESIGN DESIGNATIONS					
STREET NAME	STATION RANGE	TRAFFIC INDEX	"R" VALUE	COLD-IN-PLACE RECYCLING	OVERLAY
				CIR	HMA
CROWS LANDING ROAD – "CLR" LINE	15+00.00 TO 67+35.00	10	50	0.25'	0.17'

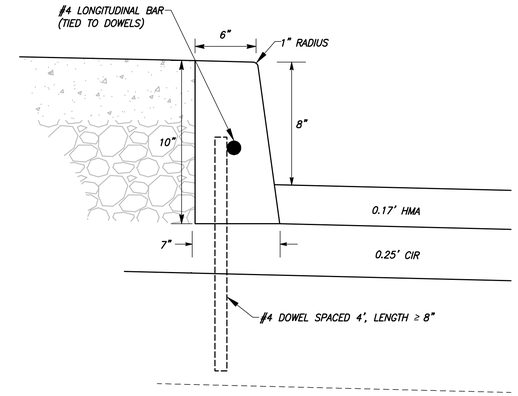


NOTES:

1. CLASS "B" CONCRETE, 5 SACK MIN MIX, 2500 PSI MIN @ 28 DAYS.
2. WEAKENED PLANE JOINTS AT 20' INTERVALS SHALL BE CONSTRUCTED.
3. CURB SHALL BE PLACED ON 6" NATIVE SOIL COMPACTED TO 90% RELATIVE COMPACTION.
4. RETAINING CURB CAN BE CONSTRUCTED AS PART OF SIDEWALK.

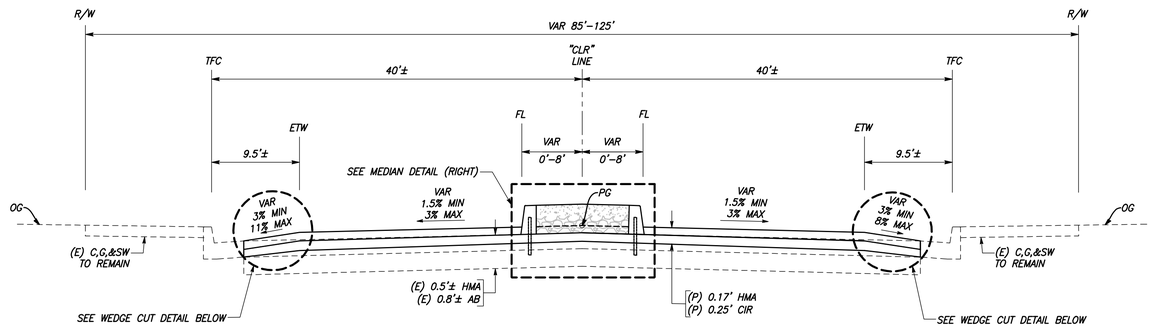
RETAINING CURB DETAIL

NOT TO SCALE



EXTRUDED MEDIAN CURB DETAIL

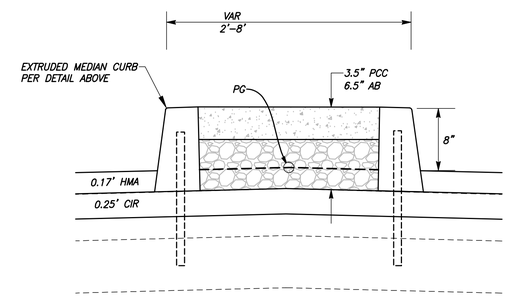
NOT TO SCALE



CROWS LANDING ROAD

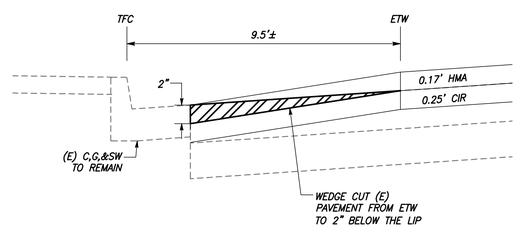
"CLR" LINE - STA 15+00.00 TO 67+35.00

SCALE NTS



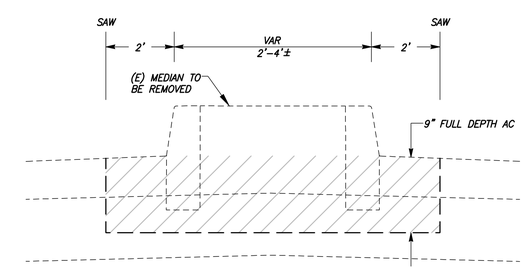
MEDIAN DETAIL

NOT TO SCALE



WEDGE CUT DETAIL

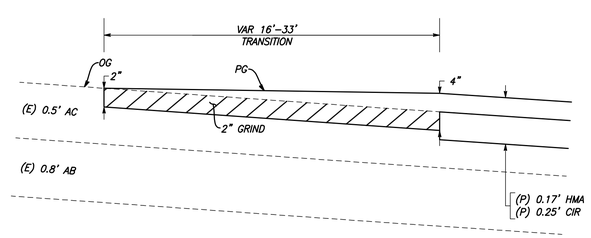
NOT TO SCALE



NOTE: MEDIAN REMOVAL QUANTIFIED WITH REMOVE CONCRETE AND MISCELLANEOUS ITEMS.

MEDIAN REMOVAL DETAIL

NOT TO SCALE



PAVEMENT TRANSITION DETAIL

NOT TO SCALE

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF: DATE:

NO	REVISIONS DESCRIPTIONS	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

TYPICAL SECTIONS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE NTS

SHEET NUMBER 3 OF 35 SHEETS

PLOT DATE:2/28/2020 10:16:40 AM CAD USER: MBURCHARD

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_X1.dwg

LEGEND

△ CONTROL MONUMENT

(No) CONTROL POINT NUMBER

PROJECT CONTROL STATEMENT

COORDINATES SHOWN ARE CCS83 (2011), ZONE 3, EPOCH 2010.00

THE FOLLOWING STATIONS AND THEIR NGS COORDINATES WERE USED TO DERIVE THIS NETWORK OF MEASUREMENTS:

1. NGS PID: HS4500– THE NORTHING, EASTING WERE HELD FIXED FOR THE CONSTRAINED ADJUSTMENT. THIS NGS STATION WAS USED IN THE CITY RS–22–51 WITH A DESIGNATED CCS83 (1992) ADJUSTED COORDINATES. THE CCS83 (2011) COORDINATES USED ON THIS SURVEY WERE TAKEN FROM CURRENT NGS DATASHEETS.

2. CORS/NGS PID: CMOD– THE NORTHING AND EASTING WERE HELD FIXED FOR THE CONSTRAINED ADJUSTMENT.

ELEVATIONS SHOWN ARE NAVD88, AND ARE BASED ON THE CITY OF MODESTO GPS CONTROL NETWORK.

THE FOLLOWING POINTS WERE HELD FOR THE VERTICAL ADJUSTMENT: BM 2124 HAVING AN ELEVATION OF 86.739 FEET, AND BM 2024 HAVING AN ELEVATION OF 83.831 FEET.

COORDINATES AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FEET.

AN AVERAGE COMBINED FACTOR OF 0.99993 WILL BE USED FOR THIS PROJECT. MULTIPLY GRID DISTANCE BY 1.00007 TO OBTAIN GROUND DISTANCES.

NOTES

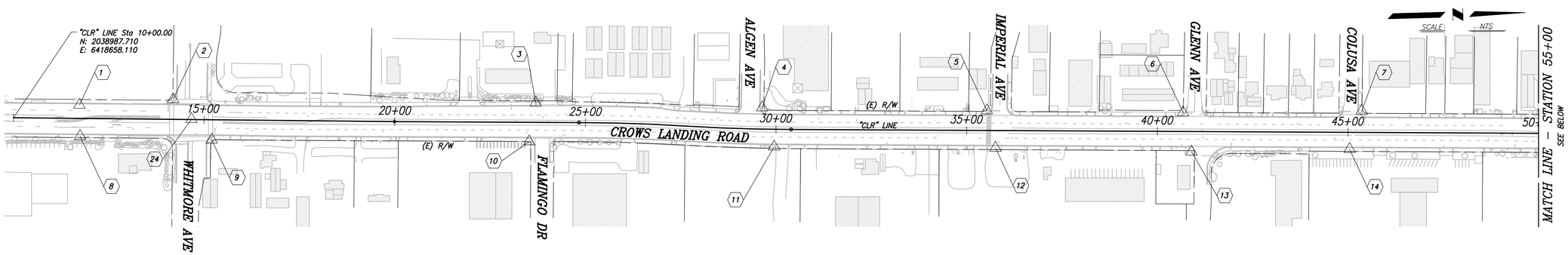
CONTROL SHALL COMPLY WITH BUSINESS AND PROFESSIONAL CODE SECTION 8771(b) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING MONUMENTS WHETHER OR NOT MONUMENTS ARE SHOWN ON THE PLANS.

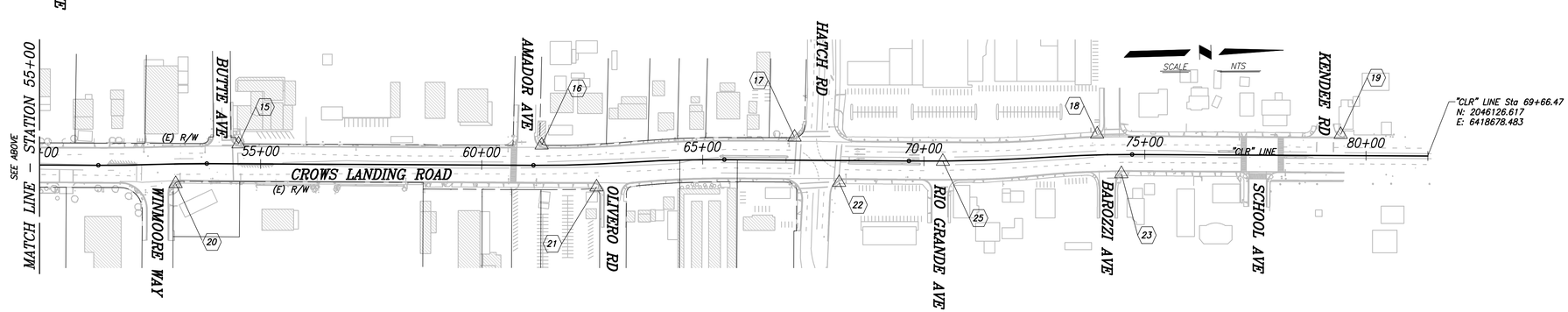
CONTRACTOR SHALL PROVIDE AGENCY A MINIMUM OF TWO WEEKS NOTICE PRIOR TO COMMENCING ANY WORK THAT COULD DAMAGE OR DESTROY ANY SURVEY MONUMENTS.

IF A MONUMENT IS DAMAGED BY A CONTRACTORS OPERATIONS, CONTRACTOR SHALL REPLACE AT CONTRACTORS COST.

SURVEY CONTROL TABLE

No.	POINT No.	NORTHING	EASTING	ELEVATION	DESCRIPTION	APPROX. LOCATION
1	2012	2039160.523	6418624.397	82.84	NAIL AND SHINER – TEMP CONTROL	1042 FEET SOUTHWEST OF WHITMORE AVENUE AND CROWS LANDING ROAD INTERSECTION
2	2011	2039406.136	6418609.801	83.34	NAIL AND SHINER – TEMP CONTROL	SOUTHWEST CORNER OF WHITMORE AVENUE AND CROWS LANDING ROAD
3	2010	2040356.980	6418618.921	84.10	NAIL AND SHINER – TEMP CONTROL	SOUTHWEST CORNER OF FLAMINGO AVENUE AND CROWS LANDING ROAD
4	2009	2040951.316	6418631.208	84.82	NAIL AND SHINER – TEMP CONTROL	NORTHWEST CORNER OF ALGEN AVENUE AND CROWS LANDING ROAD
5	2008	2041540.443	6418639.303	86.74	NAIL – TEMP CONTROL	SOUTHWEST CORNER OF IMPERIAL AVENUE AND CROWS LANDING ROAD
6	2007	2042055.095	6418644.651	86.50	NAIL – TEMP CONTROL	SOUTHWEST CORNER OF GLENN AVENUE AND CROWS LANDING ROAD
7	2006	2042523.612	641.8640.263	86.91	NAIL – TEMP CONTROL	NORTHWEST CORNER OF COLUSA AVENUE AND CROWS LANDING ROAD
8	2013	2039162.303	6418706.207	82.92	NAIL AND SHINER – TEMP CONTROL	1121 FEET SOUTHEAST OF WHITMORE AVENUE AND CROWS LANDING ROAD INTERSECTION
9	2014	2039507.517	6418716.051	83.98	NAIL AND SHINER – TEMP CONTROL	NORTHEAST CORNER OF WHITMORE AVENUE AND CROWS LANDING ROAD INTERSECTION
10	2015	2040340.253	6418720.457	84.23	NAIL AND SHINER – TEMP CONTROL	SOUTHEAST CORNER OF FLAMINGO AVENUE AND CROWS LANDING ROAD
11	2016	2040982.636	6418734.087	85.34	NAIL AND SHINER – TEMP CONTROL	108 FEET NORTHEAST OF ALGEN AVENUE ON CROWS LANDING ROAD
12	2017	2041562.885	6418737.211	86.51	NAIL – TEMP CONTROL	121 FEET EAST OF IMPERIAL AVENUE ON CROWS LANDING ROAD
13	2018	2042077.140	6418747.607	87.45	NAIL AND SHINER – TEMP CONTROL	SOUTHEAST CORNER OF GLENN AVENUE AND CROWS LANDING ROAD
14	2019	2042491.749	6418740.359	86.52	NAIL AND SHINER – TEMP CONTROL	125 FEET EAST OF COLUSA AVENUE ON CROWS LANDING ROAD
15	2005	2043437.036	6418651.258	86.01	NAIL AND SHINER – TEMP CONTROL	NORTHWEST CORNER OF BUTTE AVENUE AND CROWS LANDING ROAD
16	2004	2044122.508	6418653.820	87.13	NAIL AND SHINER – TEMP CONTROL	NORTHWEST CORNER OF AMADOR AVENUE AND CROWS LANDING ROAD
17	2003	2044694.560	6418635.951	87.61	NAIL AND SHINER – TEMP CONTROL	SOUTHWEST CORNER OF HATCH ROAD AND CROWS LANDING ROAD
18	2002	2045379.003	6418629.154	86.99	NAIL AND SHINER – TEMP CONTROL	SOUTHWEST CORNER OF BAROZZI AVENUE AND CROWS LANDING ROAD
19	2001	2045929.589	6418629.760	84.08	NAIL – TEMP CONTROL	NORTHWEST CORNER OF KENDEE ROAD AND CROWS LANDING ROAD
20	2020	2043294.875	6418740.849	85.63	NAIL – TEMP CONTROL	NORTHEAST CORNER OF WINMOORE WAY AND CROWS LANDING ROAD
21	2021	2044246.747	6418748.275	87.04	NAIL – TEMP CONTROL	SOUTHEAST CORNER OF OLIVERO ROAD AND CROWS LANDING ROAD
22	2022	2044795.385	6418738.228	87.62	NAIL – TEMP CONTROL	NORTHEAST CORNER OF HATCH ROAD AND CROWS LANDING ROAD
23	2023	2045433.658	6418718.572	86.66	NAIL – TEMP CONTROL	NORTHEAST CORNER OF BAROZZI AVENUE AND CROWS LANDING ROAD
24	2024	2039454.455	6418661.582	83.83	BRASS DISK IN WELL	INTERSECTION OF WHITMORE AVENUE AND CROWS LANDING CORRIDOR
25	2124	2045030.022	6418690.438	86.74	BRASS DISK IN WELL	INTERSECTION OF RIO GRANDE AVENUE AND CROWS LANDING ROAD





811 CALL BEFORE YOU DIG

REGISTERED LAND SURVEYOR GREGORY R. CE No. 8201 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

StanIslaus County Serving to be the best

PROJECT CONTROL

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE NTS

SHEET NUMBER 4 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PC1.dwg PLOT DATE:2/28/2020 10:17:43 AM CAD USER: NNISHIKAWA

GENERAL NOTES

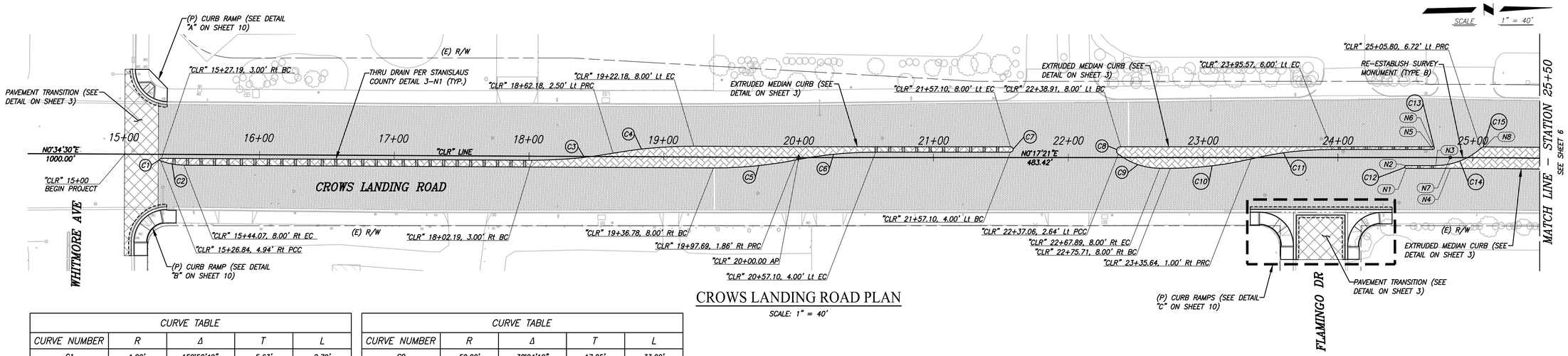
1. FOR CONTROL LINE & MONUMENT INFORMATION, SEE PROJECT CONTROL SHEET.
2. FOR UTILITY INFORMATION, SEE UTILITY PLAN SHEETS.
3. FOR SIGN AND STRIPING INFORMATION, SEE SIGNING AND STRIPING SHEETS.
4. FOR GRADING SEE CONSTRUCTION DETAIL SHEETS.

LEGEND

- (P) 0.17' HMA / (P) 0.25' CIR
- GRIND & OVERLAY
- 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)
- STAMPED CONCRETE 3.5" PCC OVER 6.5" AB
- SAWCUT

LAYOUT NOTES		
No.	LOCATION	NOTE
N1	"CLR" 24+50.61, 8.00' Rt	BC
N2	"CLR" 24+50.61, 6.00' Rt	EC
N3	"CLR" 24+72.57, 6.00' Rt	BC
N4	"CLR" 24+83.42, 8.00' Rt	BC

LAYOUT NOTES		
No.	LOCATION	NOTE
N5	"CLR" 24+70.57, 6.00' Lt	BC
N6	"CLR" 24+70.57, 8.00' Lt	EC
N7	"CLR" 24+83.42	BC
N8	"CLR" 25+09.14, 8.00' Lt	PCC

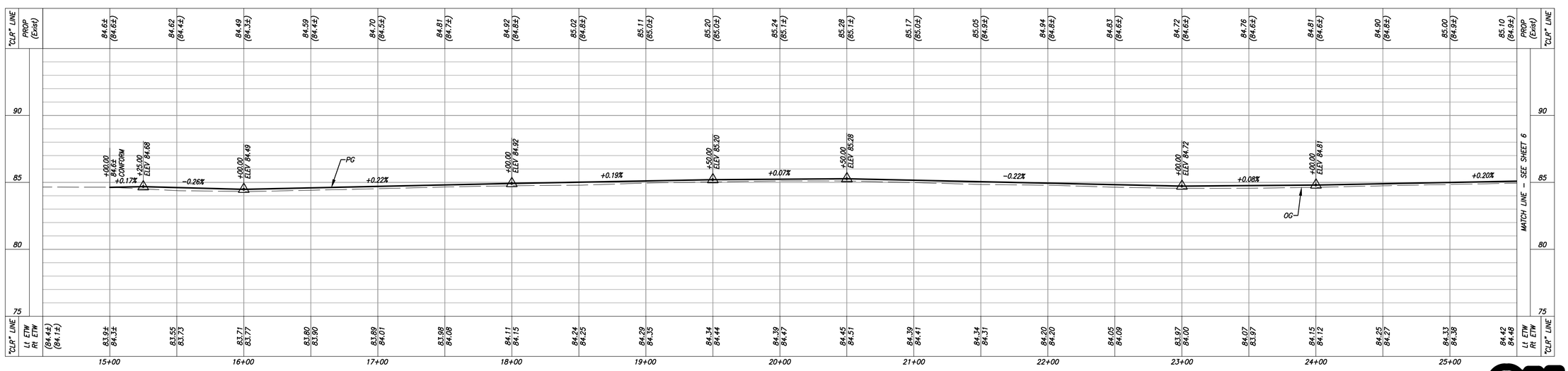


CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C1	1.00'	159°50'49"	5.63'	2.79'
C2	50.00'	20°09'11"	8.89'	17.59'
C3	330.00'	10°28'31"	30.25'	60.33'
C4	330.00'	10°28'31"	30.25'	60.33'
C5	305.00'	11°31'12"	30.77'	61.32'
C6	305.00'	11°14'03"	30.00'	59.80'
C7	2.00'	180°00'00"	INFINITY'	6.28'
C8	3.00'	141°55'21"	8.69'	7.43'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C9	50.00'	38°04'19"	17.25'	33.22'
C10	260.00'	13°19'36"	30.37'	60.47'
C11	260.00'	13°19'36"	30.37'	60.48'
C12	1.00'	180°00'00"	INFINITY'	3.14'
C13	1.00'	180°00'00"	INFINITY'	3.14'
C14	50.00'	41°41'58"	19.04'	36.39'
C15	5.00'	41°59'35"	1.92'	3.66'



CROWS LANDING ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER — EDGAR A. NORIEGA — No. 61535 — Exp. 6/30/21 — CIVIL — STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

PLAN AND PROFILE

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"=40'

SHEET NUMBER 5 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PP1-PP5.dwg PLOT DATE:2/28/2020 10:22:15 AM CAD USER: MBURCHARD

GENERAL NOTES

1. FOR CONTROL LINE & MONUMENT INFORMATION, SEE PROJECT CONTROL SHEET.
2. FOR UTILITY INFORMATION, SEE UTILITY PLAN SHEETS.
3. FOR SIGN AND STRIPING INFORMATION, SEE SIGNING AND STRIPING SHEETS.
4. FOR GRADING SEE CONSTRUCTION DETAIL SHEETS.

LEGEND

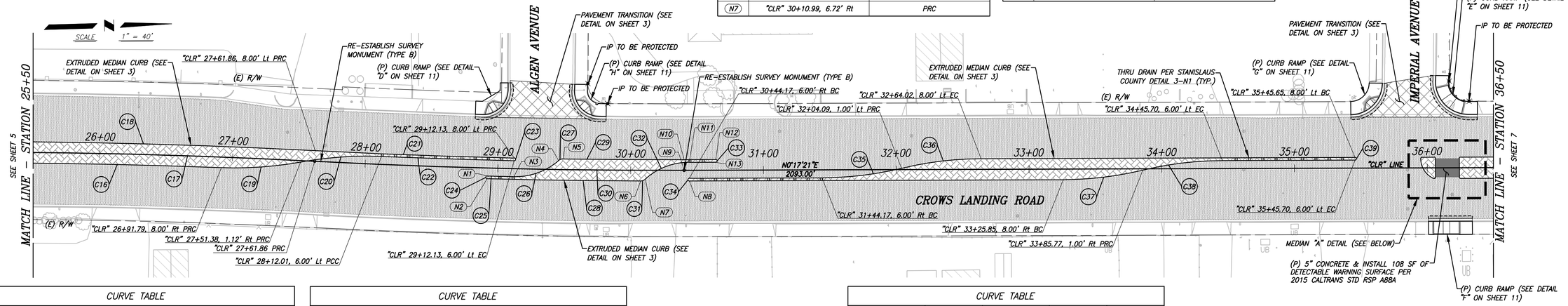
- (P) 0.17' HMA / (P) 0.25' CIR
- GRIND & OVERLAY
- 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)
- STAMPED CONCRETE 3.5" PCC OVER 6.5" AB
- SAWCUT

LAYOUT NOTES

No.	LOCATION	NOTE
N1	"CLR" 28+92.15, 6.00' Rt	BC
N2	"CLR" 28+92.15, 8.00' Rt	PCC
N3	"CLR" 29+12.13, 6.00' Rt	PCC
N4	"CLR" 29+45.64, 6.74' Lt	PRC
N5	"CLR" 29+48.96, 8.00' Lt	PRC
N6	"CLR" 30+07+65, 8.00' Rt	PCC
N7	"CLR" 30+10.99, 6.72' Rt	PRC

LAYOUT NOTES

No.	LOCATION	NOTE
N8	"CLR" 30+44.17, 8.00' Rt	BC
N9	"CLR" 30+40.31	EC
N10	"CLR" 30+40.31, 8.00' Lt	EC
N11	"CLR" 30+44.17, 6.00' Lt	EC
N12	"CLR" 30+64.17, 8.00' Lt	BC
N13	"CLR" 30+64.17, 6.00' Lt	EC



CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C16	4992.00'	2°23'16"	104.04'	208.04'
C17	5000.00'	3°11'27"	139.26'	278.45'
C18	5008.00'	2°53'46"	126.59'	253.13'
C19	275.00'	12°30'39"	30.14'	60.05'
C20	275.00'	12°44'21"	30.70'	61.14'
C21	4992.00'	1°43'19"	75.02'	150.03'
C22	4994.00'	1°08'50"	50.00'	100.00'
C23	1.00'	180°00'00"	INFINITY'	3.14'
C24	1.00'	180°00'00"	INFINITY'	3.14'
C25	5006.00'	0°13'44"	10.00'	20.00'

CURVE TABLE

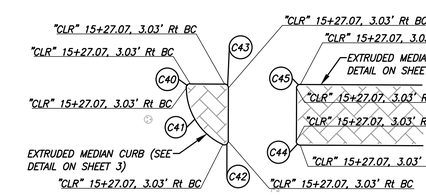
CURVE NUMBER	R	Δ	T	L
C26	50.00'	42°00'48"	19.20'	36.66'
C27	5.00'	41°35'28"	1.90'	3.63'
C28	5008.00'	1°19'24"	57.84'	115.68'
C29	4992.00'	1°02'48"	45.60'	91.20'
C30	5000.00'	3°11'27"	139.26'	278.45'
C31	5.00'	42°00'32"	1.92'	3.67'
C32	50.00'	41°38'05"	19.01'	36.33'
C33	1.00'	180°00'00"	INFINITY'	3.14'
C34	1.00'	180°54'36"	125.92'	3.16'
C35	260.00'	13°19'31"	30.37'	60.47'

CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

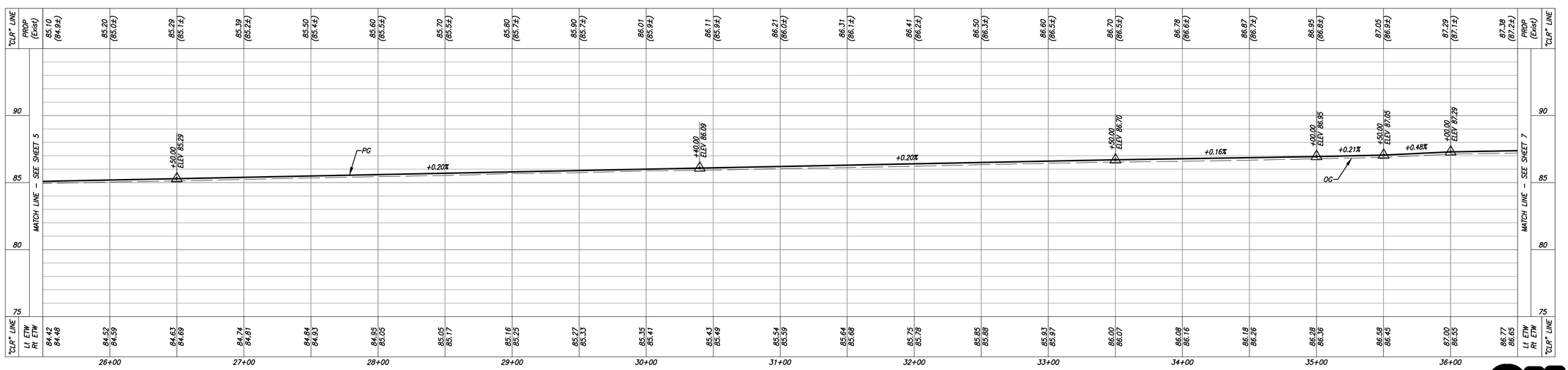
CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C36	260.00'	13°19'31"	30.37'	60.47'
C37	260.00'	13°19'31"	30.37'	60.47'
C38	260.00'	13°19'31"	30.37'	60.47'
C39	1.00'	180°00'00"	INFINITY'	3.14'
C40	1.00'	90°07'39"	1.00'	1.57'
C41	16.50'	65°22'34"	10.59'	18.83'
C42	1.00'	114°29'47"	1.55'	2.00'
C43	1.00'	90°00'00"	1.00'	1.57'
C44	1.00'	90°00'00"	1.00'	1.57'
C45	1.00'	90°00'00"	1.00'	1.57'



MEDIAN "A" DETAIL

SCALE: 1" = 20'



CROWS LANDING ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER — EDGAR A. NORIEGA — No. 61535 — Exp. 6/30/21 — CIVIL — STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

PLAN AND PROFILE

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"=40'

SHEET NUMBER 6 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PP1-PP5.dwg PLOT DATE:2/28/2020 10:21:27 AM CAD USER: MBURCHARD

GENERAL NOTES

1. FOR CONTROL LINE & MONUMENT INFORMATION, SEE PROJECT CONTROL SHEET.
2. FOR UTILITY INFORMATION, SEE UTILITY PLAN SHEETS.
3. FOR SIGN AND STRIPING INFORMATION, SEE SIGNING AND STRIPING SHEETS.
4. FOR GRADING SEE CONSTRUCTION DETAIL SHEETS.

LEGEND

- (P) 0.17' HMA / (P) 0.25' CIR
- GRIND & OVERLAY
- 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)
- STAMPED CONCRETE 3.5" PCC OVER 6.5" AB
- SAWCUT

LAYOUT NOTES

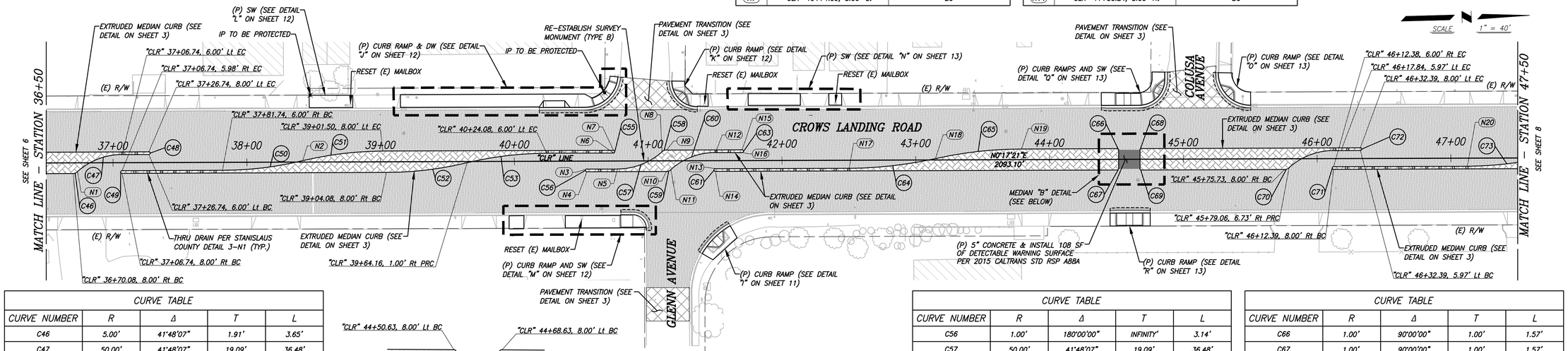
No.	LOCATION	NOTE
N1	"CLR" 36+73.41, 6.73' Rt	PRC
N2	"CLR" 38+41.62, 1.00' Lt	PRC
N3	"CLR" 40+54.08, 6.00' Rt	BC
N4	"CLR" 40+54.08, 8.00' Rt	EC
N5	"CLR" 40+77.08, 6.00' Rt	BC
N6	"CLR" 40+74.08, 6.00' Lt	BC
N7	"CLR" 40+74.09, 8.00' Lt	EC

LAYOUT NOTES

No.	LOCATION	NOTE
N8	"CLR" 41+10.41, 6.73' Lt	PRC
N9	"CLR" 41+13.74, 8.00' Lt	EC
N10	"CLR" 41+13.57, 8.00' Rt	BC
N11	"CLR" 41+16.91, 6.73' Rt	PRC
N12	"CLR" 41+50.24, 6.00' Lt	EC
N13	"CLR" 41+50.24, 6.00' Rt	EC
N14	"CLR" 41+50.24, 8.00' Rt	BC

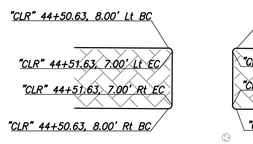
LAYOUT NOTES

No.	LOCATION	NOTE
N15	"CLR" 41+70.24, 8.00' Lt	EC
N16	"CLR" 41+70.24, 6.00' Lt	BC
N17	"CLR" 42+50.24, 6.00' Rt	BC
N18	"CLR" 43+14.67, 1.00' Lt	PRC
N19	"CLR" 43+79.10, 8.00' Lt	EC
N20	"CLR" 47+12.39, 6.00' Rt	BC



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



MEDIAN "B" DETAIL

SCALE: 1" = 20'

CURVE TABLE

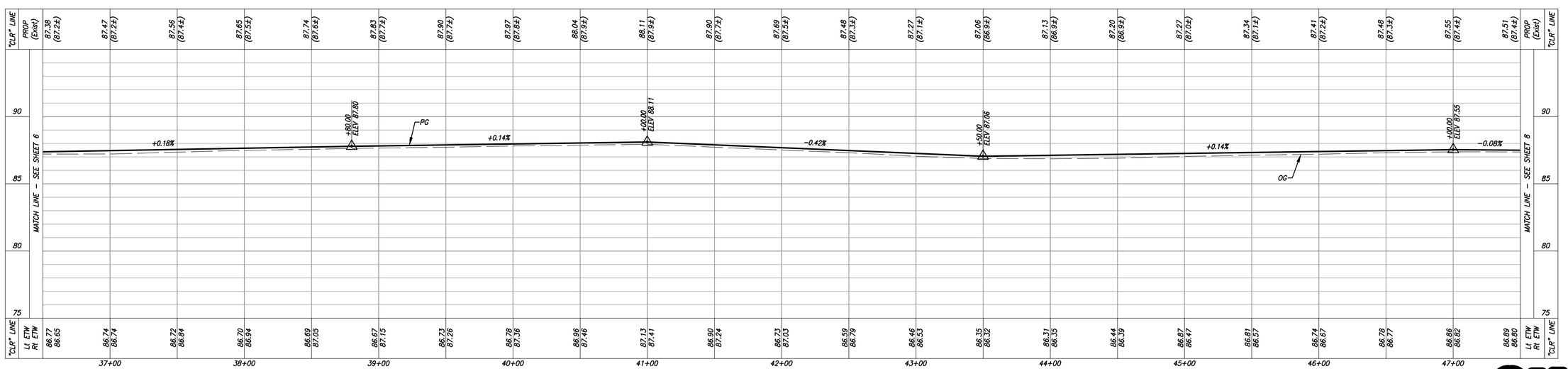
CURVE NUMBER	R	Δ	T	L
C46	5.00'	41°48'07"	1.91'	3.65'
C47	50.00'	41°48'07"	19.09'	36.48'
C48	1.00'	180°00'00"	INFINITY'	3.14'
C49	1.00'	180°00'00"	INFINITY'	3.14'
C50	260.00'	13°19'31"	30.37'	60.47'
C51	260.00'	13°19'31"	30.37'	60.47'
C52	260.00'	13°19'31"	30.37'	60.47'
C53	260.00'	13°19'31"	30.37'	60.47'
C55	1.00'	180°18'07"	379.38'	3.15'

CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C56	1.00'	180°00'00"	INFINITY'	3.14'
C57	50.00'	41°48'07"	19.09'	36.48'
C58	5.00'	41°48'07"	1.91'	3.65'
C59	5.00'	41°48'07"	1.91'	3.65'
C60	50.00'	41°48'32"	19.10'	36.49'
C61	1.00'	180°00'00"	INFINITY'	3.14'
C63	1.00'	180°00'00"	INFINITY'	3.14'
C64	300.00'	12°24'05"	32.59'	64.93'
C65	300.00'	12°24'05"	32.59'	64.93'

CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C66	1.00'	90°00'00"	1.00'	1.57'
C67	1.00'	90°00'00"	1.00'	1.57'
C68	1.00'	90°00'00"	1.00'	1.57'
C69	1.00'	90°00'00"	1.00'	1.57'
C70	5.00'	41°48'07"	1.91'	3.65'
C71	1.00'	180°34'43"	198.05'	3.15'
C72	1.00'	180°00'00"	INFINITY'	3.14'
C73	260.00'	13°19'31"	30.37'	60.47'



CROWS LANDING ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County – Striving to be the best

PLAN AND PROFILE

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE 1"=40'

SHEET NUMBER 7 OF 35 SHEETS

PATH:J:\Stanislaus County–FN–17111–Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PP1–PP5.dwg PLOT DATE:2/28/2020 10:20:33 AM CAD USER: MBURCHARD

GENERAL NOTES

1. FOR CONTROL LINE & MONUMENT INFORMATION, SEE PROJECT CONTROL SHEET.
2. FOR UTILITY INFORMATION, SEE UTILITY PLAN SHEETS.
3. FOR SIGN AND STRIPING INFORMATION, SEE SIGNING AND STRIPING SHEETS.
4. FOR GRADING SEE CONSTRUCTION DETAIL SHEETS.

LEGEND

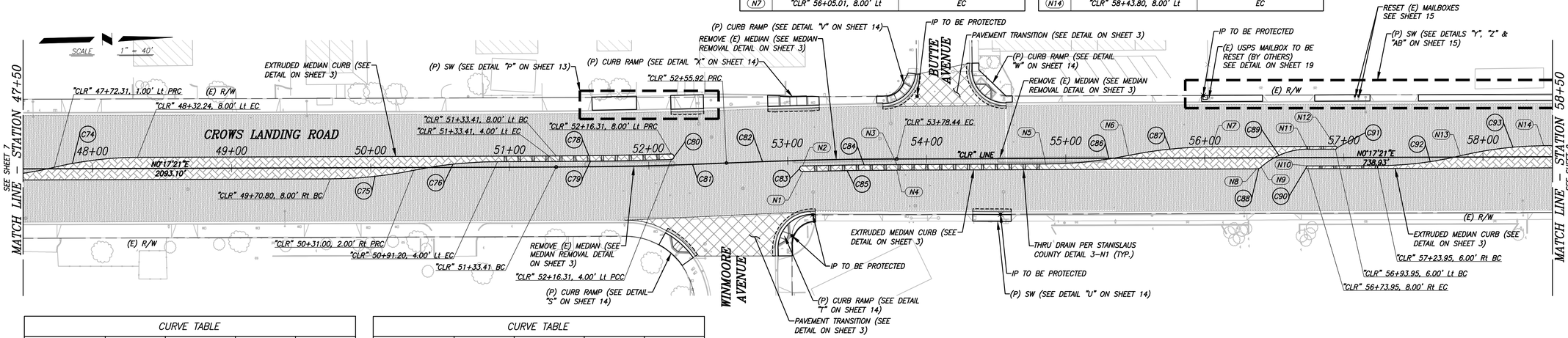
- (P) 0.17' HMA / (P) 0.25' CIR
- GRIND & OVERLAY
- 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)
- STAMPED CONCRETE 3.5" PCC OVER 6.5" AB
- SAWCUT

LAYOUT NOTES

No.	LOCATION	NOTE
N1	"CLR" 53+10.52, 8.00' Rt	BC
N2	"CLR" 53+10.52, 4.00' Rt	PCC
N3	"CLR" 53+78.44, 4.00' Rt	EC
N4	"CLR" 53+78.44, 8.00' Rt	EC
N5	"CLR" 54+85.61, 4.00' Rt	BC
N6	"CLR" 55+45.31, 2.00' Lt	PRC
N7	"CLR" 56+05.01, 8.00' Lt	EC

LAYOUT NOTES

No.	LOCATION	NOTE
N8	"CLR" 56+37.29, 8.00' Rt	BC
N9	"CLR" 56+40.62, 6.73' Rt	PRC
N10	"CLR" 56+73.95, 6.00' Rt	BC
N11	"CLR" 56+73.95, 6.00' Lt	EC
N12	"CLR" 56+93.95, 8.00' Lt	EC
N13	"CLR" 57+83.87, 1.00' Lt	PRC
N14	"CLR" 58+43.80, 8.00' Lt	EC



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CURVE TABLE

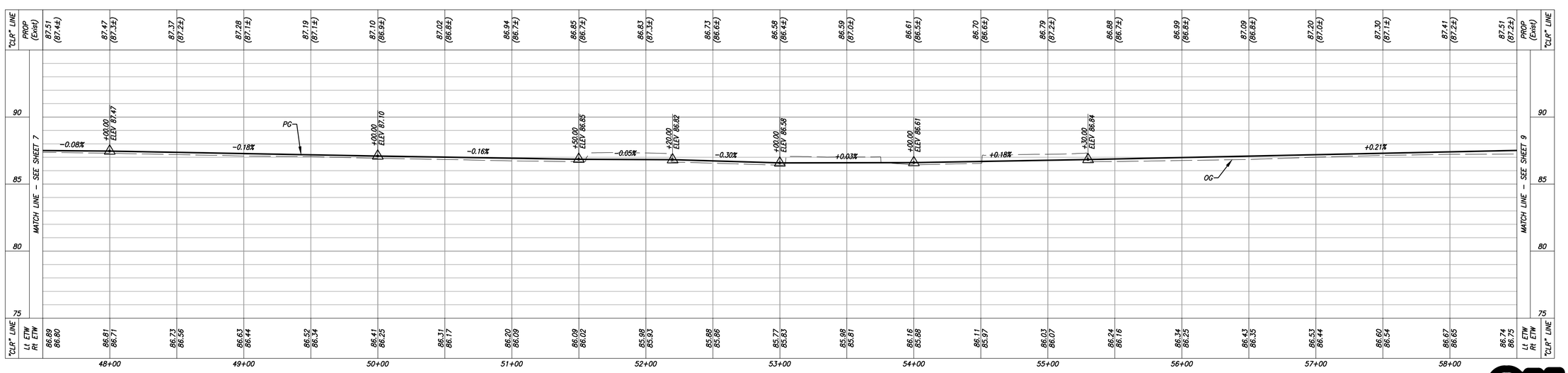
CURVE NUMBER	R	Δ	T	L
C74	260.00'	13°19'31"	30.37'	60.47'
C75	305.00'	11°23'01"	30.40'	60.60'
C76	305.00'	11°23'01"	30.40'	60.60'
C78	2992.00'	1°35'00"	41.34'	82.68'
C79	2996.00'	1°35'00"	41.40'	82.79'
C80	2.00'	179°57'56"	6653.64'	6.28'
C81	3000.00'	2°20'23"	61.27'	122.51'
C82	3000.00'	2°20'23"	61.27'	122.51'

CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C83	2.00'	180°00'00"	INFINITY'	6.28'
C84	2996.00'	1°17'50"	33.91'	67.82'
C85	2992.00'	1°17'50"	33.87'	67.73'
C86	300.00'	11°28'42"	30.15'	60.10'
C87	300.00'	11°28'42"	30.15'	60.10'
C88	5.00'	41°48'07"	1.91'	3.65'
C89	50.00'	41°48'07"	19.09'	36.48'
C90	1.00'	180°00'00"	INFINITY'	3.14'

CURVE TABLE

CURVE NUMBER	R	Δ	T	L
C91	1.00'	180°00'00"	INFINITY'	3.14'
C92	260.00'	13°19'31"	30.37'	60.47'
C93	260.00'	13°19'31"	30.37'	60.47'



CROWS LANDING ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

REVISIONS			
NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

PLAN AND PROFILE

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"=40'

SHEET NUMBER 8 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PP1-PP5.dwg PLOT DATE:2/28/2020 10:19:42 AM CAD USER: MBURCHARD

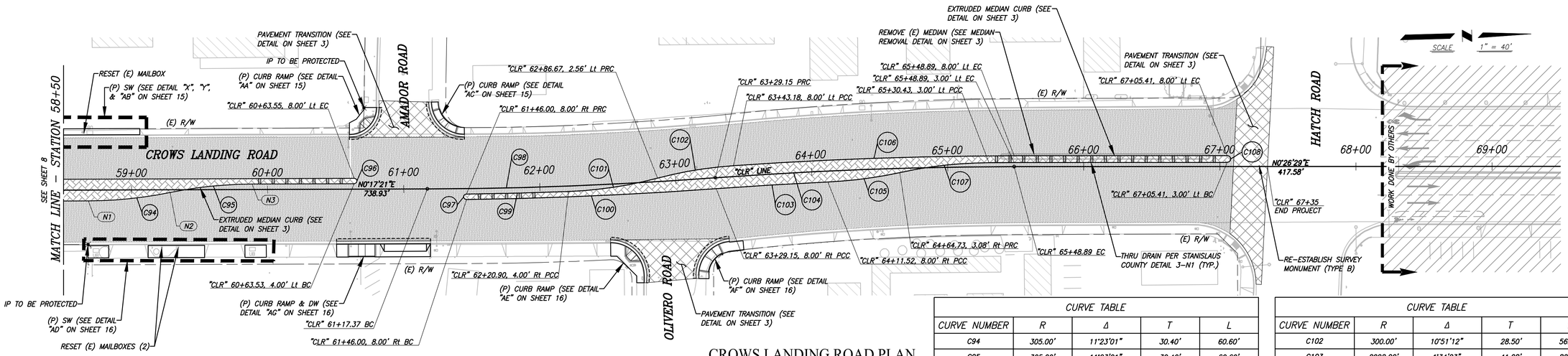
GENERAL NOTES

1. FOR CONTROL LINE & MONUMENT INFORMATION, SEE PROJECT CONTROL SHEET.
2. FOR UTILITY INFORMATION, SEE UTILITY PLAN SHEETS.
3. FOR SIGN AND STRIPING INFORMATION, SEE SIGNING AND STRIPING SHEETS.
4. FOR GRADING SEE CONSTRUCTION DETAIL SHEETS.

LEGEND

- (P) 0.17' HMA / (P) 0.25' CIR
- GRIND & OVERLAY
- 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)
- STAMPED CONCRETE 3.5" PCC OVER 6.5" AB
- SAWCUT

LAYOUT NOTES		
No.	LOCATION	NOTE
N1	"CLR" 58+68.13, 8.00' Rt	BC
N2	"CLR" 59+28.33, 2.00' Rt	PRC
N3	"CLR" 59+88.53, 4.00' lt	EC

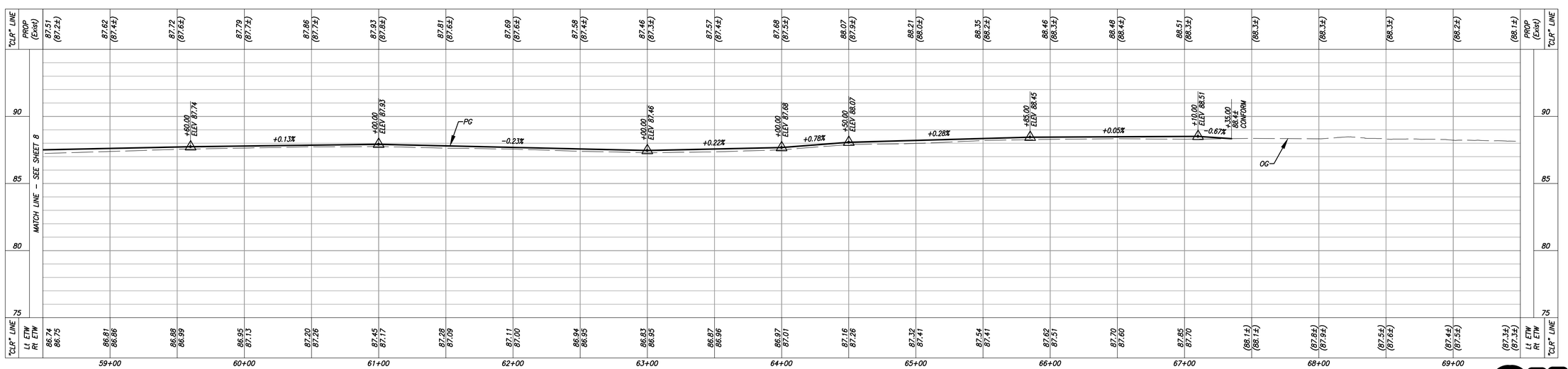


CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C94	305.00'	11°23'01"	30.40'	60.60'
C95	305.00'	11°23'01"	30.40'	60.60'
C96	2.00'	180°00'00"	INFINITY'	6.28'
C97	2.00'	180°00'00"	INFINITY'	6.28'
C98	3000.00'	4°02'41"	105.93'	211.78'
C99	3004.00'	1°25'50"	37.50'	75.00'
C100	3008.00'	3°29'52"	91.85'	183.64'
C101	300.00'	12°39'09"	33.26'	66.25'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C102	300.00'	10°51'12"	28.50'	56.83'
C103	2992.00'	1°34'23"	41.08'	82.15'
C104	3000.00'	4°11'48"	109.92'	219.74'
C105	320.00'	9°33'45"	26.77'	53.41'
C106	3008.00'	3°55'43"	103.17'	206.25'
C107	320.00'	11°50'00"	33.16'	66.09'
C108	2.50'	180°00'00"	INFINITY'	7.85'



CROWS LANDING ROAD PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County – Striving to be the best

PLAN AND PROFILE

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"=40'

SHEET NUMBER 9 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_PP1-PP5.dwg PLOT DATE:2/28/2020 10:18:22 AM CAD USER: MBURCHARD

NOTES

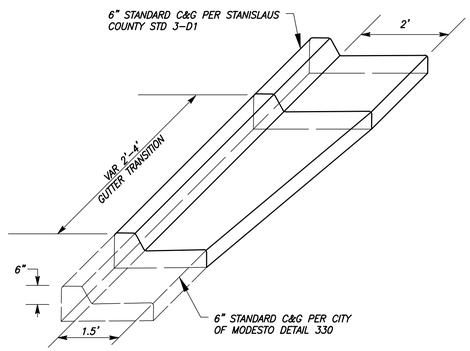
1. SIDEWALK SHALL BE CONSTRUCTED PER STANISLAUS COUNTY STD 3–D7.
2. COMMERCIAL DRIVEWAY SHALL BE CONSTRUCTED PER STANISLAUS COUNTY STD 3–F2. AGGREGATE BASE QUANTIFIED WITH AGGREGATE BASE (CLASS II).
3. TRANSITIONS FROM RAMP AND LANDING TO WALK, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
4. RAMP SLOPE SHALL NEVER EXCEED 8.0%. THE FLARED SIDES SHALL NOT EXCEED 10% SLOPE.
5. THE SLOPE OF ADJOINING GUTTERS, ROAD SURFACE OR ACCESSIBLE ROUTE WITHIN 4' OF THE BOTTOM OF THE RAMP SHALL NOT EXCEED 5.0% SLOPE. THE CLEAR SPACE AT THE BOTTOM OF THE RAMP SHALL BE WITHIN THE MARKED CROSSING.
6. PROVIDE GROOVED BORDER 12" WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE APPROX. 3/4" ON CENTER, 1/4" DEEP; 1/4" WIDE.
7. RAMP AND GUTTER SHALL BE PLACED ON NATIVE SOIL. THE TOP 6" OF SOIL SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
8. CONTRACTOR TO MAINTAIN EXISTING FLOWLINE GRADE AROUND THE CURB RETURN, UNLESS NOTED OTHERWISE.
9. IF CONSTRUCTION CONFORMS END WITHIN 1 FOOT OF A WEAKENED PLANE OR EXPANSION JOINT, CONTRACTOR SHALL EXTEND PROPOSED IMPROVEMENTS TO THAT WEAKENED PLANE OR EXPANSION JOINT.
10. VOIDS CREATED BY RAMP RECONSTRUCTION ARE TO BE FILLED WITH MATERIAL SIMILAR TO THE EXISTING ADJACENT GROUND.

LEGEND

(P) 9" FULL DEPTH AC PAVEMENT SECTION (TYPE A)

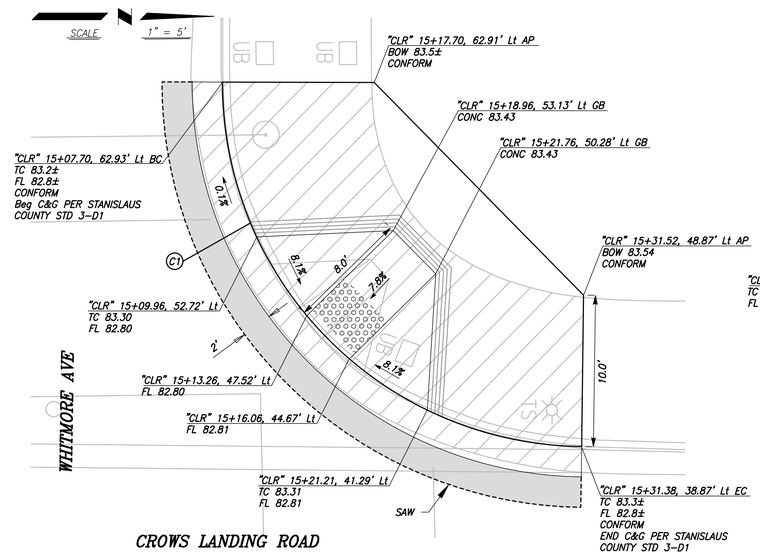
DETECTABLE WARNING SURFACE PER 2015 CALTRANS STD RSP A88A

REMOVE (E) CONCRETE



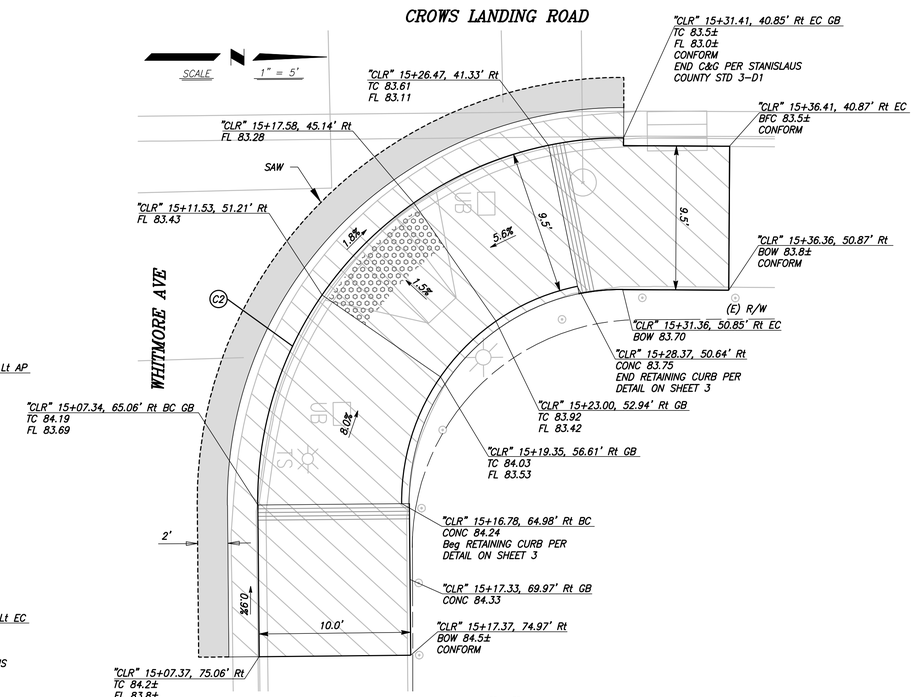
GUTTER TRANSITION DETAIL

NTS



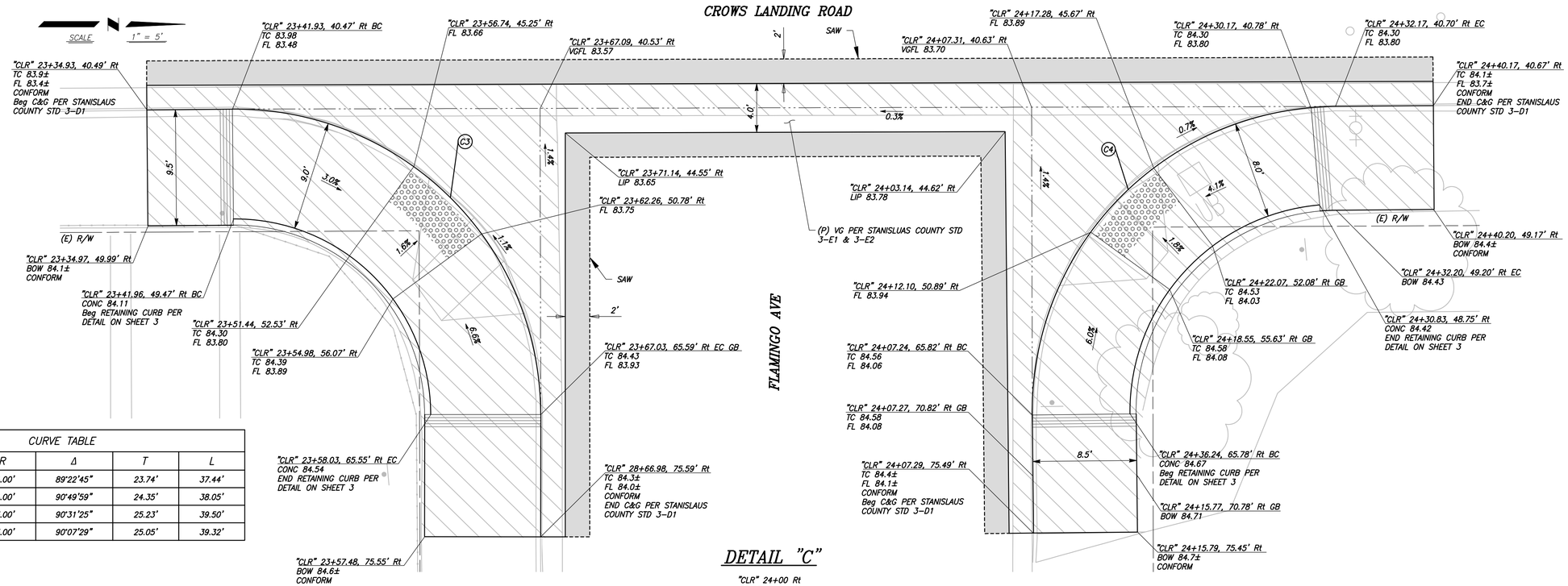
DETAIL "A"

"CLR" 15+00 Lt
SCALE: 1" = 5'



DETAIL "B"

"CLR" 15+00 Rt
SCALE: 1" = 5'



DETAIL "C"

"CLR" 24+00 Rt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C1	24.00'	89°22'45"	23.74'	37.44'
C2	24.00'	90°49'59"	24.35'	38.05'
C3	25.00'	90°31'25"	25.23'	39.50'
C4	25.00'	90°07'29"	25.05'	39.32'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

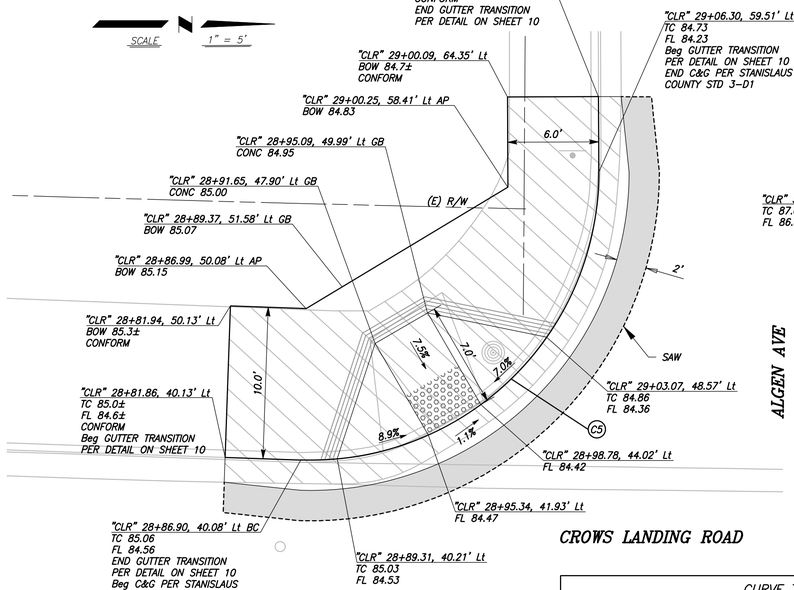
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

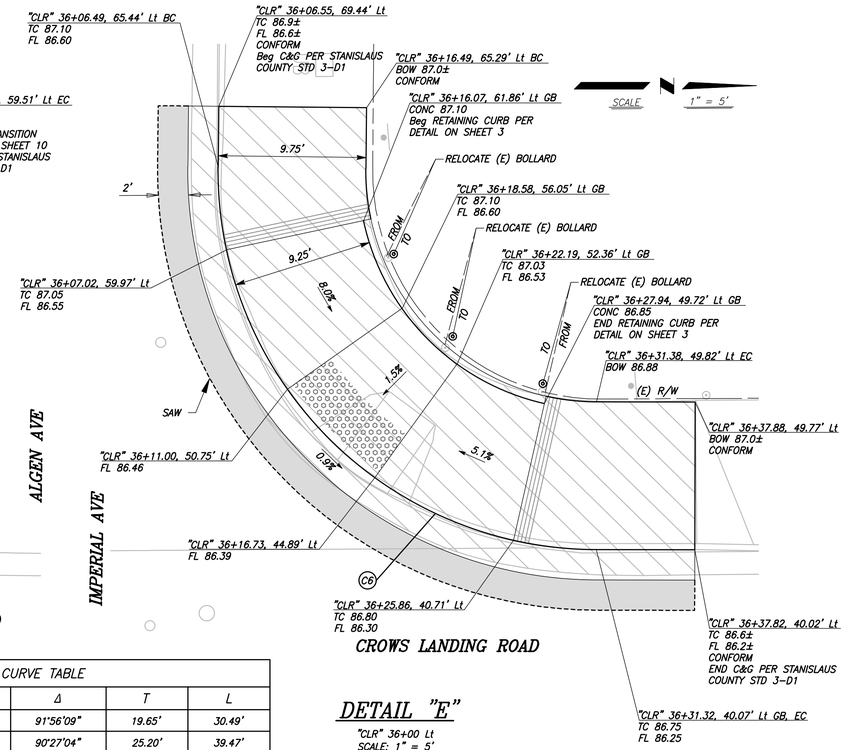
SHEET NUMBER 10
OF 35 SHEETS

PATH:J:\Stanislaus County–FN–17111–Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_C01–C05.dwg PLOT DATE:2/28/2020 11:30:15 AM CAD USER: JREGIER



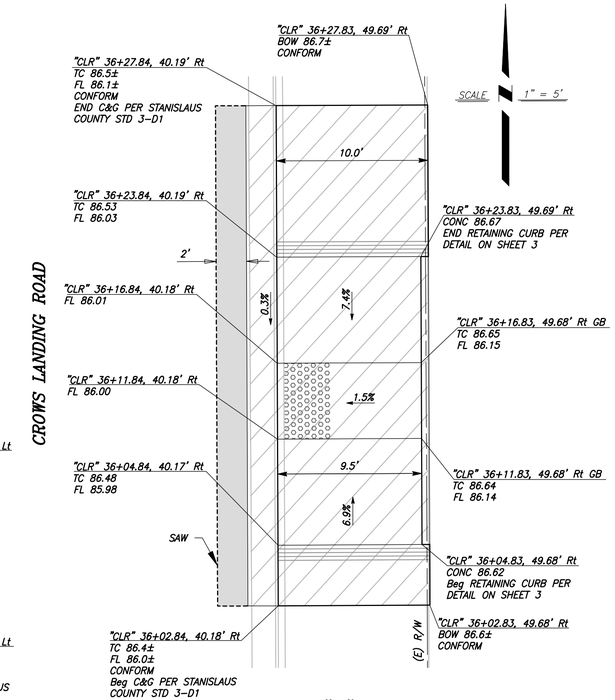
DETAIL "D"

"CLR" 29+00 Lt
SCALE: 1" = 5'



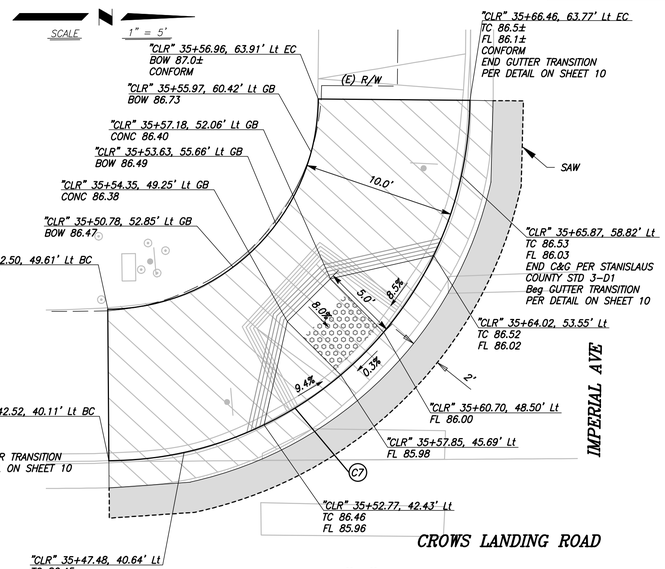
DETAIL "E"

"CLR" 36+00 Lt
SCALE: 1" = 5'



DETAIL "F"

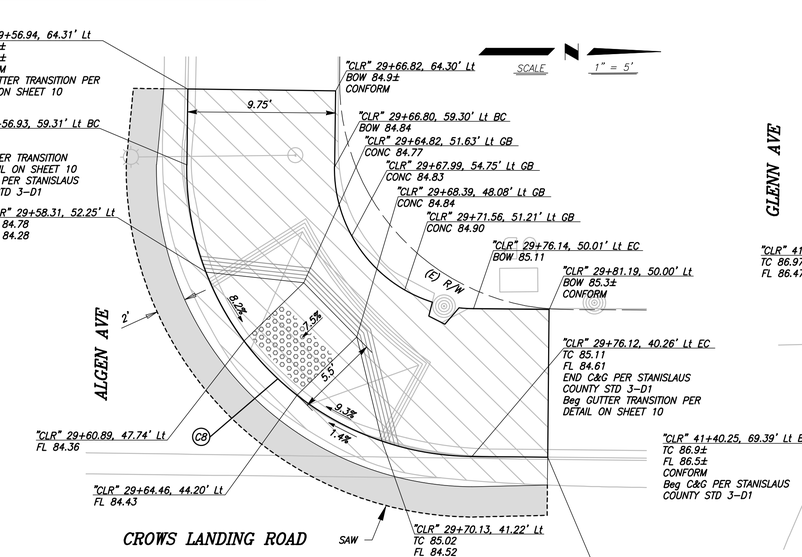
"CLR" 36+00 Rt
SCALE: 1" = 5'



DETAIL "G"

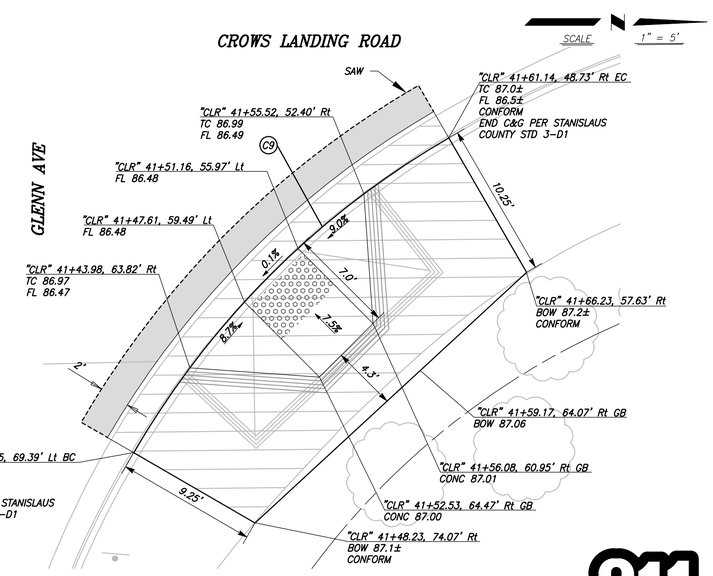
"CLR" 36+00 Lt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C5	19.00'	91°56'09"	19.65'	30.49'
C6	25.00'	90°27'04"	25.20'	39.47'
C7	24.00'	89°03'55"	23.61'	37.31'
C8	19.00'	90°09'08"	19.05'	29.90'
C9	57.00'	29°52'26"	15.21'	29.72'



DETAIL "H"

"CLR" 29+50 Lt
SCALE: 1" = 5'



DETAIL "I"

"CLR" 41+25 Lt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

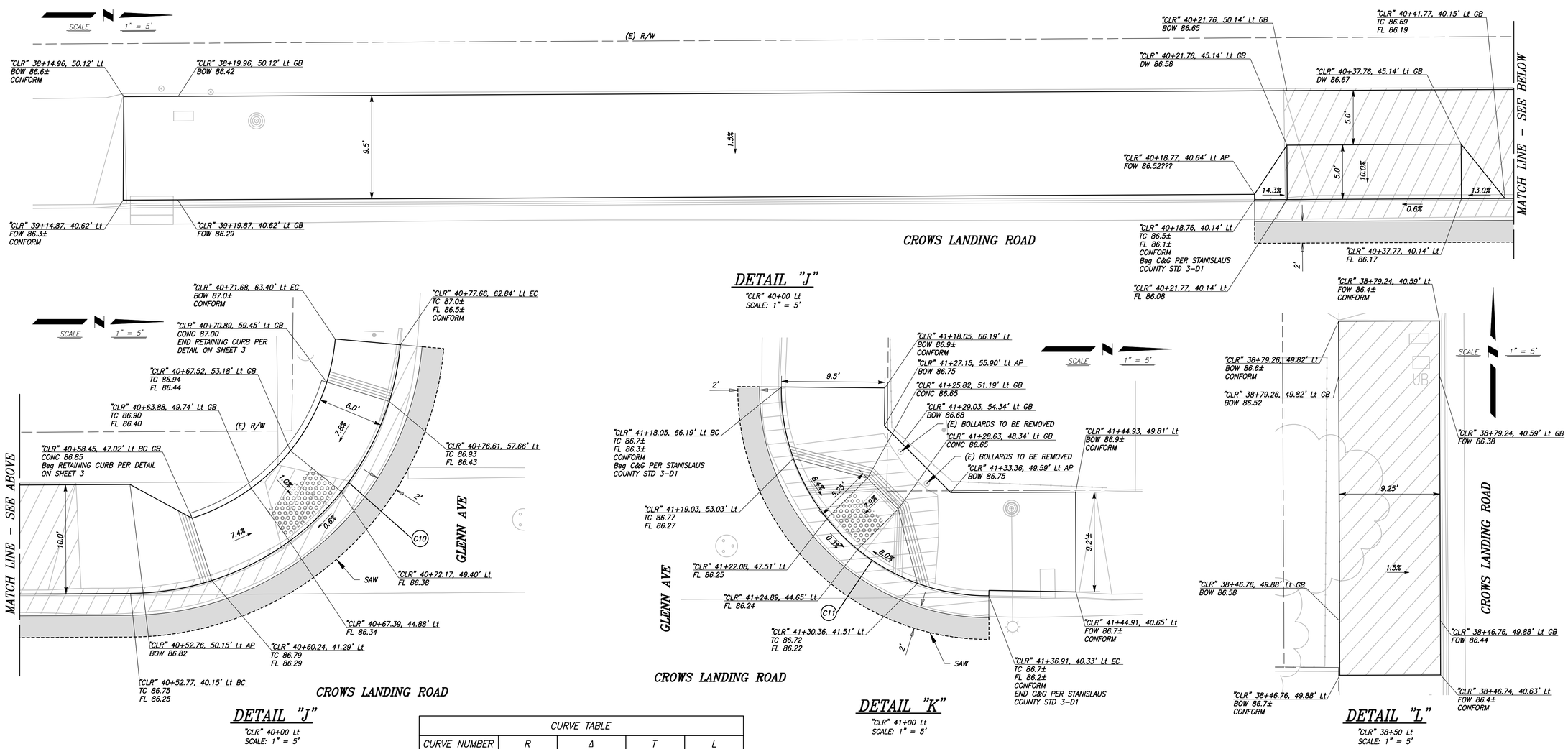
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	

SHEET NUMBER
11
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CD1-CD5.dwg PLOT DATE:2/28/2020 11:29:53 AM CAD USER: JREGIER



DETAIL "J"

"CLR" 40+00 Lt
SCALE: 1" = 5'

DETAIL "J"

"CLR" 40+00 Lt
SCALE: 1" = 5'

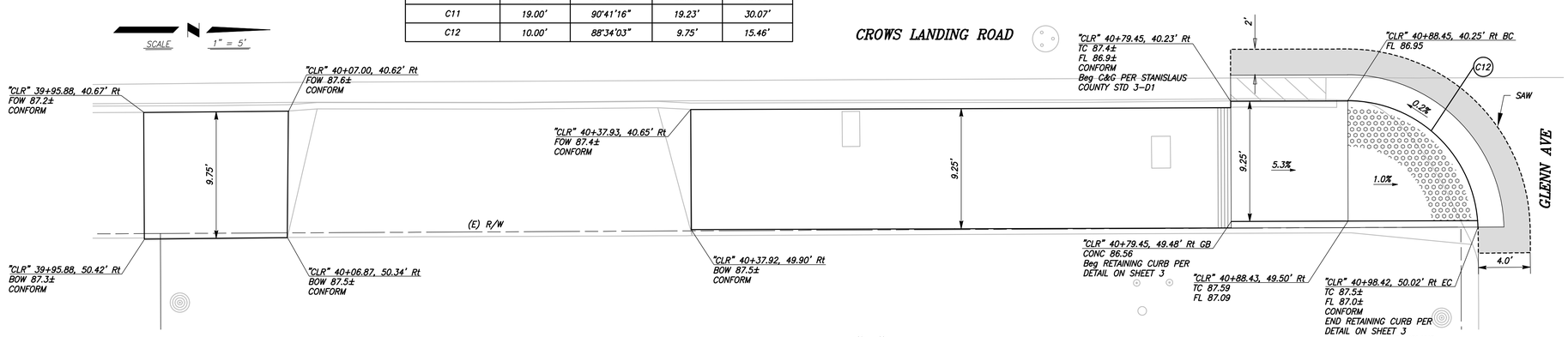
DETAIL "K"

"CLR" 41+00 Lt
SCALE: 1" = 5'

DETAIL "L"

"CLR" 38+50 Lt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C10	25.00'	84°42'22"	22.79'	36.96'
C11	19.00'	90°41'16"	19.23'	30.07'
C12	10.00'	88°34'03"	9.75'	15.46'



DETAIL "M"

"CLR" 40+00 TO 41+00 Rt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

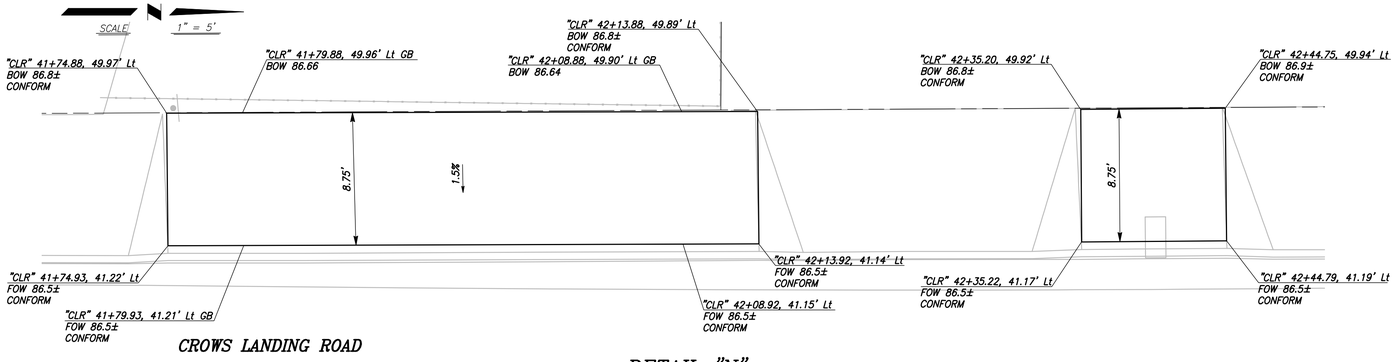
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

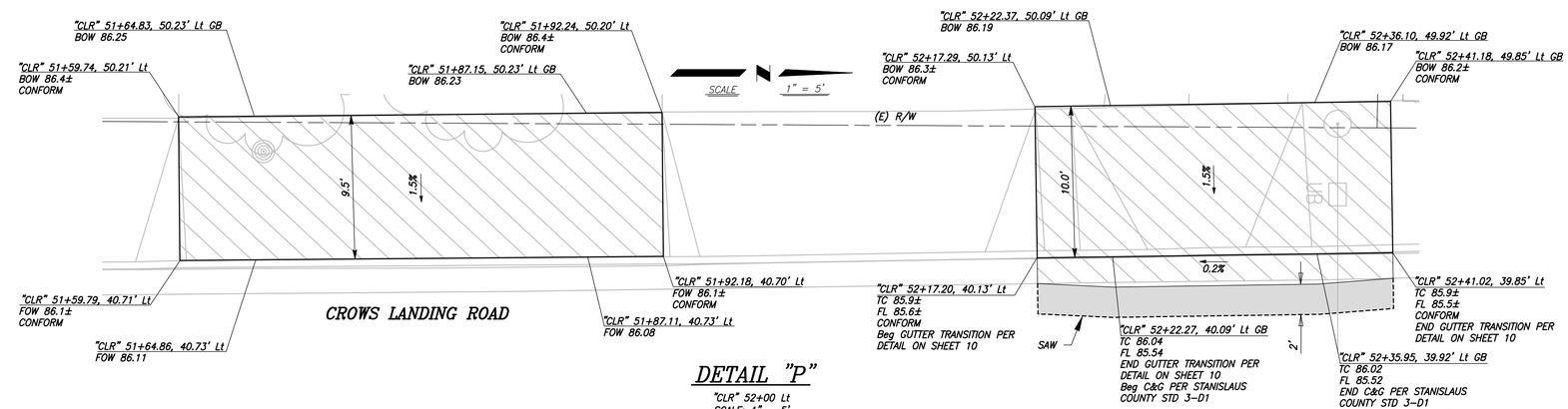
SHEET NUMBER
12
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_C01-C05.dwg PLOT DATE:2/28/2020 11:29:26 AM CAD USER: JREGIER



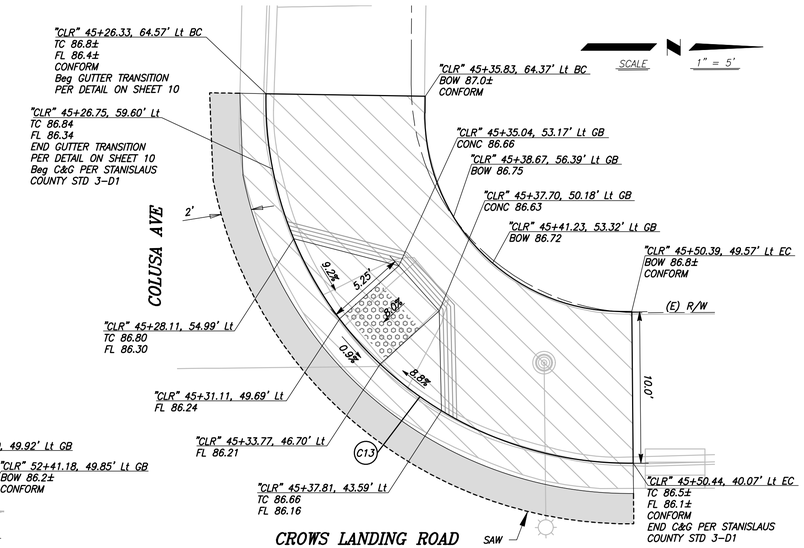
DETAIL "N"

"CLR" 42+00 Lt
SCALE: 1" = 5'



DETAIL "P"

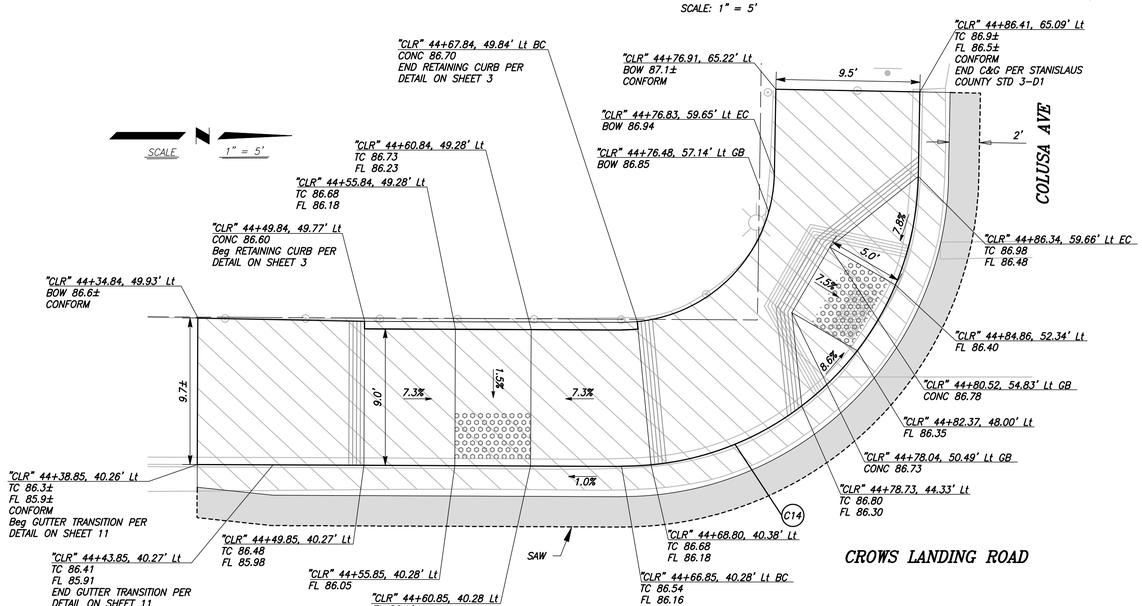
"CLR" 52+00 Lt
SCALE: 1" = 5'



DETAIL "O"

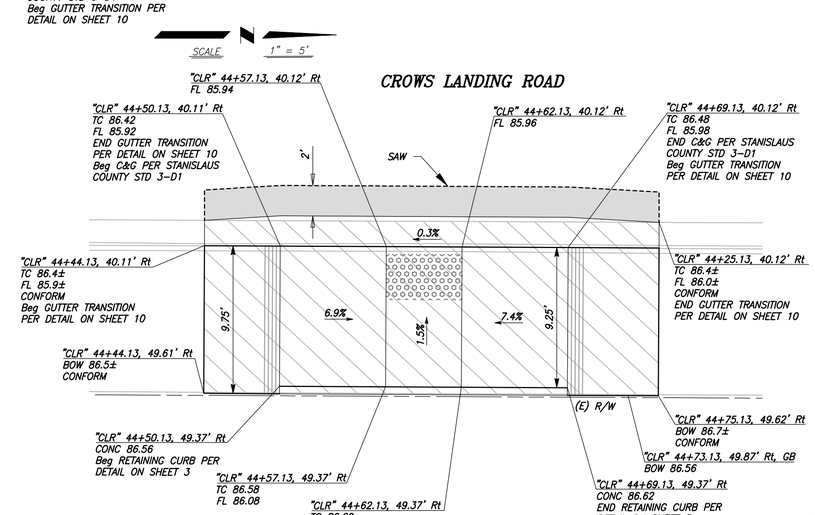
"CLR" 45+00 Lt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C13	24.00'	91°27'31"	24.62'	38.31'
C14	19.50'	89°10'28"	19.22'	30.35'



DETAIL "Q"

"CLR" 44+50 Lt
SCALE: 1" = 5'



DETAIL "R"

"CLR" 44+50 Rt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

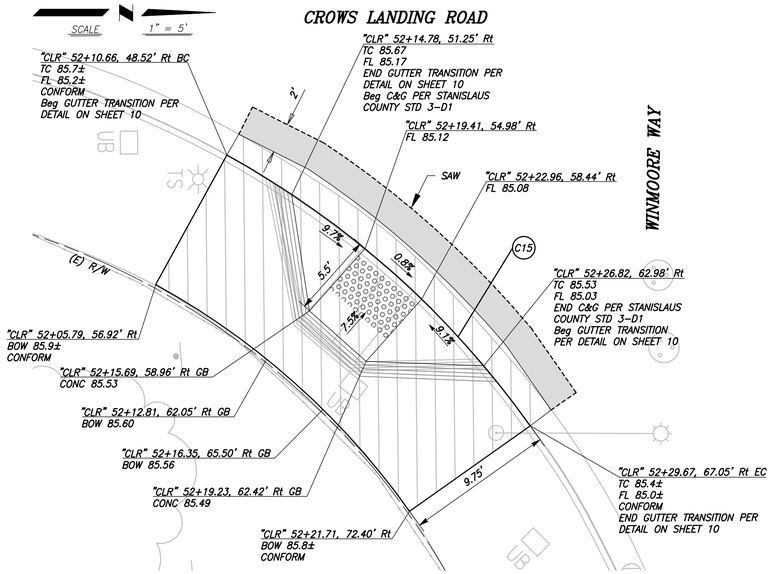
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	

SHEET NUMBER
13
OF 35 SHEETS

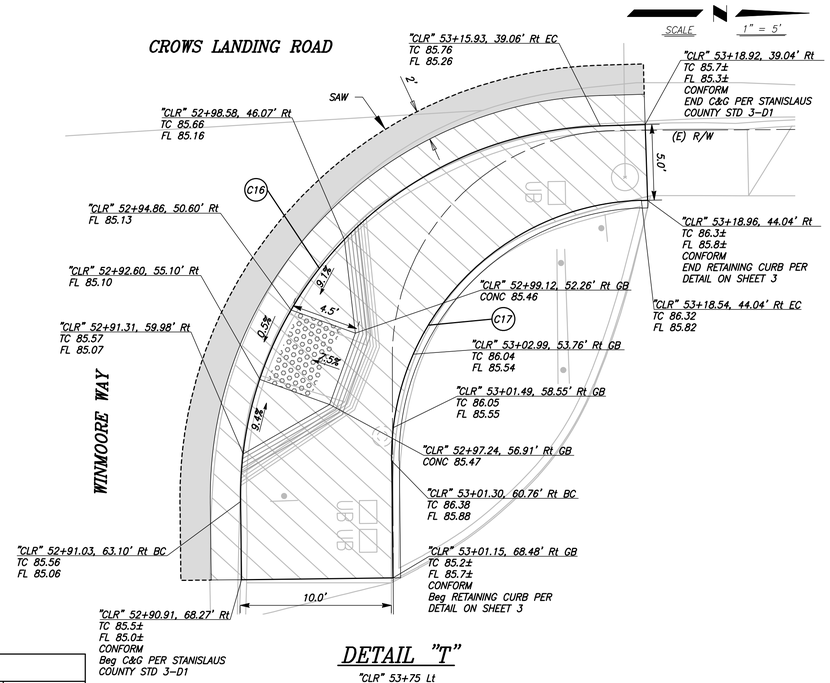
PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CD1-CD5.dwg PLOT DATE:2/28/2020 11:28:39 AM CAD USER: JREGIER



DETAIL "S"

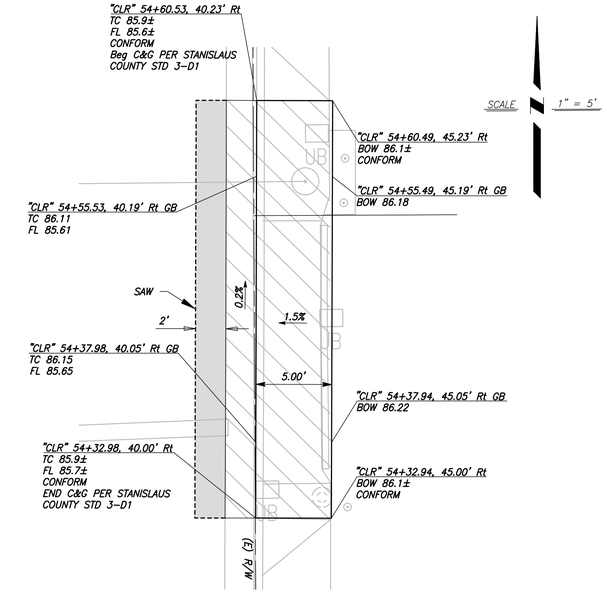
"CLR" 52+25 Lt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C15	60.00'	25°49'14"	13.75'	27.04'
C16	24.50'	88°52'54"	24.03'	38.01'
C17	17.00'	88°52'54"	16.67'	26.37'
C18	15.00'	52°30'32"	7.40'	13.75'
C19	24.00'	83°30'33"	21.42'	34.98'
C20	24.00'	90°15'00"	24.10'	37.80'



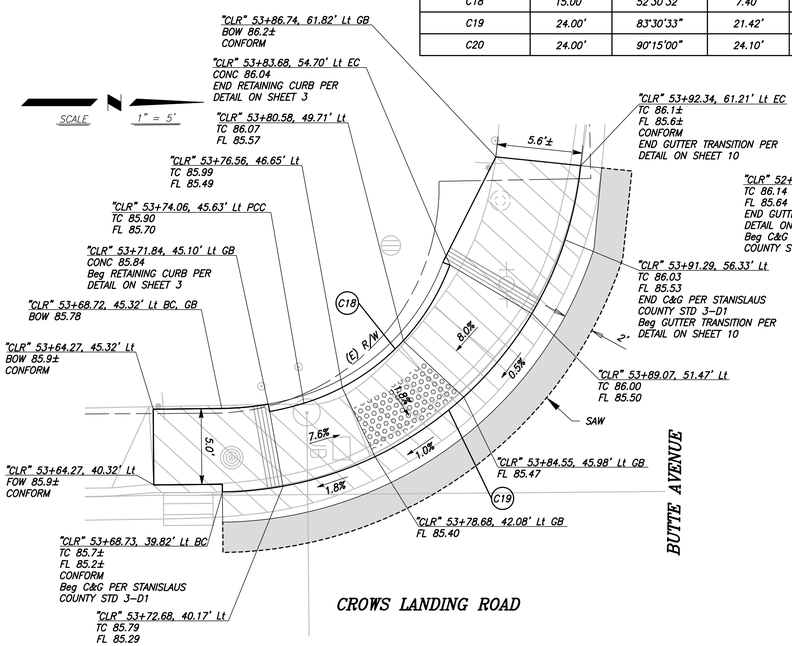
DETAIL "T"

"CLR" 53+75 Lt
SCALE: 1" = 5'



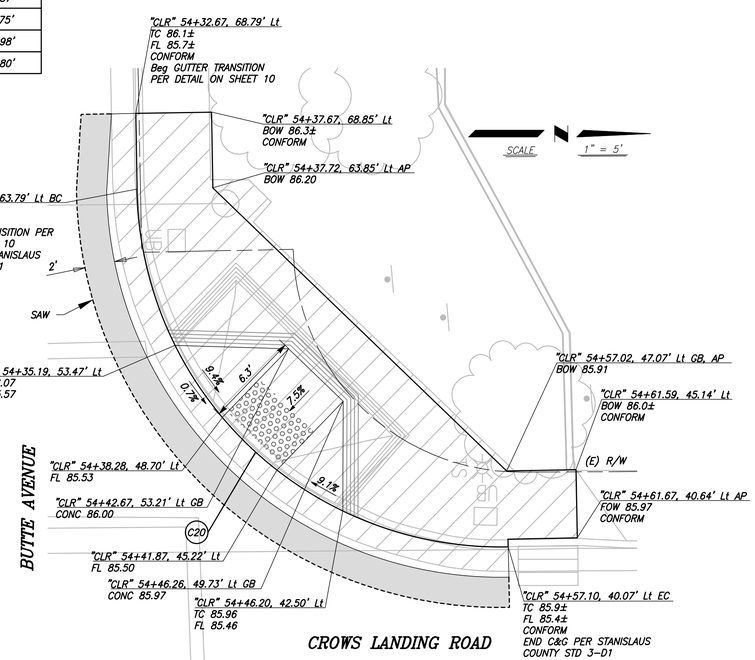
DETAIL "U"

"CLR" 54+50 Rt
SCALE: 1" = 5'



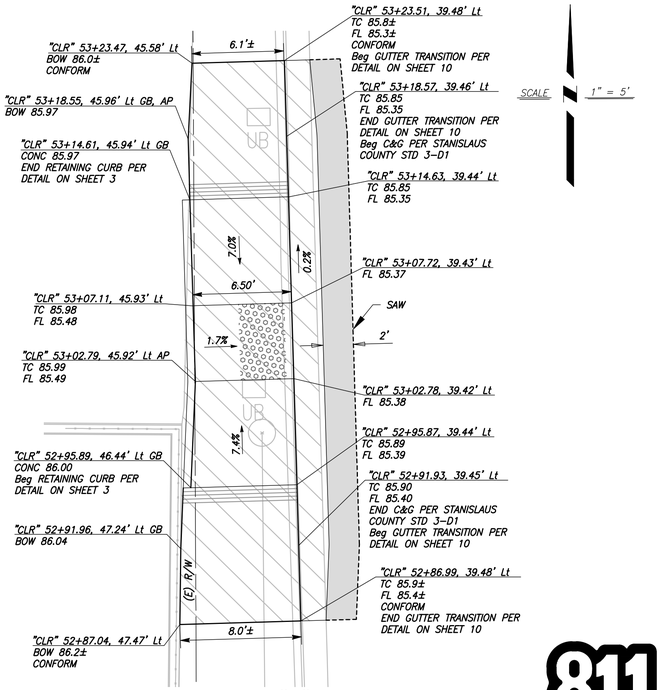
DETAIL "V"

"CLR" 53+75 Lt
SCALE: 1" = 5'



DETAIL "W"

"CLR" 54+50 Lt
SCALE: 1" = 5'



DETAIL "X"

"CLR" 53+00 Lt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

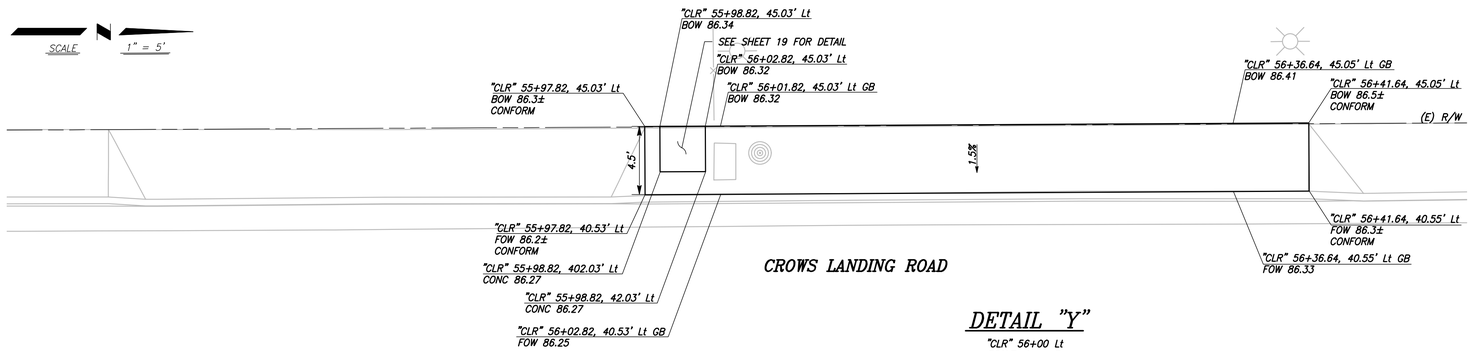
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

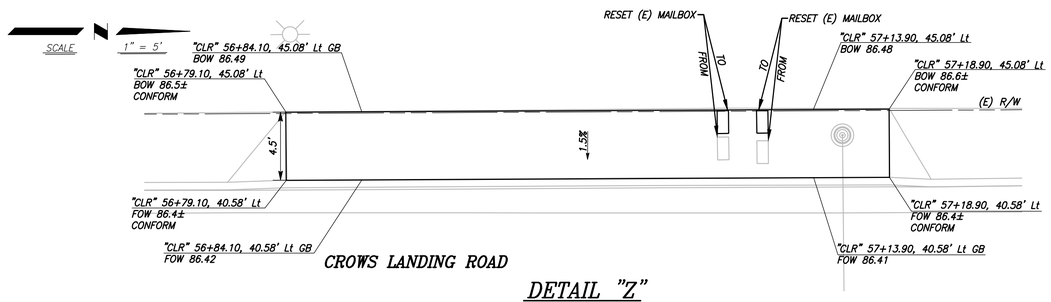
SHEET NUMBER 14
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CD1-CD5.dwg PLOT DATE:2/28/2020 11:28:12 AM CAD USER: JREGIER



DETAIL "Y"

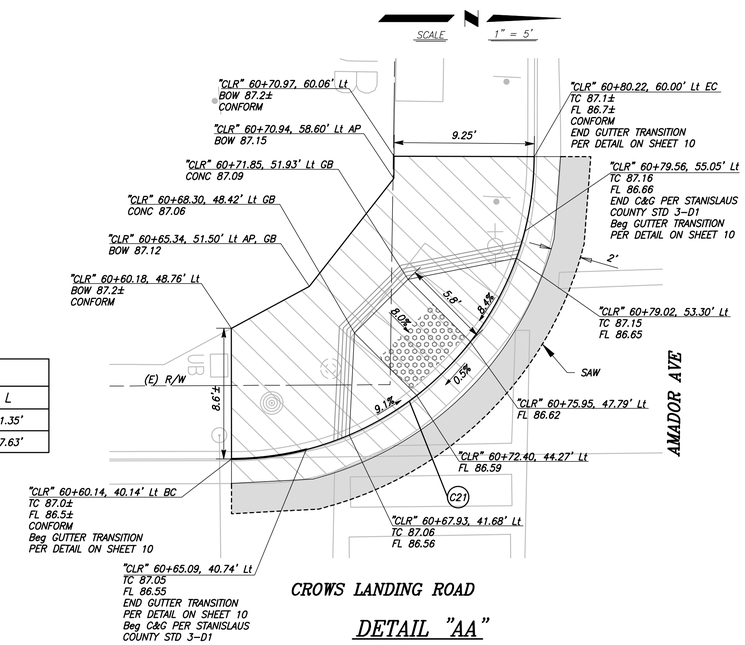
"CLR" 56+00 Lt
SCALE: 1" = 5'



DETAIL "Z"

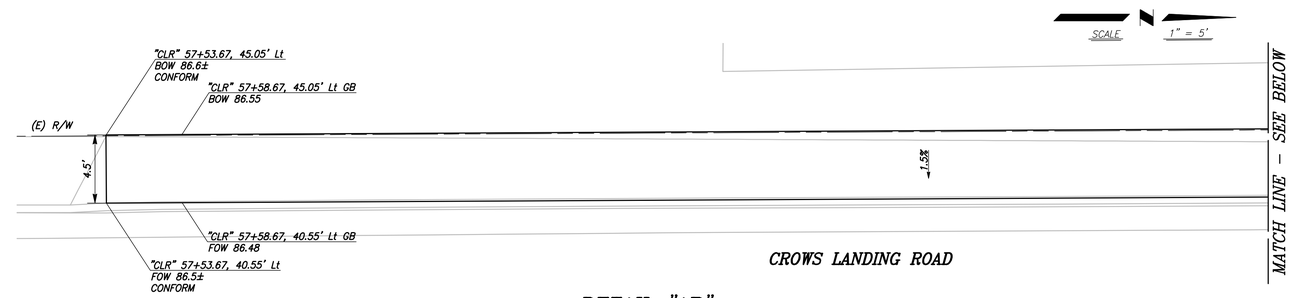
"CLR" 57+00 Lt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C21	20.00'	89°49'21"	19.94'	31.35'
C22	24.00'	89°50'17"	23.93'	37.63'



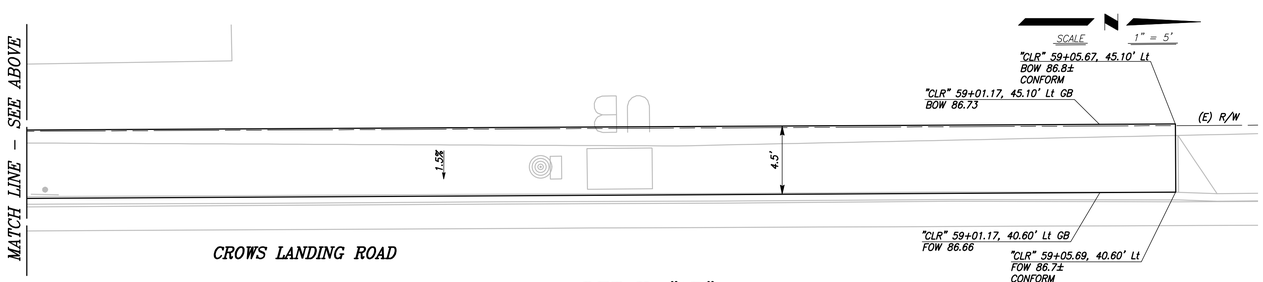
DETAIL "AA"

"CLR" 60+50 Lt
SCALE: 1" = 5'



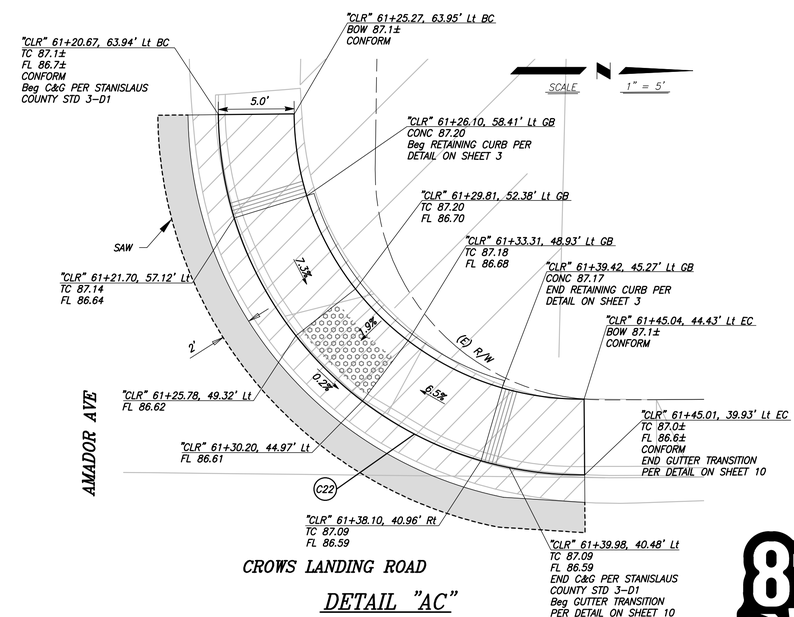
DETAIL "AB"

"CLR" 57+50 Lt
SCALE: 1" = 5'



DETAIL "AB"

"CLR" 59+00 Lt
SCALE: 1" = 5'



DETAIL "AC"

"CLR" 61+50 Lt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

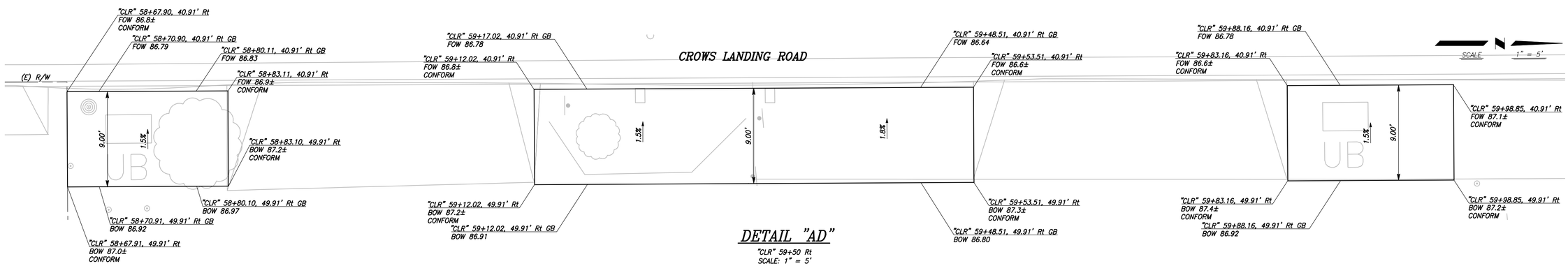
CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

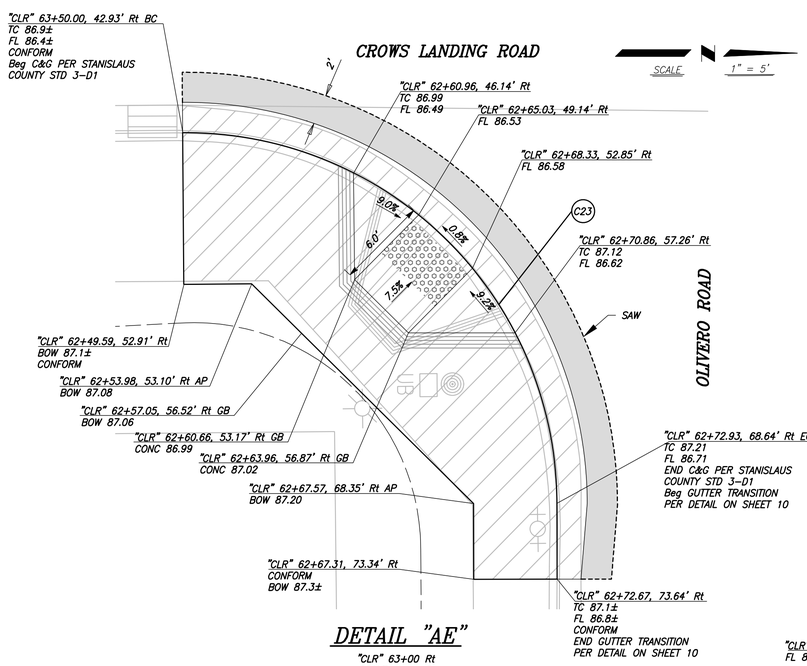
SHEET NUMBER
15
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CD1-CD5.dwg PLOT DATE:2/28/2020 11:21:21 AM CAD USER: JREGIER



DETAIL "AD"

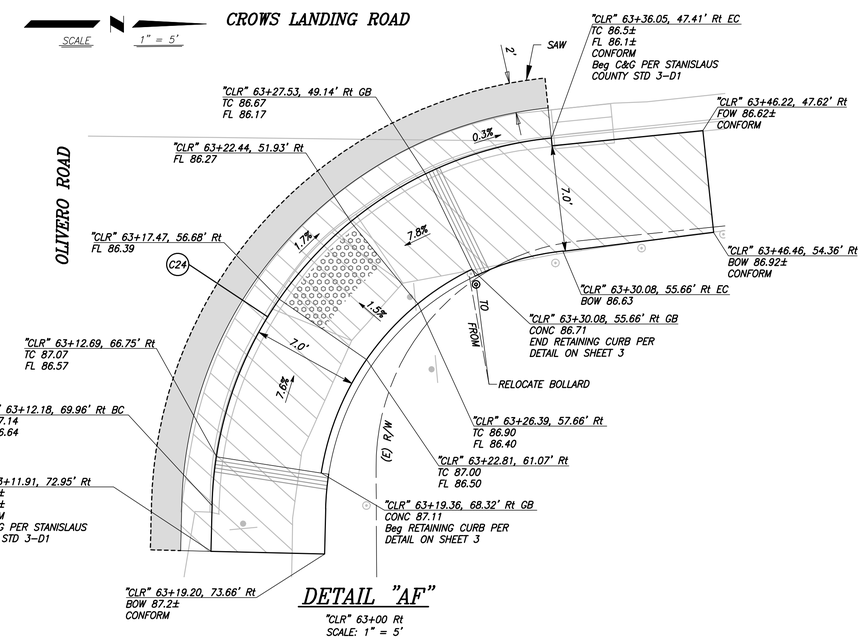
"CLR" 59+50 Rt
SCALE: 1" = 5'



DETAIL "AE"

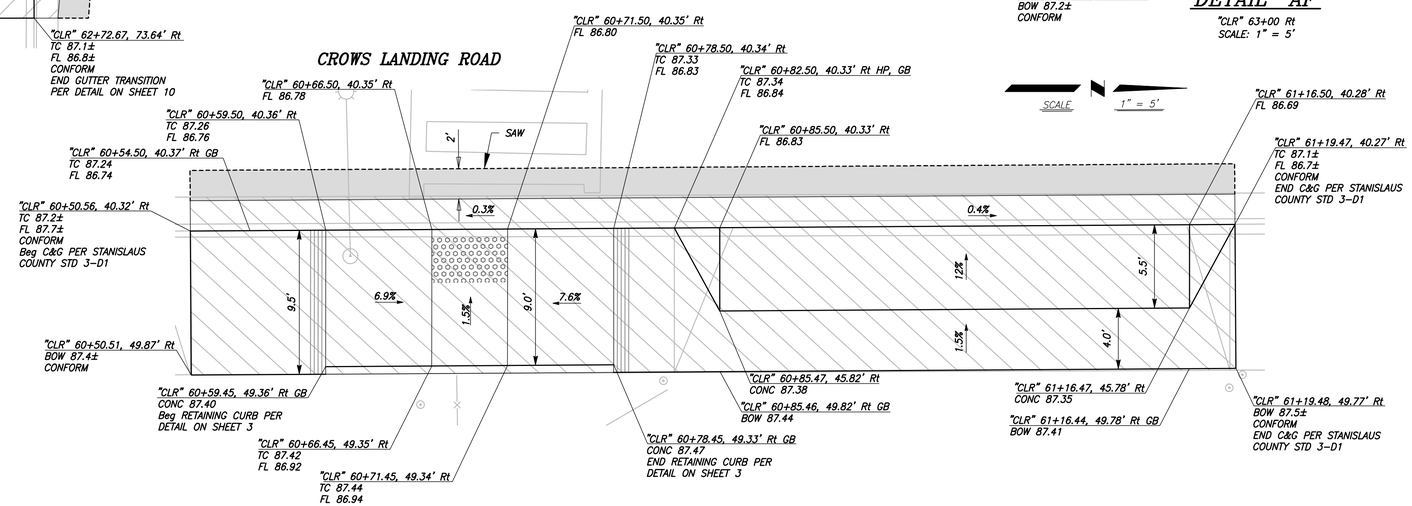
"CLR" 63+00 Rt
SCALE: 1" = 5'

CURVE TABLE				
CURVE NUMBER	R	Δ	T	L
C23	24.50'	90°20'09"	24.64'	38.63'
C24	25.00'	82°36'54"	21.97'	36.05'



DETAIL "AF"

"CLR" 63+00 Rt
SCALE: 1" = 5'



DETAIL "AG"

"CLR" 60+50 Rt
SCALE: 1" = 5'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

CONSTRUCTION DETAILS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

SHEET NUMBER
16
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CD1-CD5.dwg PLOT DATE:2/28/2020 11:20:57 AM CAD USER: JREGIER

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES 48 HOURS PRIOR TO WORKING AROUND ANY OF THEIR UNDERGROUND UTILITIES FOR VERIFICATION AT THE SITE OF ANY POSSIBLE CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
2. THE TYPES, LOCATIONS, SIZES AND DEPTHS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. THE COUNTY OF STAN AND ITS CONSULTANT, MARK THOMAS & COMPANY INC., CAN NOT ASSUME THE RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UTILITIES NOR THE EXISTENCE OF OTHER BURIED OBJECTS OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL VERIFY ALL FIELD MEASUREMENTS PRIOR TO INSTALLATION.
4. FOR UTILITY CONTACT INFORMATION SEE SHEET 2.
5. ALL ADJUSTMENTS TO GRADE OF UTILITIES SHALL BE MADE TO THE FINISHED GRADE OF EITHER THE PAVEMENT OR MEDIAN AROUND THE COVER.

LEGEND:

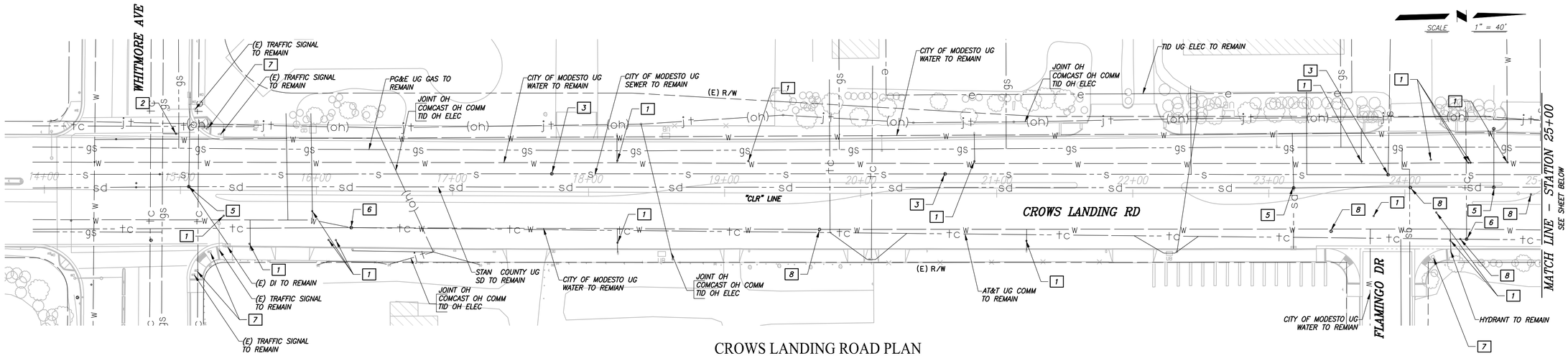
—— gs ——	PG&E GAS
—— s ——	CITY OF MODESTO SEWER
—— sd ——	STAN COUNTY STORM DRAIN
—— tc ——	GENERAL COMMUNICATION
—— w ——	CITY OF MODESTO WATER
—— jt —— (oh) ——	JOINT OH

ABBREVIATIONS:

AT&T	AMERICAN TELEPHONE & TELEGRAPH
COMM	COMMUNICATION
DI	DRAINAGE INLET
MH	MANHOLE
OH	OVERHEAD
PG&E	PACIFIC GAS & ELECTRIC
TID	TURLOCK IRRIGATION DISTRICT
UG	UNDERGROUND

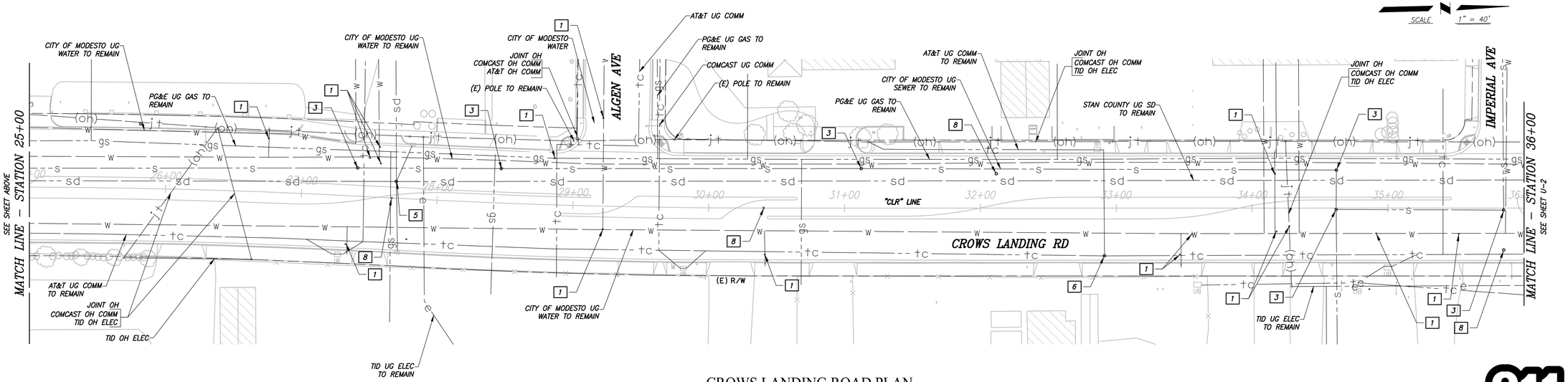
UTILITY NOTES:

1. ADJUST (E) WATER VALVE BOX TO GRADE
2. ADJUST (E) PG&E GAS VALVE TO GRADE (BY OTHERS)
3. ADJUST (E) SEWER MH TO GRADE
4. ADJUST (E) AT&T COMM BOX TO GRADE (BY OTHERS)
5. ADJUST (E) STORM DRAIN MH TO GRADE
6. ADJUST (E) AT&T COMM MH TO GRADE (BY OTHERS)
7. ADJUST (E) ELEC BOX TO GRADE
8. ADJUST (E) FACILITY TO GRADE
9. ADJUST (E) PG&E GAS ETS TO GRADE (BY OTHERS)



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

UTILITY PLAN

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"= 40'

SHEET NUMBER 17 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_U1-U3.dwg PLOT DATE:2/28/2020 11:19:48 AM CAD USER: JREGIER

LEGEND:

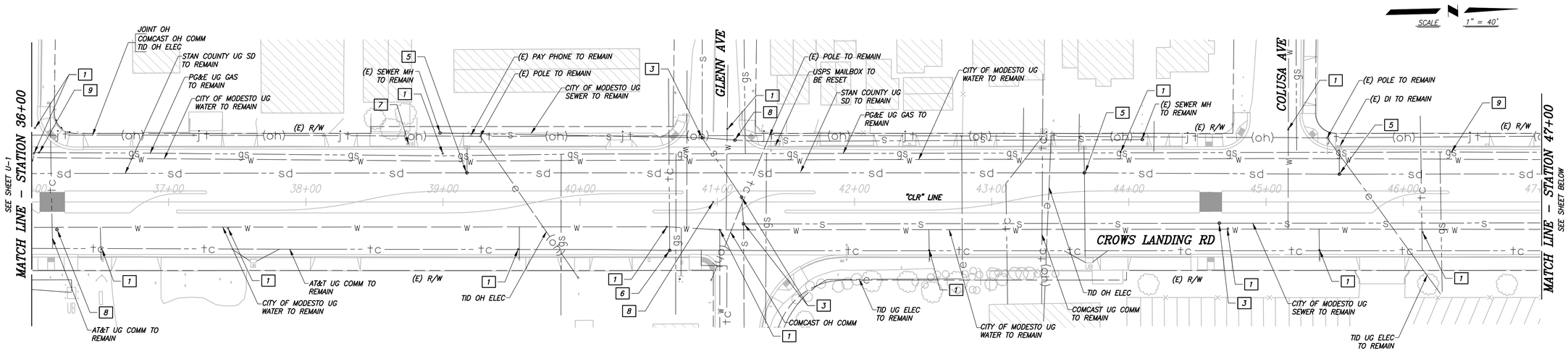
—— gs ——	PG&E GAS
—— s ——	CITY OF MODESTO SEWER
—— sd ——	STAN COUNTY STORM DRAIN
—— tc ——	GENERAL COMMUNICATION
—— w ——	CITY OF MODESTO WATER
—— j —— (oh) ——	JOINT OH

ABBREVIATIONS:

AT&T	AMERICAN TELEPHONE & TELEGRAPH
COMM	COMMUNICATION
DI	DRAINAGE INLET
MH	MANHOLE
OH	OVERHEAD
PG&E	PACIFIC GAS & ELECTRIC
TID	TURLOCK IRRIGATION DISTRICT
UG	UNDERGROUND

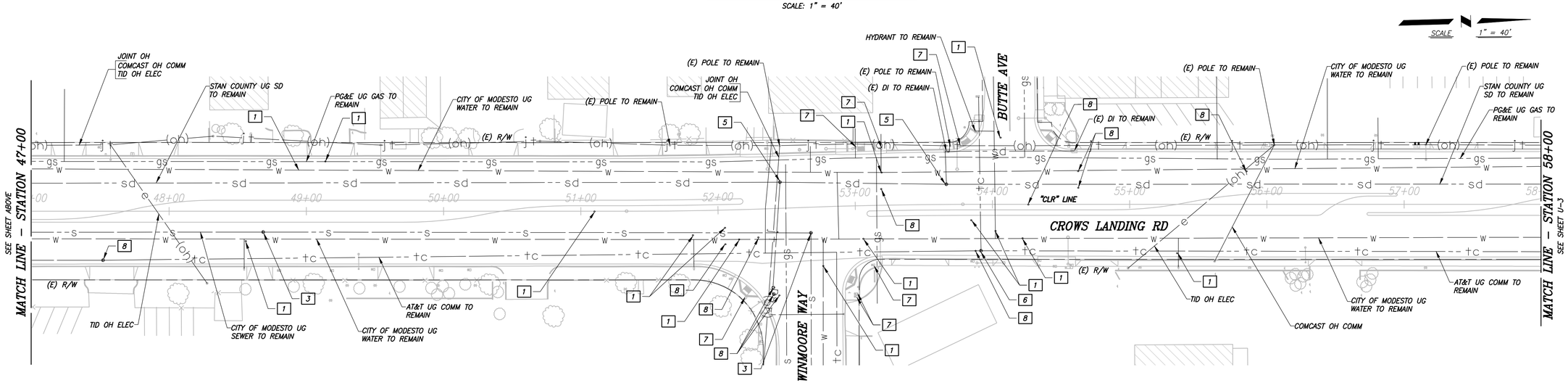
UTILITY NOTES:

1. ADJUST (E) WATER VALVE BOX TO GRADE
2. ADJUST (E) PG&E GAS VALVE TO GRADE (BY OTHERS)
3. ADJUST (E) SEWER MH TO GRADE
4. ADJUST (E) AT&T COMM BOX TO GRADE (BY OTHERS)
5. ADJUST (E) STORM DRAIN MH TO GRADE
6. ADJUST (E) AT&T COMM MH TO GRADE (BY OTHERS)
7. ADJUST (E) ELEC BOX TO GRADE
8. ADJUST (E) FACILITY TO GRADE
9. ADJUST (E) PG&E GAS ETS TO GRADE (BY OTHERS)



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF: DATE:

REVISIONS

NO	DESCRIPTIONS	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER — EDGAR A. NORIEGA — No. 61535 — Exp. 6/30/21 — CIVIL — STATE OF CALIFORNIA

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

UTILITY PLAN

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"= 40'

SHEET NUMBER 18 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_U1-U3.dwg PLOT DATE:2/28/2020 11:19:30 AM CAD USER: JREGIER

LEGEND:

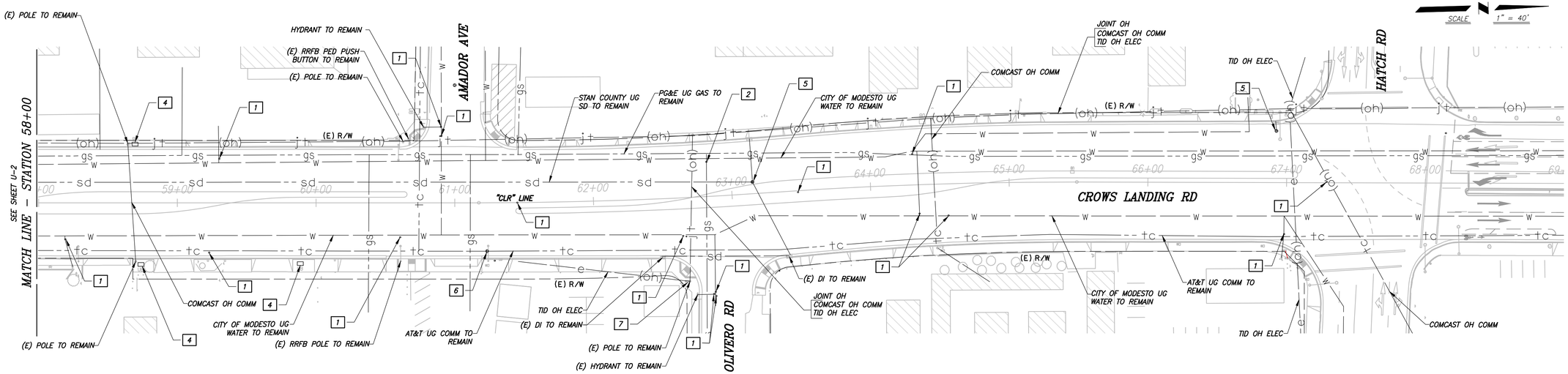
gs	PG&E GAS
s	CITY OF MODESTO SEWER
sd	STAN COUNTY STORM DRAIN
tc	GENERAL COMMUNICATION
w	CITY OF MODESTO WATER
j† (oh)	JOINT OH

ABBREVIATIONS:

AT&T	AMERICAN TELEPHONE & TELEGRAPH
COMM	COMMUNICATION
DI	DRAINAGE INLET
MH	MANHOLE
OH	OVERHEAD
PG&E	PACIFIC GAS & ELECTRIC
TID	TURLOCK IRRIGATION DISTRICT
UG	UNDERGROUND

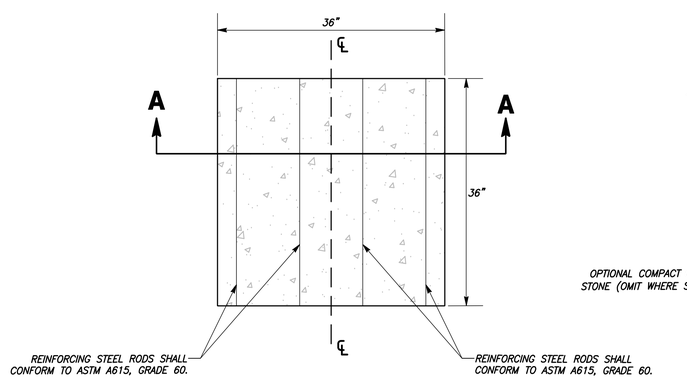
UTILITY NOTES:

1. ADJUST (E) WATER VALVE BOX TO GRADE
2. ADJUST (E) PG&E GAS VALVE TO GRADE (BY OTHERS)
3. ADJUST (E) SEWER MH TO GRADE
4. ADJUST (E) AT&T COMM BOX TO GRADE (BY OTHERS)
5. ADJUST (E) STORM DRAIN MH TO GRADE
6. ADJUST (E) AT&T COMM MH TO GRADE (BY OTHERS)
7. ADJUST (E) ELEC BOX TO GRADE
8. ADJUST (E) FACILITY TO GRADE
9. ADJUST (E) PG&E GAS ETS TO GRADE (BY OTHERS)

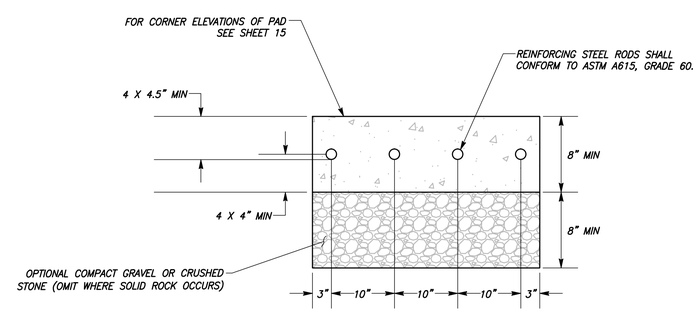


CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



PLAN VIEW



SECTION A-A

NOTES:

1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS, CONTAIN 4% MIN – 6% MAX AIR ENTRAINMENT AND BE PLACED WITH A 3.50 – 4.50 SLUMP IN ACCORDANCE WITH ACI 301.

CONCRETE PAD FOR USPS BOX DETAIL

NOT TO SCALE

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	REVISIONS DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

UTILITY PLAN

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"= 40'

SHEET NUMBER
19
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_U1-U3.dwg PLOT DATE:2/28/2020 11:19:13 AM CAD USER: JREGIER

GENERAL NOTES

1. LOCATIONS OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. ALL SIGN LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
2. ALL TRAFFIC CONTROL SHALL CONFORM WITH THE MOST RECENT CALTRANS STANDARD PLANS AND THE CALIFORNIA MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL SHALL BE APPROVED BY STANISLAUS COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO CONSTRUCTION.
3. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED TWO WEEKS PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO PROVIDE REASONABLE MEANS FOR PROPERTY OWNERS ADJACENT CONSTRUCTION TO ACCESS PROPERTIES AT ALL TIMES. A MINIMUM OF ONE (1) DRIVEWAY SHALL REMAIN OPEN PER SHOPPING CENTER DURING CONSTRUCTION. CONTRACTOR TO COORDINATE ANY DRIVEWAY CLOSURES WITH PROPERTY OWNERS BEFORE REMOVING ACCESS.
5. CONTRACTOR TO PLACE FUNDING SIGNS OUTSIDE OF SIDEWALK. ADA PATH AROUND SIGNS MUST BE MAINTAINED. THE PLACEMENT OF FUNDING SIGN SOUTH OF WHITMORE AVE SHALL BE IN LANDSCAPED STRIP NEXT TO SIDEWALK. THE FUNDING SIGN BEING PLACED NORTH OF HATCH RD SHALL BE LOCATED IN EMPTY TREE WELL.

LEGEND

PROJECT CONSTRUCTION AREA

CONSTRUCTION AREA SIGN SINGLE POST

CHANGEABLE MESSAGE SIGN (CMS)

SIGN LEGEND

1

W20-1

48X48

2

G20-2

36X18

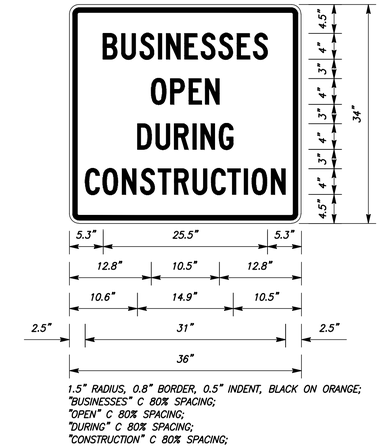
3

CUSTOM

36X34

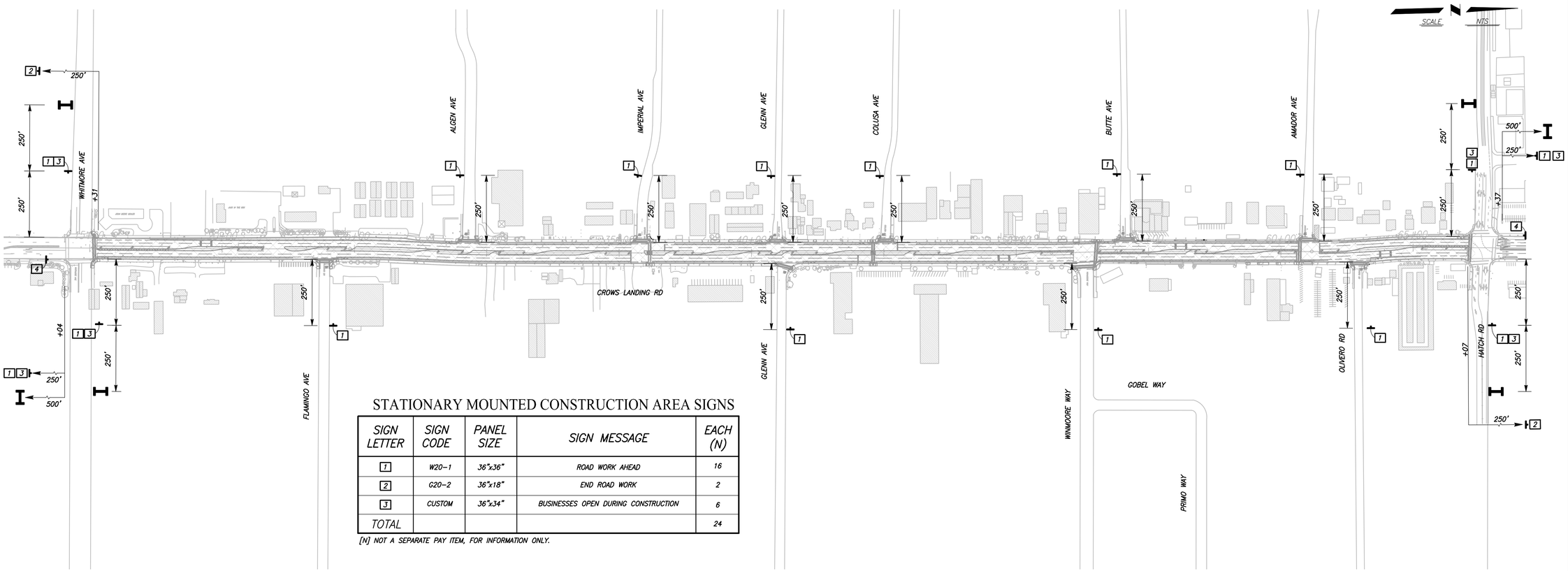
4

FUNDING SIGN (TO BE SUPPLIED BY COUNTY)



1.5" RADIUS, 0.8" BORDER, 0.5" INDENT, BLACK ON ORANGE;
"BUSINESSES" C 80% SPACING;
"OPEN" C 80% SPACING;
"DURING" C 80% SPACING;
"CONSTRUCTION" C 80% SPACING;

CUSTOM CONSTRUCTION SIGN DETAIL



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN LETTER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	EACH (N)
1	W20-1	36"x36"	ROAD WORK AHEAD	16
2	G20-2	36"x18"	END ROAD WORK	2
3	CUSTOM	36"x34"	BUSINESSES OPEN DURING CONSTRUCTION	6
TOTAL				24

[N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

CONSTRUCTION AREA SIGNS

SCALE: NTS

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

CONSTRUCTION AREA SIGNS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE NTS

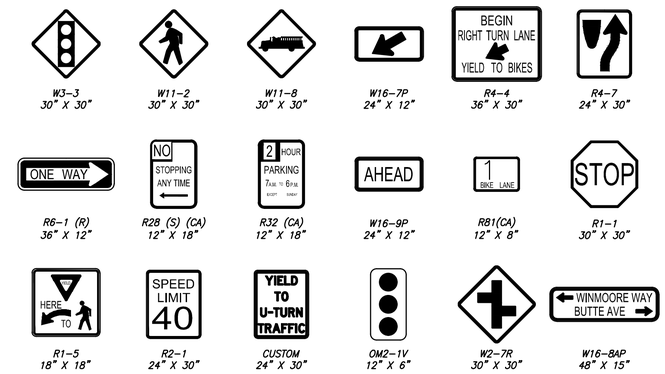
SHEET NUMBER 20 OF 35 SHEETS

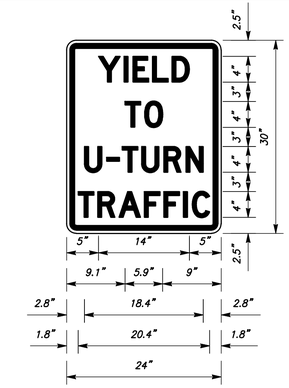
PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_CS1.dwg PLOT DATE:2/28/2020 11:18:03 AM CAD USER: JREGIER

LEGEND

- DENOTES PROPOSED DETAIL NUMBER PER CALTRANS STD PLANS
- STRIPING DETAIL NUMBER
- CHANGE IN TRAFFIC STRIPE
- TYPE III (L) ARROW PER CALTRANS STD PLAN A24B
- BIKE LANE SYMBOL WITH PERSON PER CALTRANS STD PLAN A24C AND BIKE LANE ARROW PER CALTRANS STD PLAN A24A
- AHEAD "AHEAD" MARKING PER CALTRANS STD PLAN A24D
- SIGNAL "SIGNAL" MARKING PER CALTRANS STD PLAN A24D
- STOP "STOP" MARKING PER CALTRANS STD PLAN A24D
- XW TRIPLE FOUR CROSSWALK-MARKINGS PER CALTRANS STD PLAN A24F
- YXW YELLOW TRIPLE FOUR CROSSWALK-MARKINGS PER CALTRANS STD PLAN A24F
- LL 12" WIDE WHITE LIMIT LINE
- YL YIELD LINE PER CALTRANS STD PLAN A24E
- /// REMOVE EXISTING STRIPPING AND MARKING (HARZARDOUS MATERIAL) PER LEAD COMPLIANCE PLAN
- SNS STREET NAME SIGN
- EXISTING SINGLE POST ROADSIDE SIGN
- PROPOSED SINGLE POST ROADSIDE SIGN
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE RESET
- (R) EXISTING SIGN TO BE REMOVED AND SALVAGED
- INSTALL ROADSIDE SIGN

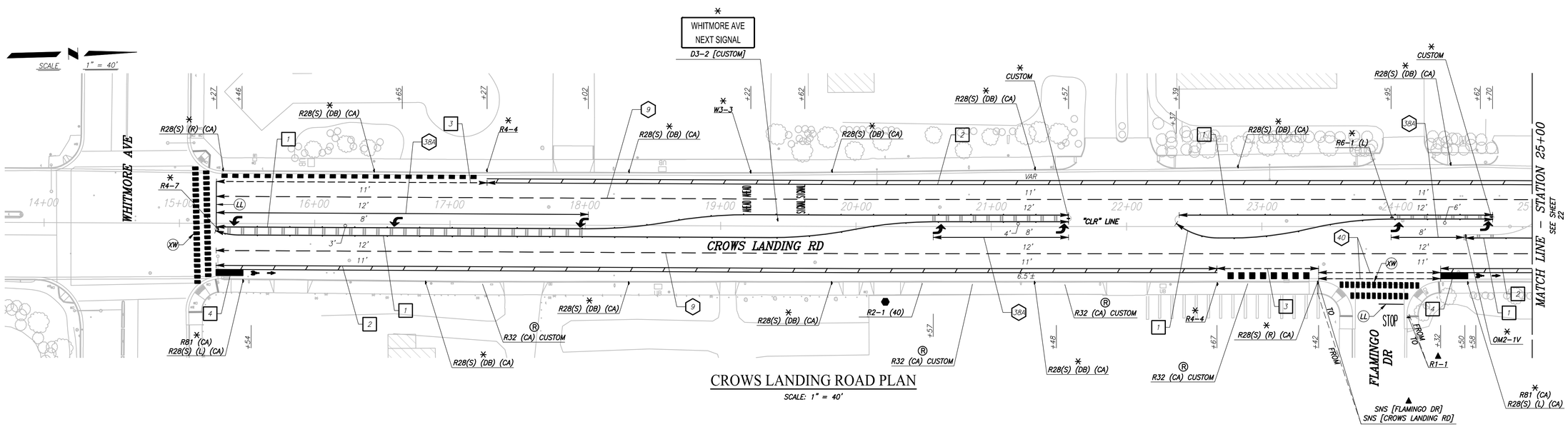
SIGN LEGEND





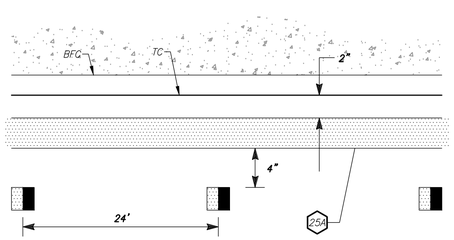
NOTES: 1.5" RADIUS, 0.8" BORDER, 0.5" INDENT, BLACK ON WHITE;
"YIELD" D 80% SPACING;
"TO" D 80% SPACING;
"U-TURN" D 80% SPACING;
"TRAFFIC" D 80% SPACING;

CUSTOM REGULATORY SIGN DETAIL

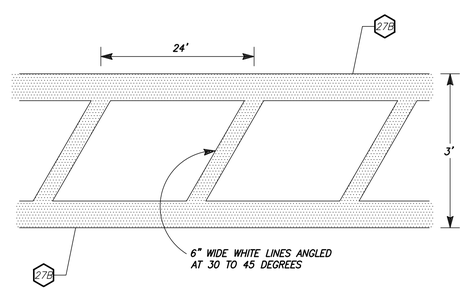


CROWS LANDING ROAD PLAN

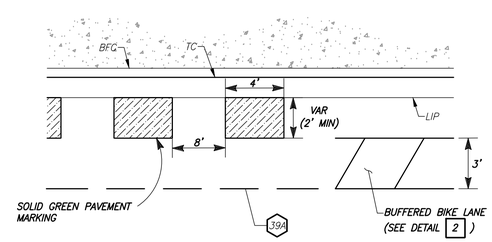
SCALE: 1" = 40'



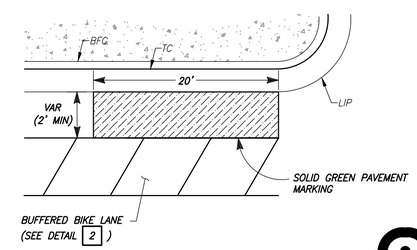
1 MEDIAN STRIPING DETAIL
NTS



2 BUFFERED BIKE LANE DETAIL
NTS



3 RIGHT TURN CONFLICT AREA DETAIL
NTS



4 BIKE LANE BLOCK DETAIL
NTS

811 CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

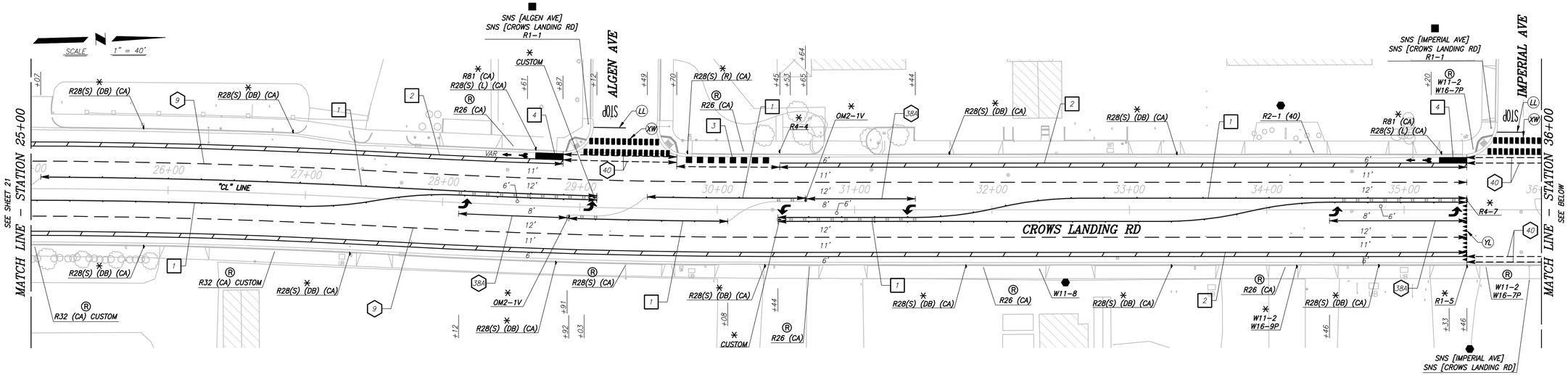
SIGNAGE AND STRIPING

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"= 40'

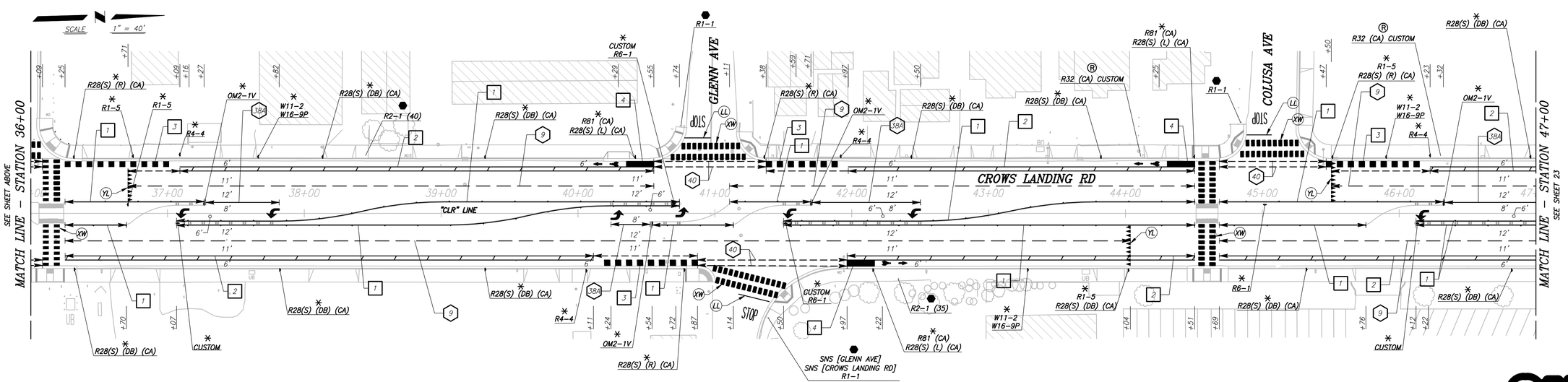
SHEET NUMBER 21 OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_SS1-SS3.dwg PLOT DATE:2/28/2020 11:17:20 AM CAD USER: JREGIER



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

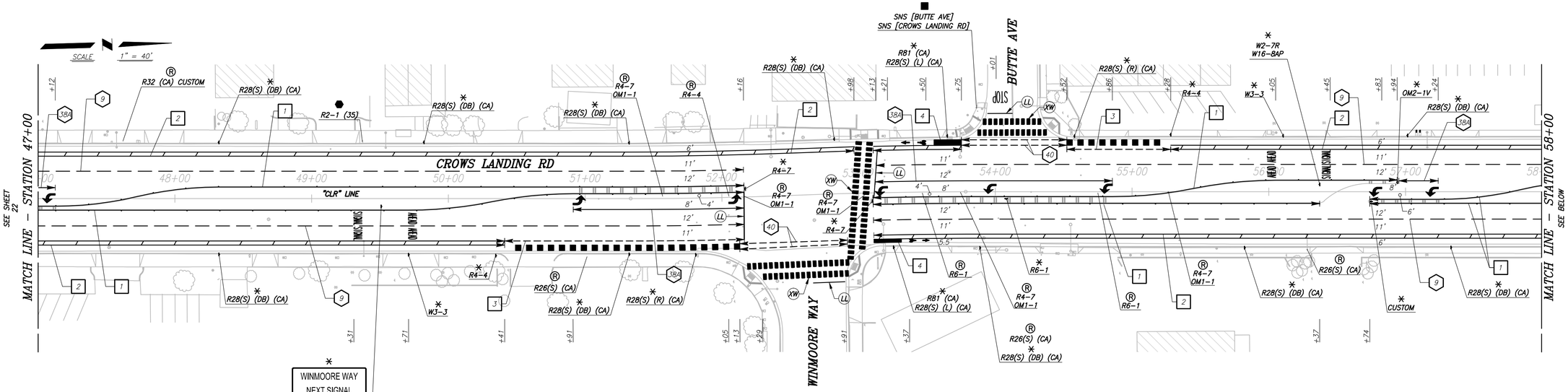
SIGNAGE AND STRIPING

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE 1"= 40'

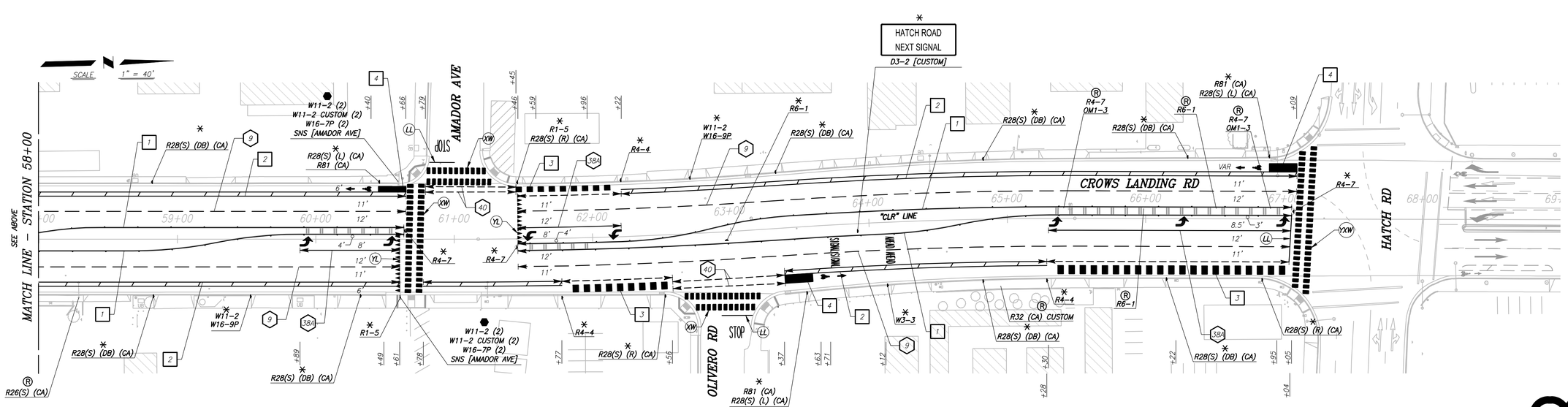
SHEET NUMBER
22
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_SS1-SS3.dwg PLOT DATE:2/28/2020 11:15:36 AM CAD USER: JREGIER



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'



CROWS LANDING ROAD PLAN

SCALE: 1" = 40'

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY

DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

SIGNAGE AND STRIPING

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	JAR
CK BY	EAN
SURVEY	
CONST.	
SCALE	1"= 40'

SHEET NUMBER
23
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_SS1-SS3.dwg PLOT DATE:2/28/2020 11:15:09 AM CAD USER: JREGIER

TRAFFIC STRIPES AND PAVEMENT MARKINGS

LOCATION/STATION	DIRECTION	DETAIL No.	6" THERMOPLASTIC STRIPE		8" WHITE SOLID THERMOPLASTIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	SOLID GREEN PAVEMENT MARKING	DESCRIPTION/COMMENTS
			WHITE SOLID	YELLOW SOLID				
			LF	LF	LF	SQFT	SQFT	
"CLR" 15+27.19 TO 35+45.69	NB	9	2019					
"CLR" 36+25.24 TO 44+03.64	NB	9	779					
"CLR" 44+68.63 TO 52+15.78	NB	9	748					
"CLR" 53+10.52 TO 60+60.62	NB	9	750					
"CLR" 61+46.00 TO 67+04.22	NB	9	558					
"CLR" 15+27.19 TO 35+45.65	SB	9	2019					
"CLR" 36+71.17 TO 40+55.38	SB	9	385					
"CLR" 41+10.74 TO 44+50.63	SB	9	340					
"CLR" 45+50.44 TO 52+16.31	SB	9	666					
"CLR" 53+13.39 TO 60+64.88	SB	9	752					
"CLR" 61+46.00 TO 67+09.04	SB	9	564					
"CLR" 15+26.67 TO 21+57.10	NB	25A		632				DETAIL 1: MEDIAN STRIPING
"CLR" 22+36.75 TO 24+70.57	NB	25A		237				DETAIL 1: MEDIAN STRIPING
"CLR" 24+50.57 TO 29+12.13	NB	25A		462				DETAIL 1: MEDIAN STRIPING
"CLR" 28+92.15 TO 30+07.65	NB	25A		116				DETAIL 1: MEDIAN STRIPING
"CLR" 30+44.17 TO 35+45.70	NB	25A		503				DETAIL 1: MEDIAN STRIPING
"CLR" 36+25.18 TO 36+70.08	NB	25A		45				DETAIL 1: MEDIAN STRIPING
"CLR" 37+06.74 TO 40+74.08	NB	25A		368				DETAIL 1: MEDIAN STRIPING
"CLR" 40+54.08 TO 41+13.57	NB	25A		60				DETAIL 1: MEDIAN STRIPING
"CLR" 41+50.24 TO 44+50.63	NB	25A		300				DETAIL 1: MEDIAN STRIPING
"CLR" 44+68.63 TO 46+75.73	NB	25A		107				DETAIL 1: MEDIAN STRIPING
"CLR" 46+12.39 TO 52+16.31	NB	25A		605				DETAIL 1: MEDIAN STRIPING
"CLR" 53+10.52 TO 56+37.29	NB	25A		326				DETAIL 1: MEDIAN STRIPING
"CLR" 56+73.95 TO 60+63.55	NB	25A		390				DETAIL 1: MEDIAN STRIPING
"CLR" 61+46.00 TO 67+05.41	NB	25A		560				DETAIL 1: MEDIAN STRIPING
"CLR" 15+27.19 TO 21+57.10	SB	25A		631				DETAIL 1: MEDIAN STRIPING
"CLR" 22+38.91 TO 24+70.57	SB	25A		232				DETAIL 1: MEDIAN STRIPING
"CLR" 25+07.15 TO 29+12.13	SB	25A		405				DETAIL 1: MEDIAN STRIPING
"CLR" 29+48.96 TO 30+64.17	SB	25A		115				DETAIL 1: MEDIAN STRIPING
"CLR" 30+44.17 TO 35+45.65	SB	25A		503				DETAIL 1: MEDIAN STRIPING
"CLR" 36+25.18 TO 37+26.74	SB	25A		102				DETAIL 1: MEDIAN STRIPING
"CLR" 37+06.74 TO 40+74.09	SB	25A		368				DETAIL 1: MEDIAN STRIPING
"CLR" 41+13.74 TO 41+70.24	SB	25A		57				DETAIL 1: MEDIAN STRIPING
"CLR" 41+50.24 TO 44+50.63	SB	25A		301				DETAIL 1: MEDIAN STRIPING
"CLR" 44+68.63 TO 46+32.38	SB	25A		164				DETAIL 1: MEDIAN STRIPING
"CLR" 46+12.39 TO 52+16.31	SB	25A		605				DETAIL 1: MEDIAN STRIPING
"CLR" 53+10.52 TO 57+93.95	SB	25A		384				DETAIL 1: MEDIAN STRIPING
"CLR" 56+73.95 TO 60+63.55	SB	25A		391				DETAIL 1: MEDIAN STRIPING
"CLR" 61+46.00 TO 67+05.41	SB	25A		561				DETAIL 1: MEDIAN STRIPING
"CLR" 20+57.10 TO 21+57.10	NB	38A			100			
"CLR" 23+95.57 TO 24+46.57	NB	38A			54			
"CLR" 28+12.01 TO 28+90.88	NB	38A			79			
"CLR" 34+45.70 TO 35+45.70	NB	38A			100			
"CLR" 40+24.08 TO 40+52.83	NB	38A			29			
"CLR" 50+91.24 TO 52+16.05	NB	38A			126			
"CLR" 59+88.55 TO 60+60.62	NB	38A			73			
"CLR" 65+29.76 TO 67+04.81	NB	38A			175			
"CLR" 15+27.19 TO 18+02.19	SB	38A			275			
"CLR" 30+65.17 TO 31+44.17	SB	38A			79			
"CLR" 37+27.99 TO 37+81.74	SB	38A			54			
"CLR" 41+71.23 TO 42+50.23	SB	38A			79			
"CLR" 46+33.39 TO 47+12.39	SB	38A			79			
"CLR" 53+12.29 TO 54+85.61	SB	38A			174			
"CLR" 56+95.20 TO 57+23.95	SB	38A			29			
"CLR" 61+46.00 TO 62+20.90	SB	38A			75			

LOCATION/STATION	DIRECTION	DETAIL No.	6" THERMOPLASTIC STRIPE		8" WHITE SOLID THERMOPLASTIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	SOLID GREEN PAVEMENT MARKING	DESCRIPTION/COMMENTS
			WHITE SOLID	YELLOW SOLID				
			LF	LF	LF	SQFT	SQFT	
"CLR" 23+41.93 TO 24+32.17	NB	40	181					
"CLR" 28+86.71 TO 29+70.01	SB	40	166					
"CLR" 35+45.65 TO 36+08.70	SB	40	126					
"CLR" 40+55.38 TO 41+37.52	SB	40	165					
"CLR" 40+87.36 TO 41+96.67	NB	40	219					
"CLR" 44+68.63 TO 45+46.74	SB	40	156					
"CLR" 52+12.21 TO 52+91.07	NB	40	158					
"CLR" 53+75.29 TO 54+52.34	SB	40	154					
"CLR" 60+79.20 TO 61+44.91	SB	40	131					
"CLR" 62+56.33 TO 63+36.78	NB	40	163					
"CLR" 35+45.69 TO 36+08.70	NB	40	126					
"CLR" 15+27.19 TO 22+66.93	NB	27B	1587					DETAIL 2: BUFFERED BIKE LANE
"CLR" 24+32.17 TO 35+45.69	NB	27B	2389					DETAIL 2: BUFFERED BIKE LANE
"CLR" 36+25.31 TO 40+11.36	NB	27B	831					DETAIL 2: BUFFERED BIKE LANE
"CLR" 41+96.67 TO 44+50.63	NB	27B	546					DETAIL 2: BUFFERED BIKE LANE
"CLR" 44+68.63 TO 50+41.10	NB	27B	1228					DETAIL 2: BUFFERED BIKE LANE
"CLR" 53+10.52 TO 60+60.62	NB	27B	1610					DETAIL 2: BUFFERED BIKE LANE
"CLR" 60+77.70 TO 61+77.15	NB	27B	218					DETAIL 2: BUFFERED BIKE LANE
"CLR" 63+36.78 TO 65+28.44	NB	27B	407					DETAIL 2: BUFFERED BIKE LANE
"CLR" 17+27.19 TO 28+86.71	SB	27B	2490					DETAIL 2: BUFFERED BIKE LANE
"CLR" 30+45.44 TO 35+45.63	SB	27B	1073					DETAIL 2: BUFFERED BIKE LANE
"CLR" 37+09.16 TO 40+55.38	SB	27B	745					DETAIL 2: BUFFERED BIKE LANE
"CLR" 41+97.52 TO 44+50.83	SB	27B	545					DETAIL 2: BUFFERED BIKE LANE
"CLR" 46+22.74 TO 52+97.50	SB	27B	1449					DETAIL 2: BUFFERED BIKE LANE
"CLR" 53+11.42 TO 53+75.29	SB	27B	139					DETAIL 2: BUFFERED BIKE LANE
"CLR" 55+28.34 TO 60+65.13	SB	27B	1154					DETAIL 2: BUFFERED BIKE LANE
"CLR" 62+21.78 TO 67+09.27	SB	27B	1049					DETAIL 2: BUFFERED BIKE LANE
"CLR" 15+27.19 TO 17+27.19	SB	39A	200					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 22+66.93 TO 23+41.93	NB	39A	75					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 29+70.01 TO 30+45.44	SB	39A	75					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 36+25.07 TO 37+09.16	SB	39A	39					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 40+11.36 TO 40+87.34	NB	39A	76					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 41+37.52 TO 41+97.52	SB	39A	60					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 45+46.75 TO 46+22.74	SB	39A	73					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 50+41.10 TO 52+15.54	NB	39A	176					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 54+52.34 TO 55+28.34	SB	39A	76					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 61+46.00 TO 62+21.78	SB	39A	75					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 61+77.15 TO 62+56.33	NB	39A	80					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 65+28.44 TO 67+03.65	NB	39A	175					DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 15+27.19 TO 15+47.19	NB						90	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 24+32.17 TO 24+52.17	NB						90	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 41+96.67 TO 42+16.67	NB						90	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 53+10.52 TO 53+30.77	NB						51	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 63+36.78 TO 63+57.05	NB						120	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 28+66.55 TO 28+86.71	SB						91	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 35+25.65 TO 35+45.65	SB						80	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 40+35.38 TO 40+55.38	SB						80	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 44+30.63 TO 44+50.63	SB						80	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 53+55.51 TO 53+75.29	SB						81	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 60+45.20 TO 60+65.20	SB						80	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 66+89.27 TO 67+09.27	SB						120	DETAIL 4: BIKE LANE BLOCK DETAIL
"CLR" 22+74.93 TO 23+34.93	NB						144	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 40+19.36 TO 40+87.36	NB						144	DETAIL 3: RIGHT TURN CONFLICT AREA

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

REVISIONS

NO	DESCRIPTIONS	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

SUMMARY OF QUANTITIES

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

SHEET NUMBER
24
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_01.dwg PLOT DATE:2/28/2020 11:14:39 AM CAD USER: DALAMEDA

TRAFFIC STRIPES AND PAVEMENT MARKINGS

LOCATION/STATION	DIRECTION	DETAIL No.	6" THERMOPLASTIC STRIPE		8" WHITE SOLID THERMOPLASTIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	SOLID GREEN PAVEMENT MARKING	DESCRIPTION/COMMENTS
			WHITE SOLID	YELLOW SOLID				
			LF	LF	LF	SQFT	SQFT	
"CLR" 50+49.10 TO 52+12.21	NB						336	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 61+85.06 TO 62+52.30	NB						180	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 65+36.53 TO 67+00.67	NB						504	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 15+31.19 TO 17+19.19	SB						240	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 29+77.01 TO 30+37.42	SB						128	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 36+25.16 TO 37+01.16	SB						160	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 41+37.52 TO 41+89.52	SB						112	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 45+46.74 TO 46+14.74	SB						144	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 54+52.34 TO 55+20.34	SB						144	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 61+53.00 TO 62+13.69	SB						126	DETAIL 3: RIGHT TURN CONFLICT AREA
"CLR" 15+16.57						336		TRIPLE FOUR XW PER STD A24F
"CLR" 23+57.92 TO 24+15.92	NB					208		TRIPLE FOUR XW PER STD A24F
"CLR" 29+01.95 TO 29+64.43	SB					232		TRIPLE FOUR XW PER STD A24F
"CLR" 35+61.07 TO 36+08.80	SB					184		TRIPLE FOUR XW PER STD A24F
"CLR" 36+15.18						256		TRIPLE FOUR XW PER STD A24F
"CLR" 40+69.10 TO 41+22.09	SB					200		TRIPLE FOUR XW PER STD A24F
"CLR" 40+99.56 TO 41+52.93	NB					208		TRIPLE FOUR XW PER STD A24F
"CLR" 44+59.63						256		TRIPLE FOUR XW PER STD A24F
"CLR" 44+84.23 TO 45+31.73	SB					176		TRIPLE FOUR XW PER STD A24F
"CLR" 52+17.45 TO 52+90.52	NB					280		TRIPLE FOUR XW PER STD A24F
"CLR" 53+01.50						336		TRIPLE FOUR XW PER STD A24F
"CLR" 53+87.30 TO 54+38.65	SB					192		TRIPLE FOUR XW PER STD A24F
"CLR" 60+71.41						320		TRIPLE FOUR XW PER STD A24F
"CLR" 60+78.33 TO 61+26.46	SB					184		TRIPLE FOUR XW PER STD A24F
"CLR" 62+64.86 TO 63+18.00	NB					200		TRIPLE FOUR XW PER STD A24F
"CLR" 67+14.64						416		TRIPLE FOUR XW PER STD A24F
"CLR" 35+45.69						42		YIELD LINE PER STD A24E
"CLR" 36+71.17						24		YIELD LINE PER STD A24E
"CLR" 44+03.64						30		YIELD LINE PER STD A24E
"CLR" 45+50.44						30		YIELD LINE PER STD A24E
"CLR" 60+63.55						42		YIELD LINE PER STD A24E
"CLR" 61+46.00						36		YIELD LINE PER STD A24E
"CLR" 15+53.17	NB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 24+58.17	NB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 28+60.54	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 35+19.68	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 40+29.39	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 42+22.44	NB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 44+24.65	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 53+36.84	NB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 53+49.61	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 60+39.92	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 63+63.19	NB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 67+83.27	SB					10.5		BIKE LANE SYMBOL (PERSON/ARROW)
"CLR" 15+46.22	SB					42		TYPE III (L) TURN ARROW
"CLR" 16+64.69	SB					42		TYPE III (L) TURN ARROW
"CLR" 18+02.19	SB					42		TYPE III (L) TURN ARROW
"CLR" 20+57.09	NB					42		TYPE III (L) TURN ARROW
"CLR" 21+48.09	NB					42		TYPE III (L) TURN ARROW
"CLR" 23+95.53	NB					42		TYPE III (L) TURN ARROW
"CLR" 24+61.57	NB					42		TYPE III (L) TURN ARROW
"CLR" 28+12.00	NB					42		TYPE III (L) TURN ARROW
"CLR" 29+03.09	NB					42		TYPE III (L) TURN ARROW
"CLR" 30+53.21	SB					42		TYPE III (L) TURN ARROW
"CLR" 31+44.17	SB					42		TYPE III (L) TURN ARROW
"CLR" 34+45.70	NB					42		TYPE III (L) TURN ARROW

LOCATION/STATION	DIRECTION	DETAIL No.	6" THERMOPLASTIC STRIPE		8" WHITE SOLID THERMOPLASTIC STRIPE	THERMOPLASTIC PAVEMENT MARKING	SOLID GREEN PAVEMENT MARKING	DESCRIPTION/COMMENTS
			WHITE SOLID	YELLOW SOLID				
			LF	LF	LF	SQFT	SQFT	
"CLR" 35+32.79	NB					42		TYPE III (L) TURN ARROW
"CLR" 37+15.78	SB					42		TYPE III (L) TURN ARROW
"CLR" 37+81.74	SB					42		TYPE III (L) TURN ARROW
"CLR" 40+24.08	NB					42		TYPE III (L) TURN ARROW
"CLR" 40+71.53	NB					42		TYPE III (L) TURN ARROW
"CLR" 41+59.30	SB					42		TYPE III (L) TURN ARROW
"CLR" 42+50.23	SB					42		TYPE III (L) TURN ARROW
"CLR" 46+21.49	SB					42		TYPE III (L) TURN ARROW
"CLR" 47+12.39	SB					42		TYPE III (L) TURN ARROW
"CLR" 50+91.20	NB					42		TYPE III (L) TURN ARROW
"CLR" 52+05.00	NB					42		TYPE III (L) TURN ARROW
"CLR" 53+21.24	SB					42		TYPE III (L) TURN ARROW
"CLR" 54+00.67	SB					42		TYPE III (L) TURN ARROW
"CLR" 54+85.62	SB					42		TYPE III (L) TURN ARROW
"CLR" 56+82.61	SB					42		TYPE III (L) TURN ARROW
"CLR" 57+23.95	SB					42		TYPE III (L) TURN ARROW
"CLR" 59+88.55	NB					42		TYPE III (L) TURN ARROW
"CLR" 60+49.21	NB					42		TYPE III (L) TURN ARROW
"CLR" 61+59.07	SB					42		TYPE III (L) TURN ARROW
"CLR" 62+20.90	SB					42		TYPE III (L) TURN ARROW
"CLR" 65+30.43	NB					42		TYPE III (L) TURN ARROW
"CLR" 66+21.85	NB					42		TYPE III (L) TURN ARROW
"CLR" 66+94.75	NB					42		TYPE III (L) TURN ARROW
"CLR" 19+62.16	SB					62		'AHEAD' PAVEMENT MARKING STD PLAN A24D
"CLR" 50+30.81	NB					62		'AHEAD' PAVEMENT MARKING STD PLAN A24D
"CLR" 56+44.98	SB					62		'AHEAD' PAVEMENT MARKING STD PLAN A24D
"CLR" 63+71.35	NB					62		'AHEAD' PAVEMENT MARKING STD PLAN A24D
"CLR" 19+62.19	SB					64		'SIGNAL' PAVEMENT MARKING STD PLAN A24D
"CLR" 49+30.81	NB					64		'SIGNAL' PAVEMENT MARKING STD PLAN A24D
"CLR" 56+44.99	SB					64		'SIGNAL' PAVEMENT MARKING STD PLAN A24D
"CLR" 63+71.36	NB					64		'SIGNAL' PAVEMENT MARKING STD PLAN A24D
"CLR" 23+89.38 TO 23+99.70	WB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 29+18.49 TO 29+28.92	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 35+73.57 TO 35+83.83	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 40+84.21 TO 40+94.55	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 41+18.86 TO 41+29.14	WB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 44+93.55 TO 45+03.93	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 53+98.30 TO 54+08.74	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 60+87.53 TO 60+97.83	EB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 62+94.40 TO 63+04.60	WB					22		'STOP' PAVEMENT MARKING STD PLAN A24D
"CLR" 15+27.19	SB					34		LIMIT LINE PER STD A24G
"CLR" 52+16.31	NB					35		LIMIT LINE PER STD A24G
"CLR" 53+10.01	SB					35		LIMIT LINE PER STD A24G
"CLR" 67+05.41	NB					35		LIMIT LINE PER STD A24G
"CLR" 23+86.50 TO 24+04.50	WB					18		LIMIT LINE PER STD A24G
"CLR" 29+08.76 TO 29+32.03	EB					23		LIMIT LINE PER STD A24G
"CLR" 35+67.71 TO 35+86.71	EB					19		LIMIT LINE PER STD A24G
"CLR" 40+77.89 TO 40+96.89	EB					19		LIMIT LINE PER STD A24G
"CLR" 41+17.40 TO 41+39.72	WB					23		LIMIT LINE PER STD A24G
"CLR" 44+88.70 TO 45+06.70	EB					18		LIMIT LINE PER STD A24G
"CLR" 52+64.57 TO 52+88.07	EB					23		LIMIT LINE PER STD A24G
"CLR" 53+94.40 TO 54+12.40	EB					18		LIMIT LINE PER STD A24G
"CLR" 60+82.20 TO 61+00.20	EB					18		LIMIT LINE PER STD A24G
"CLR" 62+90.10 TO 63+11.63	WB					22		LIMIT LINE PER STD A24G

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

REVISIONS

NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

SUMMARY OF QUANTITES

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

SHEET NUMBER
25
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_01.dwg PLOT DATE:2/28/2020 11:14:25 AM CAD USER: DALAMEDA

MINOR CONCRETE

STATION	SIDE	STAN COUNTY VALLEY GUTTER	DRIVEWAY	SIDEWALK	RETAINING CURB	EXTRUDED CURB	CURB & GUTTER	CURB RAMP
		CY	CY	CY	CY	CY	CY	CY
"CLR" 23+41.93 TO 24+32.18	Rt	16						
"CLR" 40+18.76 TO 40+40.76	Lt		5					
"CLR" 60+82.52 TO 61+19.46	Rt		9					
"CLR" 15+00 TO 67+35				114	7	170	71	37

ROADWAY

STATION	SIDE	HMA (TYPE A)	CIR-FA	COLD PLANE AC
		TON	SY	SY
"CLR" 15+25.00 TO 67+09.65		4716	45040	
"CLR" 15+00.00 TO 15+25.00		49		280
"CLR" 23+69.15 TO 24+05.13	Rt	23		132
"CLR" 28+86.88 TO 29+76.12	Lt	28		159
"CLR" 35+42.53 TO 36+31.30	Lt	26		147
"CLR" 40+98.31 TO 41+30.54	Rt	16		89
"CLR" 40+52.77 TO 41+36.91	Lt	18		102
"CLR" 44+66.85 TO 45+50.08	Lt	25		144
"CLR" 51+81.79 TO 53+15.92	Rt	44		252
"CLR" 53+68.73 TO 54+57.13	Lt	25		142
"CLR" 60+60.14 TO 61+45.00	Lt	23		135
"CLR" 62+50.08 TO 63+35.98	Rt	27		156
"CLR" 67+09.97 TO 67+35.00		64		366

MEDIAN QUANTITIES

STATION	AB (CLASS II)	STAMPED CONCRETE	STAN COUNTY THRU DRAIN
	CY	CY	CY
"CLR" 15+35.69 TO 66+96.91			45
"CLR" 15+26.19 TO 67+07.91	706	381	

DETECTABLE WARNING SURFACE

STATION	SIDE	DETECTABLE WARNING SURFACE
		SQFT
"CLR" 15+14.63	Rt	24
"CLR" 15+15.02	Lt	12
"CLR" 23+59.38	Rt	22
"CLR" 24+14.85	Rt	21
"CLR" 28+97.06	Lt	12
"CLR" 29+63.04	Lt	15
"CLR" 35+58.92	Lt	12
"CLR" 36+13.98	Lt	23
"CLR" 36+14.34	Rt	15
"CLR" 36+06.18 to 36+24.18	Lt	54
"CLR" 36+06.18 to 36+24.18	Rt	54
"CLR" 40+69.59	Lt	19
"CLR" 41+23.84	Lt	12
"CLR" 40+94.92	Rt	36
"CLR" 41+49.73	Rt	15
"CLR" 44+51.63 to 44+67.63	Lt	48
"CLR" 44+51.63 to 44+67.63	Rt	48
"CLR" 44+59.63	Rt	15
"CLR" 44+58.35	Lt	15
"CLR" 44+83.18	Lt	15
"CLR" 45+32.82	Lt	12
"CLR" 52+20.85	Rt	15
"CLR" 52+94.21	Rt	15
"CLR" 53+05.25	Lt	15
"CLR" 53+81.46	Lt	19
"CLR" 54+40.43	Lt	15
"CLR" 60+69.00	Rt	15
"CLR" 60+73.82	Lt	15
"CLR" 61+28.21	Lt	17
"CLR" 62+66.32	Rt	15
"CLR" 63+20.13	Rt	20

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
EDGAR A. NORIEGA
No. 61535
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: _____ DATE: _____

REVISIONS

NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

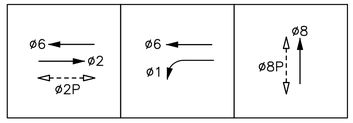
SUMMARY OF QUANTITIES

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

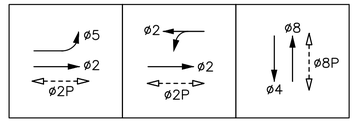
JOB NO FN-17111
DATE 02-21-20
DR BY JAR
CK BY EAN
SURVEY
CONST.
SCALE

SHEET NUMBER
26
OF 35 SHEETS

PATH:J:\Stanislaus County-FN-17111-Crows Landing Corridor Improvements\CADD_2015\Sheets\CLR_Q1.dwg PLOT DATE:2/28/2020 11:14:00 AM CAD USER: DALAMEDA



EXISTING PHASE DIAGRAM
WINMOORE WAY/CROWS LANDING



EXISTING PHASE DIAGRAM
BUTTE AVE/CROWS LANDING

SIGNAL TO BE REMOVED

EMERGENCY VEHICLE PREEMPTION (EVP)

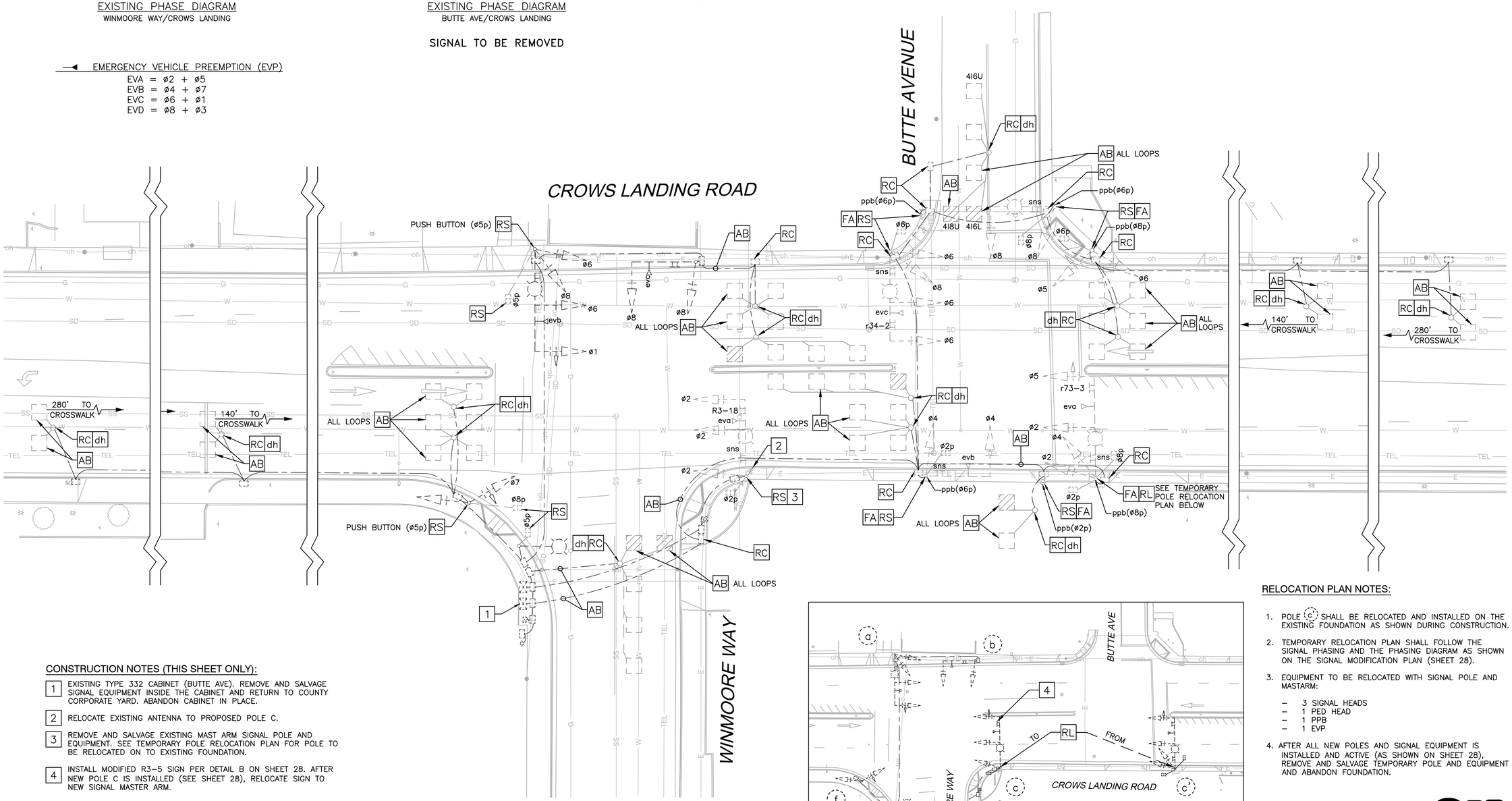
EVA = ø2 + ø5
EVB = ø4 + ø7
EVC = ø6 + ø1
EVD = ø8 + ø3

CONSTRUCTION NOTES (THIS SHEET ONLY):

- AB — ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
- FA — FOUNDATION TO BE ABANDONED
- RC — EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR.
- RS — REMOVE AND SALVAGE EQUIPMENT

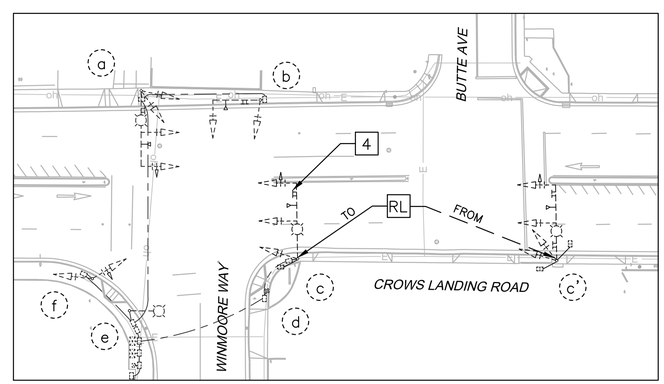
APPLICABLE CALTRANS 2015 STANDARD PLAN:

RSP ES-1A, RSP ES-2D, RSP ES-4C, RSP ES-7A, RSP ES-13A, RSP ES-1B, RSP ES-3C, RSP ES-4D, RSP ES-7F, RSP ES-1C, ES-4A, RSP ES-5C, ES-7R, ES-2C, ES-4B, RSP ES-6D, RSP ES-8A



CONSTRUCTION NOTES (THIS SHEET ONLY):

1. EXISTING TYPE 332 CABINET (BUTTE AVE). REMOVE AND SALVAGE SIGNAL EQUIPMENT INSIDE THE CABINET AND RETURN TO COUNTY CORPORATE YARD. ABANDON CABINET IN PLACE.
2. RELOCATE EXISTING ANTENNA TO PROPOSED POLE C.
3. REMOVE AND SALVAGE EXISTING MAST ARM SIGNAL POLE AND EQUIPMENT. SEE TEMPORARY POLE RELOCATION PLAN FOR POLE TO BE RELOCATED ON TO EXISTING FOUNDATION.
4. INSTALL MODIFIED R3-5 SIGN PER DETAIL B ON SHEET 28. AFTER NEW POLE C IS INSTALLED (SEE SHEET 28), RELOCATE SIGN TO NEW SIGNAL MASTER ARM.



TEMPORARY POLE RELOCATION PLAN
SCALE: 1"=40'

RELOCATION PLAN NOTES:

1. POLE (c) SHALL BE RELOCATED AND INSTALLED ON THE EXISTING FOUNDATION AS SHOWN DURING CONSTRUCTION.
2. TEMPORARY RELOCATION PLAN SHALL FOLLOW THE SIGNAL PHASING AND THE PHASING DIAGRAM AS SHOWN ON THE SIGNAL MODIFICATION PLAN (SHEET 28).
3. EQUIPMENT TO BE RELOCATED WITH SIGNAL POLE AND MASTARM:
   - 3 SIGNAL HEADS
   - 1 PED HEAD
   - 1 PPB
   - 1 EVP
4. AFTER ALL NEW POLES AND SIGNAL EQUIPMENT IS INSTALLED AND ACTIVE (AS SHOWN ON SHEET 28), REMOVE AND SALVAGE TEMPORARY POLE AND EQUIPMENT AND ABANDON FOUNDATION.

N

0 20' 40'
SCALE: 1"=20'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — RUTA JEROMALA — No. 78560 — Exp. 12/31/21 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

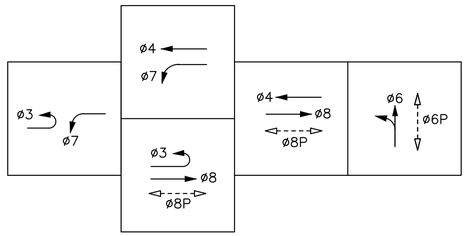
EQUIPMENT REMOVAL PLAN

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

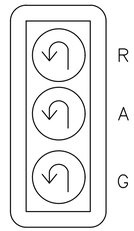
SHEET NUMBER 27 OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - TS - Bid.dwg
PLOT DATE:2/28/2020 3:59:08 PM CAD USER: AHIGHSMITH



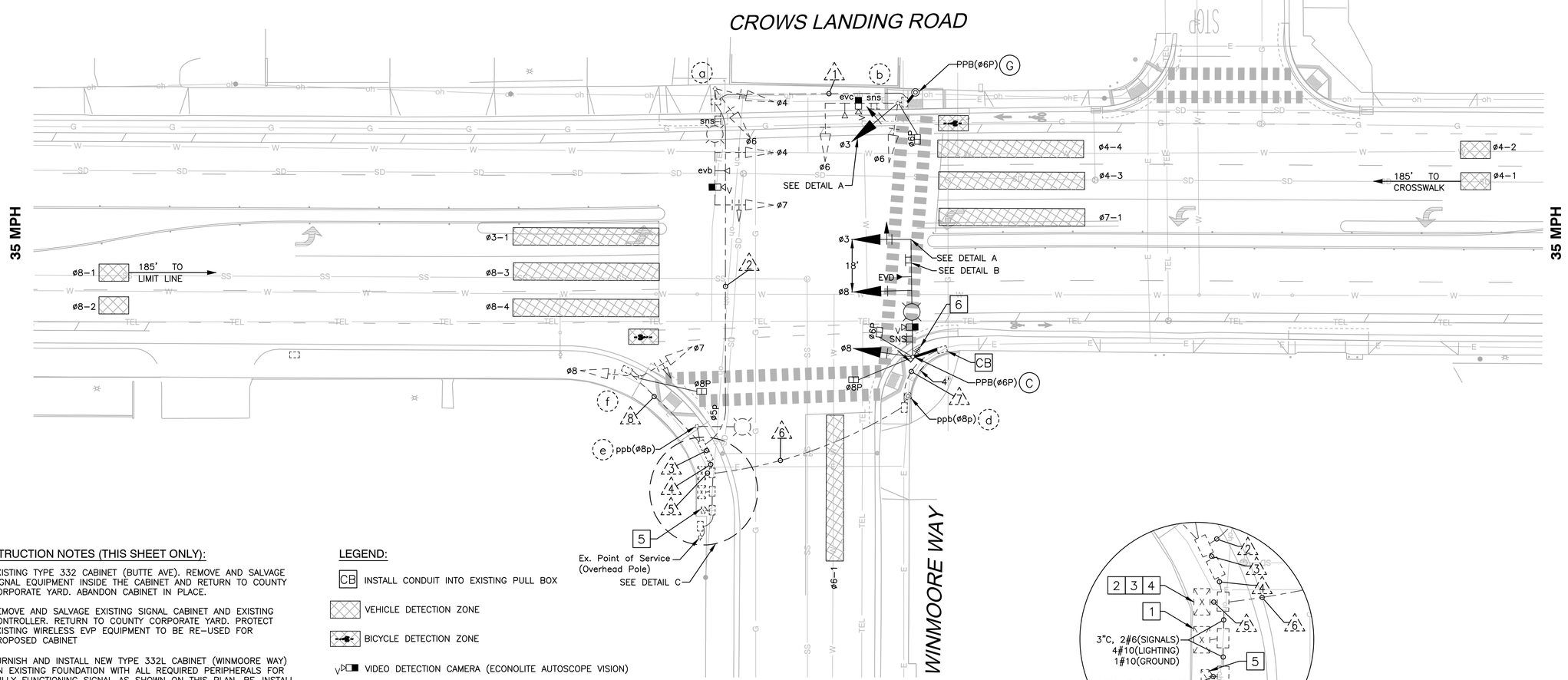
PROPOSED PHASE DIAGRAM
WINMOORE WAY/CROWS LANDING RD

EMERGENCY VEHICLE PREEMPTION (EVP)
EVB = ø4 + ø7
EVC = ø6
EVD = ø8 + ø3



DETAIL A
U-TURN SIGNAL HEAD

DETAIL B
R61-MODIFIED
30" X 30"

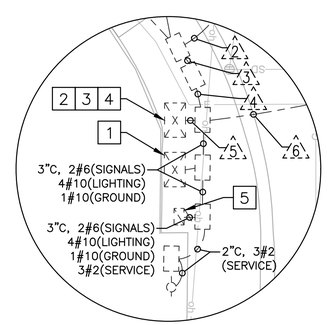


CONSTRUCTION NOTES (THIS SHEET ONLY):

1. EXISTING TYPE 332 CABINET (BUTTE AVE). REMOVE AND SALVAGE SIGNAL EQUIPMENT INSIDE THE CABINET AND RETURN TO COUNTY CORPORATE YARD. ABANDON CABINET IN PLACE.
2. REMOVE AND SALVAGE EXISTING SIGNAL CABINET AND EXISTING CONTROLLER. RETURN TO COUNTY CORPORATE YARD. PROTECT EXISTING WIRELESS EVP EQUIPMENT TO BE RE-USED FOR PROPOSED CABINET
3. FURNISH AND INSTALL NEW TYPE 332L CABINET (WINMOORE WAY) ON EXISTING FOUNDATION WITH ALL REQUIRED PERIPHERALS FOR FULLY FUNCTIONING SIGNAL AS SHOWN ON THIS PLAN. RE-INSTALL THE EXISTING WIRELESS EQUIPMENT AND EMERGENCY VEHICLE PREEMPTION EQUIPMENT FROM EXISTING CABINET TO NEW.
4. INSTALL COUNTY PROVIDED RACK-MOUNT ATC CONTROLLER IN NEW CABINET.
5. EXISTING TYPE 111-C SERVICE PEDESTAL TO REMAIN. PROTECT IN PLACE. REFER TO SHEET 33 FOR MODIFICATIONS TO CIRCUIT BREAKERS RELATED TO STREET LIGHTING.
6. RELOCATE EXISTING YAGI ANTENNA FROM EXISTING MAST ARM POLE. SEE SHEET TS-1 FOR EXISTING ANTENNA LOCATION

LEGEND:

- CB — INSTALL CONDUIT INTO EXISTING PULL BOX
- VEHICLE DETECTION ZONE
- BICYCLE DETECTION ZONE
- VIDEO DETECTION CAMERA (ECONOLITE AUTOSCOPE VISION)
- YAGI ANTENNA



DETAIL C
NTS

N

0 20' 40'
SCALE: 1"=20'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
RUTA JEROMALK
No. 78540
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County
Striving to be the best

SIGNAL MODIFICATION PLAN

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

SHEET NUMBER
28
OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - TS - Bid.dwg
PLOT DATE:2/28/2020 3:59:18 PM
CAD USER: AHIGHSMITH

CONDUCTOR SCHEDULE

AWG OR CABLE	POLE	ø	CONDUIT RUN NUMBER /1\	/2\	/3\	/4\	/5\	/6\	/7\	/8\
12 COND. CABLE** (VEH.–PED.)	A	ø4,ø6,ø7 / ø5P		1 / (1)	1 / (1)	1 / (1)	1 / (1)			
	B	ø3,ø6 / ø6P	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1			
	C	ø4,ø8 / ø8P					1	1	1	
	D	ø8P					1	1		
	E	ø5P			1 / (1)	1 / (1)	1 / (1)			
	F	ø7,ø8 / ø8P / ø8P			1 / 1	1 / 1	1 / 1			1 / 1
3 COND. CABLE** (PED)	G	ø6P					1	1	1	
	TOTAL CABLE		1 / 1	2 / 2	4 / 4	4 / 4	5 / 6	1 / 2	1 / 1	1 / 1
#10	STREET LIGHT			2	2	2	4	2	2	
	GROUND		1	1	1	1	1	1	1	1
#14	PEU				3	3	3			
VIDEO	VIDEO DETECTION POWER CABLE (3 COND CABLE)		1	2	2	2	3	1	1	
	SIGNAL INTERCONNECT						1*			
	ANTENNA CABLE						1	1	1	
DLC	ø1		2*	2*	2*					
	ø2				5*	5*	5*			5*
	ø6		2*	2*	2*					
	ø8					3*	3*			
	TOTAL DLC		0	0	0	0	0	0	0	0
EVP	CHANNEL D						1	1	1	
	CHANNEL B			1	1	1	1			
	CHANNEL C		1	1	1	1	1			
	TOTAL EVP		1	2	2	2	3	1	1	
CONDUIT SIZE (INCHES)			3"	3"	3"	3"	2–4"	3"	3"	2"
% FILL			21%	20%	35%	35%	13%	14%	12%	7%

ALL CONDUCTORS ARE NEW UNLESS OTHERWISE NOTED.

( ) = FOR FUTURE USE
* = REMOVE CONDUCTORS
** = NUMBER INDICATIONS ARE THE NUMBER OF CONDUCTORS WITHIN CABLE

EQUIPMENT SCHEDULE

No.	STANDARD Type	Sig. M.A.	Lum.M.A.	VEH SIG MTG Mast Arm	Pole	PED SIGNAL ø	MTG	PPB ø	ARROW	HPS LUMINAIRE	SPECIAL REQUIREMENTS
a	26–4–80	40'	15'	MAS MAS	SV–2–T	5*	SP–1–T*	5*	RIGHT*	LED 91W (N)	FURNISH AND INSTALL VIDEO DETECTION CAMERA WITH EXTENDER ON SMA. REPLACE EXISTING HPS LUMINAIRE WITH NEW 91W LED LUMINAIRE.
b	18–3–80	25'	–	MAS	SV–2–T (N)	6(N)	SP–1–TB (N)	–	–	–	FURNISH AND INSTALL NEW 12" SIGNAL HEAD FOR PHASE 3. FURNISH AND INSTALL VIDEO DETECTION CAMERA WITH EXTENDER ON SMA.
c	26–4–100 (N)	40' (N)	15' (N)	MAS (N) MAS (N)	SV–1–T (N)	6(N) 8(N)	SP–2–T (N)	6 (N)	LEFT	LED 91W (N)	FURNISH AND INSTALL SNS "Winmoore Way," R61–MODIFIED SIGN, AND EVP CHANNEL "D" ON SMA. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON LMA. INSTALL YAGI ANTENNA RELOCATED FROM EXISTING MAST ARM POLE. SEE SHEET 28 FOR EXISTING ANTENNA LOCATION.
d	PPB POST	–	–	–	–	–	–	8	RIGHT	–	EXISTING EQUIPMENT TO REMAIN
e	15	–	12'	–	–	5*	SP–1–T*	8	LEFT	LED 91W	EXISTING EQUIPMENT TO REMAIN
f	15–TS	–	–	–	SV–2–T	8	SP–1–T (N)	5*	RIGHT*	–	FURNISH AND INSTALL LED COUNTDOWN PEDESTRIAN HEAD.
G	PPB POST (N)	–	–	–	–	–	–	6 (N)	LEFT	–	

ALL EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

(N) = NEW EQUIPMENT
* = REMOVE EQUIPMENT

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF STANISLAUS COUNTY IMPROVEMENT STANDARDS AND THE 2015 CALTRANS STANDARD PLANS AND SPECIFICATIONS AND REVISED SECTIONS.
2. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK CALLED FOR ON THESE PLANS UNTIL THE COUNTY ENGINEER'S SIGNATURE OF APPROVAL IS AFFIXED HEREON AND ALL APPLICABLE PERMITS HAVE BEEN OBTAINED. AN APPROVED SET OF PLANS SHALL BE ON THE JOB SITE DURING ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL REMEDIAL ACTION CAN BE TAKEN. ANY COSTS RESULTING FROM THE CONTRACTOR'S FAILURE TO REPORT OR FAILURE TO STOP WORK AS DIRECTED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL CONTACT STANISLAUS COUNTY ENGINEERING DEPARTMENT TO SCHEDULE A PRE–CONSTRUCTION MEETING AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL MAKE AN ON–SITE INSPECTION PRIOR TO PROVIDING ANY PROPOSALS TO DETERMINE ANY AND ALL ITEMS NOT SHOWN AS BID ITEMS ON THE PROPOSAL SHEETS, BUT WHICH MAY BE NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. THE LOCATIONS OF ALL UNDERGROUND FACILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES; HOWEVER, TJKM TRANSPORTATION CONSULTANTS ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE EXISTING FACILITIES SHOWN HEREON OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES OR OBJECTS WHICH MAY BE DISCOVERED BUT ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING FACILITIES AND IMMEDIATELY NOTIFY THE ENGINEER IF ANY SUCH FACILITIES INTERFERE WITH THE CONSTRUCTION OF IMPROVEMENTS.
8. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION HE IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY CONFLICT WITH PLACEMENT OF IMPROVEMENTS SHOWN ON THIS PLAN. CALL "UNDERGROUND SERVICE ALERT" AT 800–642–2444 PRIOR TO ANY EXCAVATION.
9. TJKM TRANSPORTATION ENGINEERS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS SHALL BE IN WRITING AND MUST BE APPROVED BY THE COUNTY ENGINEER.
10. SIGNAL STANDARD, CONDUIT, PULL BOX, AND VIDEO DETECTION LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE COUNTY ENGINEER IN THE FIELD.
11. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT AND MATERIALS NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERABLE AS SHOWN IN THE PHASE DIAGRAM.
12. ALL SIGNAL HEADS SHALL BE METAL, 12 INCH, WITH LOUVERED BACKPLATES.
13. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR COORDINATING TRAFFIC SIGNAL IMPROVEMENTS WITH PROPOSED STREET IMPROVEMENTS AND ANY UTILITY RELOCATION.
14. CONTRACTOR SHALL CONTACT T.I.D. AT START OF JOB TO CONFIRM SERVICE POINT AND ALL SERVICE INSTALLATION REQUIREMENTS.
15. ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE L.E.D. MODULES.
16. EXCESS SALVAGABLE MATERIALS SHALL BE DELIVERED TO THE COUNTY CORPORATE YARD LOCATED AT 1716 MORGAN ROAD, MODESTO, CA.

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
RUTA JERMALA
No. 78560
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County — Striving to be the best

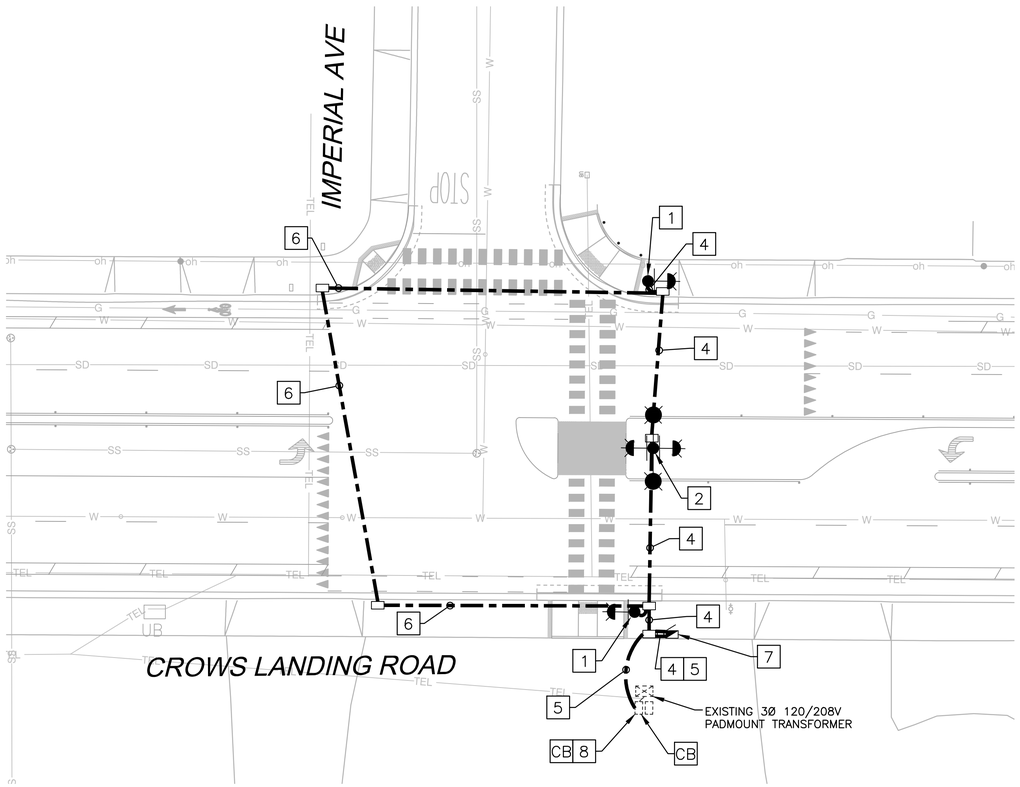
CONDUCTOR AND EQUIPMENT SCHEDULES

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY AH
CK BY RP
SURVEY
CONST.
SCALE

SHEET NUMBER
29
OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 – TS – Bid.dwg PLOT DATE:2/28/2020 3:59:27 PM CAD USER: AHIGHSMITH



CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL 15–FBS POLE PER DETAIL A.
2. FURNISH AND INSTALL RRFB EQUIPMENT ON STREET LIGHT POLE PER DETAIL B.
4. FURNISH AND INSTALL 3"C, 2#14(RRFB), 2#14(APS), 1#10(GROUND)
5. FURNISH AND INSTALL 3"C, 3#2(SERVICE)
6. FURNISH AND INSTALL 3"C WITH PULL ROPE FOR FUTURE USE
7. FURNISH AND INSTALL TYPE III–AF SERVICE PEDESTAL WITH 20A CIRCUIT BREAKER(RRFB), ONE 30A CIRCUIT BREAKER(STREET LIGHTING) FOR THE STREET LIGHTS SL1, SL3, SL5, SL7, SL9, SL11, SL13, SL15, SL17, AND SL19, AND ONE 30A CIRCUIT BREAKER(STREET LIGHTING) FOR THE STREET LIGHTS SL2, SL4, SL6, SL8, SL10, SL12, SL14, SL16, SL18, AND SL20. THE SERVICE PEDESTAL METER PANEL SHALL CONFIRM TO EUSERC STANDARDS AND SHALL BE T.I.D. APPROVED PRIOR TO FABRICATION. CONTRACTOR SHALL MAKE "APPLICATION FOR ELECTRIC SERVICE" WITH THE DISTRICT TO OBTAIN AN ELECTRICAL INSPECTION PRIOR TO THE ENERGIZATION OF THE SERVICE
8. PRELIMINARY SERVICE POINT FROM EXISTING 3ø 120/208V PADMOUNT TRANSFORMER. CONTRACTOR SHALL CONFIRM SERVICE POINT WITH T.I.D. PRIOR TO START OF WORK. CONTRACTOR SHALL PROVIDE 36" OF SLACK CONDUCTOR AT THE CONFIRMED SERVICE POINT PULL BOX FOR THE DISTRICT TO MAKE CONNECTIONS TO. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SERVICE INSTALLATION.

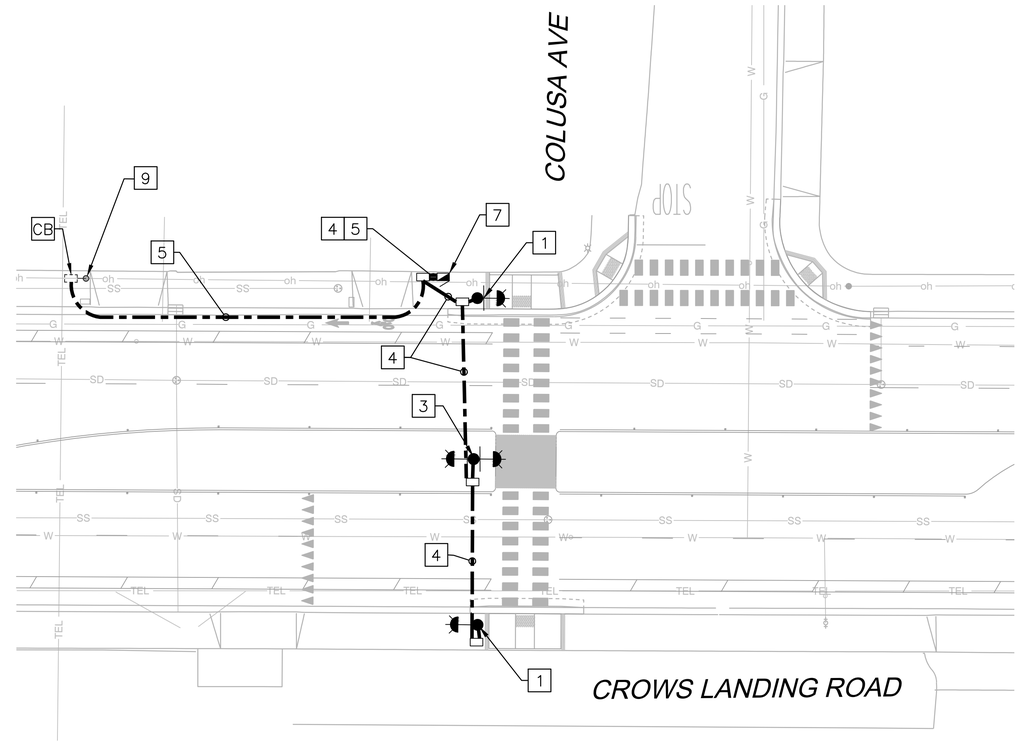
LEGEND:

- RECTANGULAR RAPID FLASHING BEACON (RRFB)
- PROPOSED NO. 6 PULL BOX
- PROPOSED TYPE III–AF SERVICE PEDESTAL
- TYPE 15D STREET LIGHT POLE (SEE SHEET 33 FOR STREET LIGHT POLE INSTALLATION)

N

0 20' 40'

SCALE: 1"=20'



CONSTRUCTION NOTES (THIS SHEET ONLY):

1. FURNISH AND INSTALL 15–FBS POLE PER DETAIL A.
3. FURNISH AND INSTALL 15–FBS POLE PER DETAIL C.
4. FURNISH AND INSTALL 2"C, 2#14(RRFB), 2#14(APS), 1#10(GROUND)
5. INSTALL 3"C, 3#2(SERVICE)
7. FURNISH AND INSTALL TYPE III–AF SERVICE PEDESTAL WITH 20A CIRCUIT BREAKER(RRFB) AND 30A CIRCUIT BREAKER(STREET LIGHTING) FOR THE STREET LIGHTS SL21 TO SL33. THE SERVICE EPDESTAL METER PANEL SHALL CONFIRM TO EUSERC STANDARDS AND SHALL BE T.I.D. APPROVED PRIOR TO FABRICATION. CONTRACTOR SHALL MAKE "APPLICATION FOR ELECTRIC SERVICE" WITH THE DISTRICT TO OBTAIN AN ELECTRICAL INSPECTION PRIOR TO THE ENERGIZATION OF THE SERVICE
9. PRELIMINARY SERVICE POINT FROM EXISTING OVERHEAD POLE TRANSFORMER. CONTRACTOR SHALL CONFIRM SERVICE POINT WITH T.I.D. PRIOR TO START OF WORK. CONTRACTOR SHALL PROVIDE 36" OF SLACK CONDUCTOR AT THE CONFIRMED SERVICE POINT PULL BOX FOR THE DISTRICT TO MAKE CONNECTIONS TO. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SERVICE INSTALLATION.

LEGEND:

- RECTANGULAR RAPID FLASHING BEACON (RRFB)
- PROPOSED NO. 6 PULL BOX
- PROPOSED TYPE III–AF SERVICE PEDESTAL

N

0 20' 40'

SCALE: 1"=20'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
RUTA JERMALA
No. 78540
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

REVISIONS			
NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County Striving to be the best

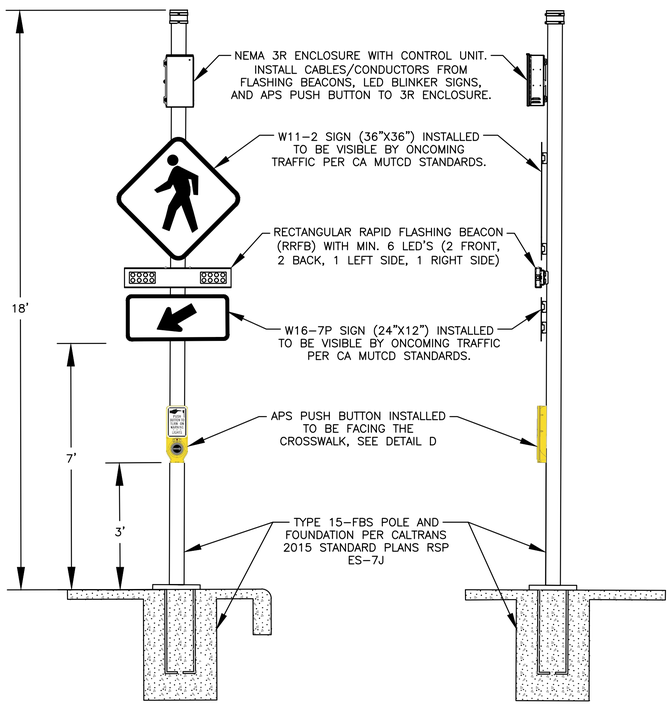
RRFB INSTALLATION PLANS

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN–17111
DATE	02–21–20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

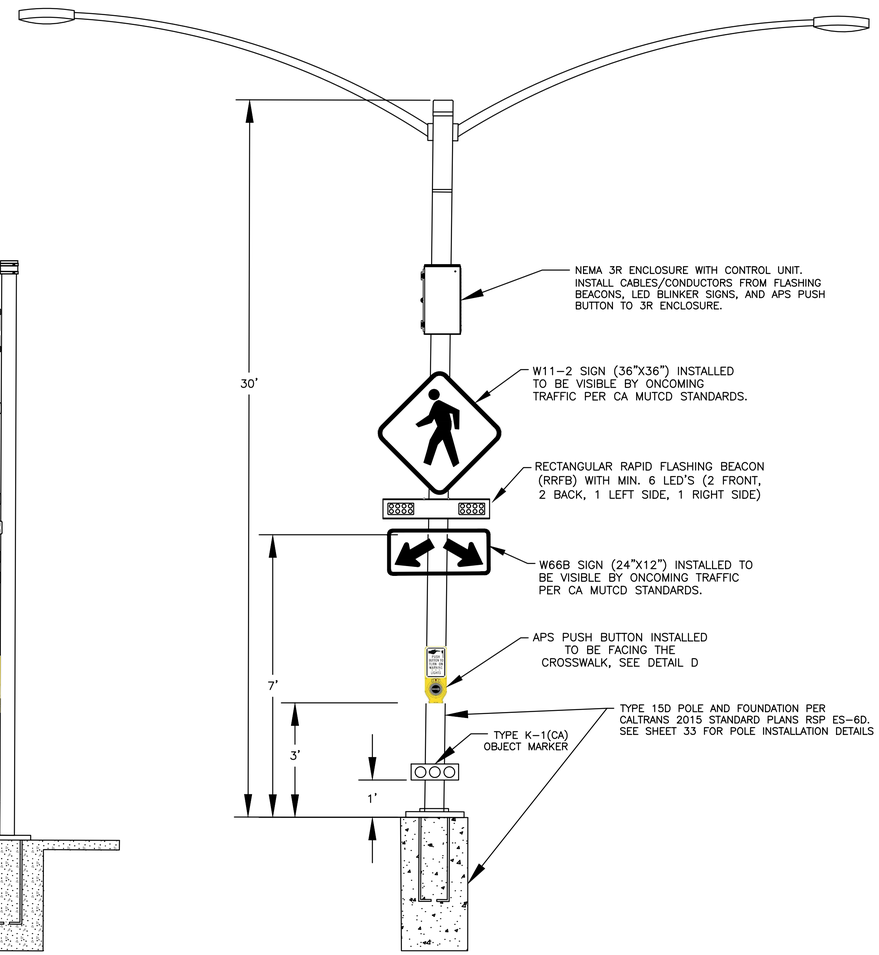
SHEET NUMBER
30
OF 35 SHEETS

PATH: J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 – TS – Bid.dwg PLOT DATE: 2/28/2020 3:59:38 PM CAD USER: AHIGHSMITH



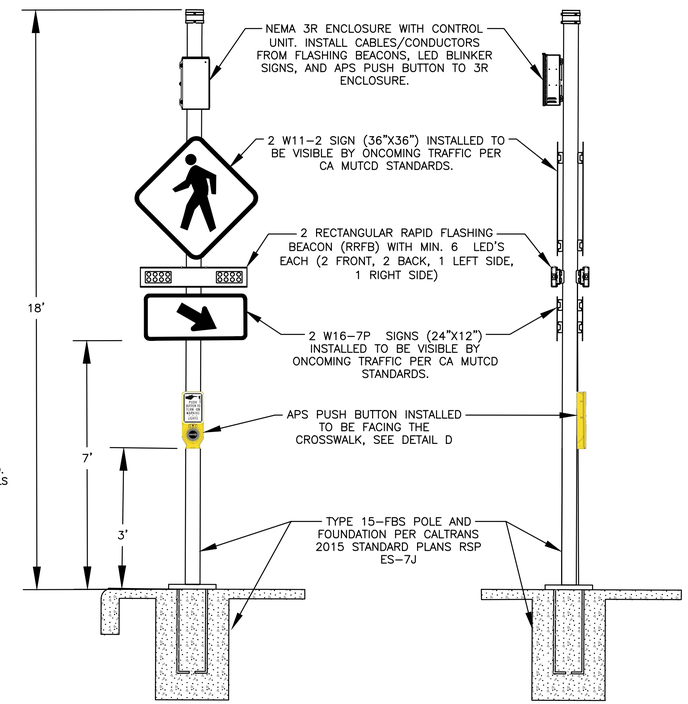
A — DUAL HORIZONTAL RRFB SYSTEM POLE INSTALLATION DETAILS

NOT TO SCALE



B — DUAL HORIZONTAL BACK-TO-BACK RRFB SYSTEM INSTALLATION DETAILS ON STREET LIGHT POLE

NOT TO SCALE



C — DUAL HORIZONTAL BACK-TO-BACK RRFB SYSTEM POLE INSTALLATION DETAILS

NOT TO SCALE

D — DUAL HORIZONTAL RRFB SYSTEM POLE INSTALLATION DETAILS

NOT TO SCALE

CALL BEFORE YOU DIG

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	REVISIONS DESCRIPTIONS	DATE	APPROVED

REGISTERED PROFESSIONAL ENGINEER — RUTA JERMALA — No. 73640 — Exp. 6/30/21 — CIVIL — STATE OF CALIFORNIA

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

RRFB INSTALLATION DETAILS

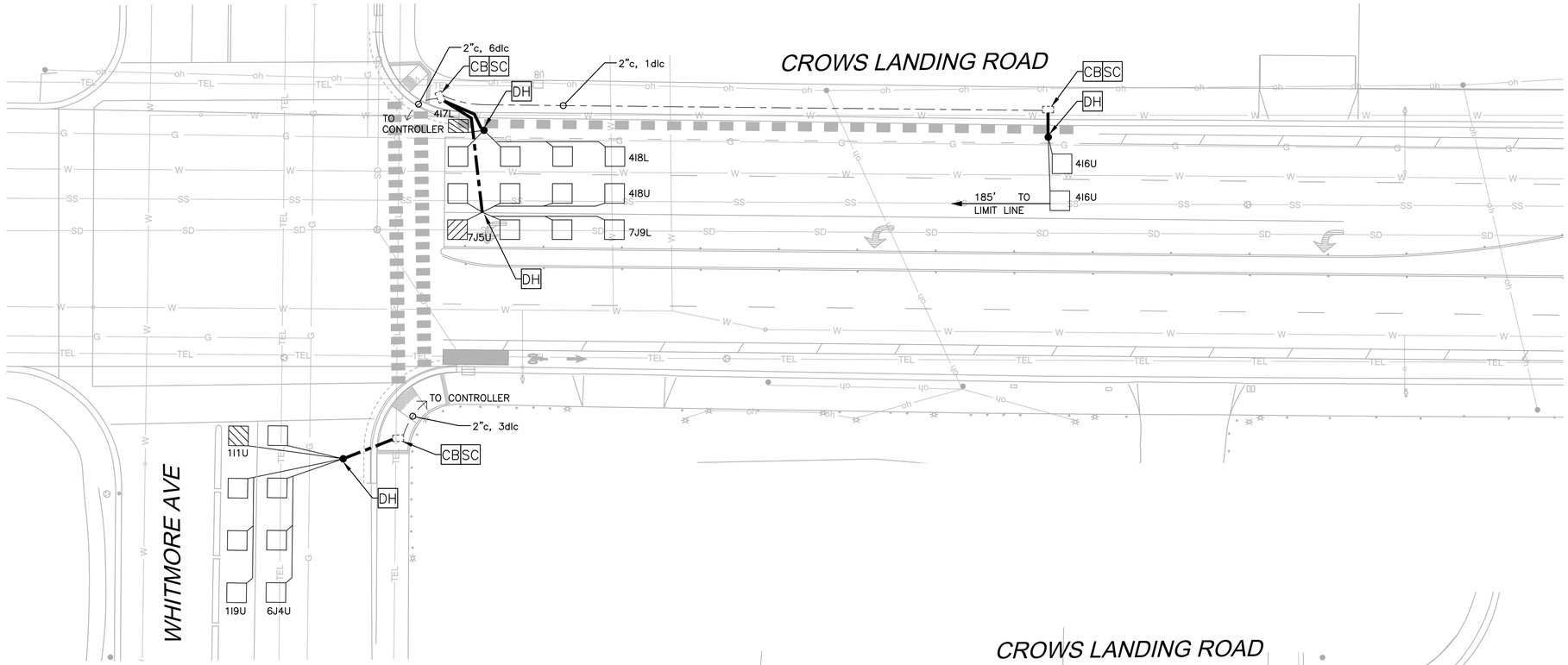
IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

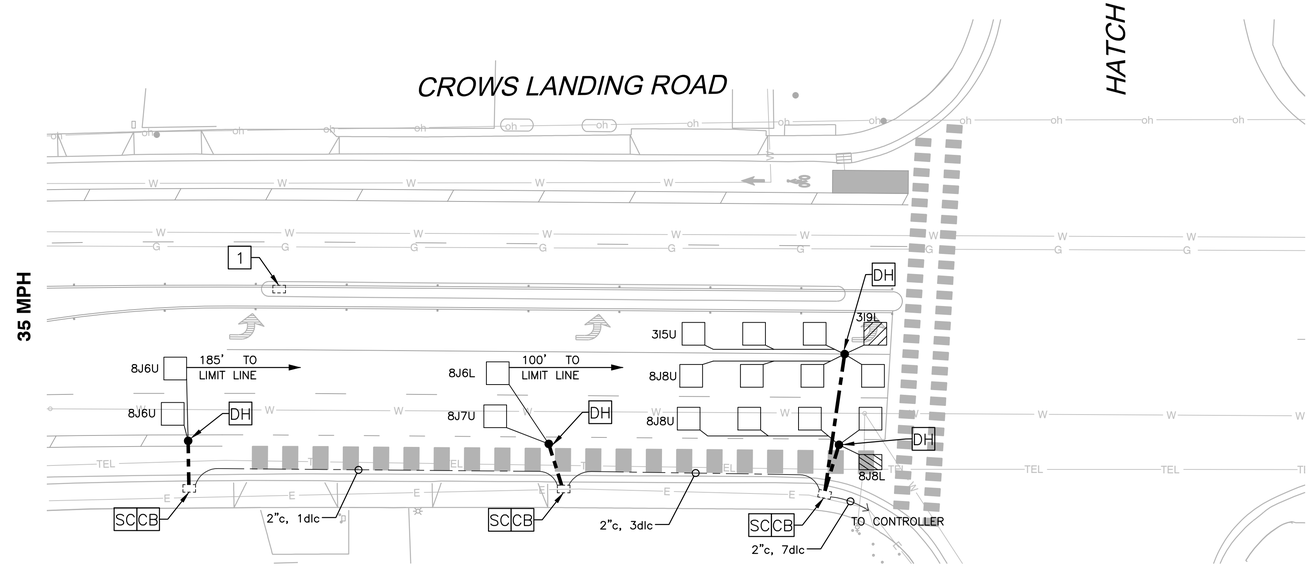
JOB NO	FN-17111
DATE	02-21-20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

SHEET NUMBER 31 OF 35 SHEETS

PLOT DATE: 2/28/2020 3:59:47 PM CAD USER: AHIGHSMITH

PATH: J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - TS - Bid.dwg



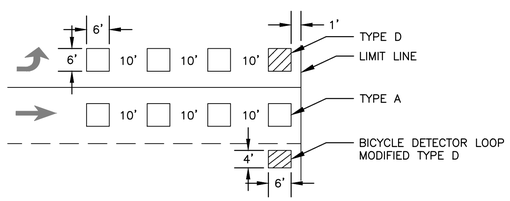


GENERAL NOTES:

1. EXISTING DETECTOR LOOPS MAY BE DAMAGED OR CUT DURING CONSTRUCTION. ABANDON ALL LOOPS ON APPROACHES AS SHWON AND RE-INSTALL NEW DETECTOR LOOPS PER THIS PLAN.

CONSTRUCTION NOTES (THIS SHEET ONLY):

- CB — INSTALL CONDUIT INTO EXISTING PULL BOX
- DH — DETECTOR HANDHOLE
- SC — SPLICE NEW TO EXISTING CONDUCTORS
- 1 — CONTRACTOR TO VERIFY PULL BOX IS ABANDONED IN PLACE AND NOT USED FOR SIGNAL SYSTEM. REMOVE PULL BOX AFTER VERIFICATION.



DETAIL A

DETECTOR PLACEMENT DETAIL

N

0 20' 40'

SCALE: 1"=20'

CALL BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER — RUTA JERMALA — No. 78540 — Exp. 6/30/21 — CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF: DATE:

REVISIONS			
NO	DESCRIPTIONS	DATE	APPROVED

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD - MODESTO, CA 95358

Stanislaus County — Striving to be the best

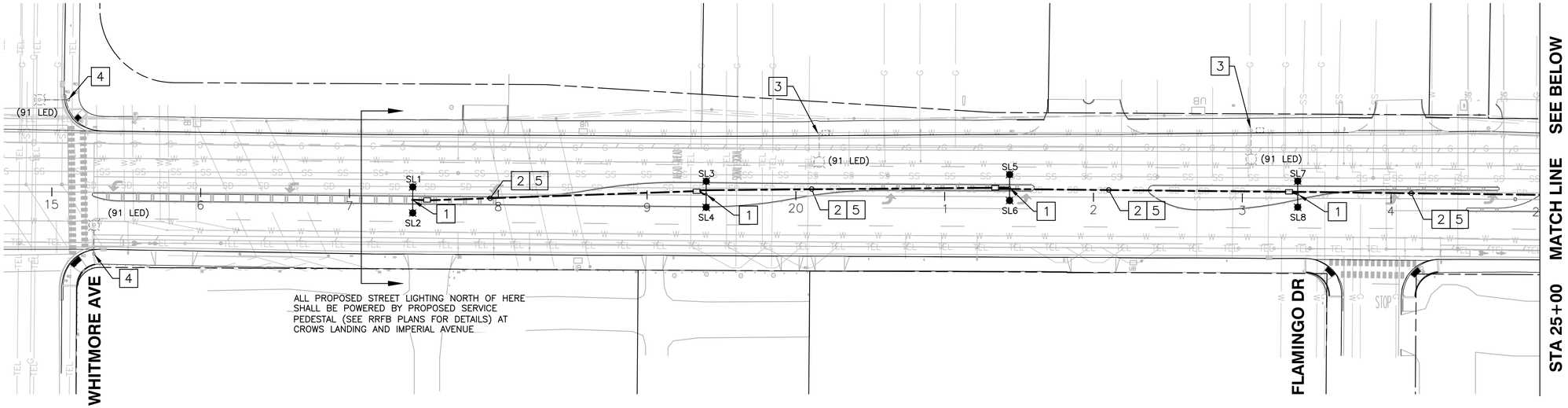
DETECTOR LOOP INSTALLATION PLAN

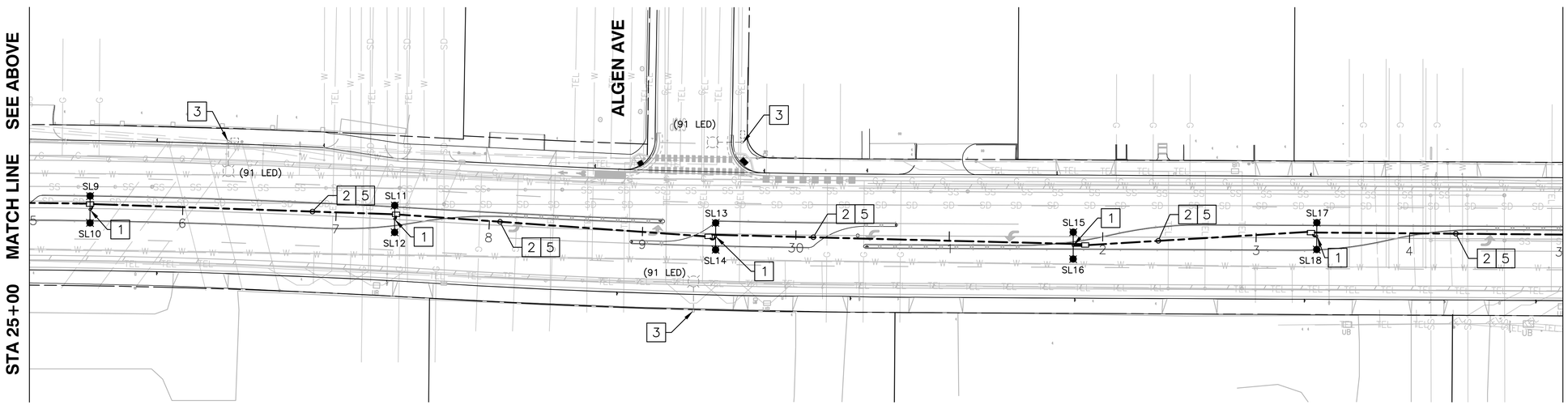
IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

SHEET NUMBER 32 OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - TS - Bid.dwg PLOT DATE:2/28/2020 3:59:58 PM CAD USER: AHIGHSMITH





GENERAL ELECTRICAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF STANISLAUS COUNTY IMPROVEMENT STANDARDS AND THE 2015 CALTRANS STANDARD PLANS AND SPECIFICATIONS AND REVISED SECTIONS.
2. ELECTRICAL PLANS ARE DIAGRAMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. THE EXACT LOCATIONS OF EQUIPMENT AND APPURTENANCES SHALL BE DETERMINED IN THE FIELD BY THE ELECTRICAL ENGINEER.
3. POLES AND PULL BOXES, SHALL BE LOCATED IN THE PRESENCE OF THE ENGINEER OR INSPECTOR. LOCATIONS SHALL BE APPROVED BY THE ENGINEER OR INSPECTOR PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT ENGINEER OR INSPECTOR AT LEAST 2 WORKING DAYS PRIOR TO LOCATING EQUIPMENT TO ARRANGE FOR THE PRESENCE OF THE ENGINEER OR INSPECTOR.

PROJECT NOTES:

1. FURNISH AND INSTALL 15D STREET LIGHT POLE.
2. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL1, SL3, SL5, SL7, SL9, SL11, SL13, SL15, SL17, AND SL19.
3. EXISTING TYPE 15 POLE.
4. EXISTING SAFETY LIGHT ON SIGNAL MAST ARM.
5. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL2, SL4, SL6, SL8, SL10, SL12, SL14, SL16, SL18, AND SL20.

LEGEND :

- EXISTING PULL BOX
- EXISTING 15TS STREET LIGHT POLE
- PROPOSED 2" CONDUIT
- PROPOSED NO. 5 PULL BOX
- SL# — SL# PROPOSED 15D (6' MAST ARM) STREET LIGHT POLE
- STREETLIGHT NUMBER
- RS REMOVE AND SALVAGE EQUIPMENT

LUMINAIRE SCHEDULE - LED

PROJECT: CROWS LANDING CORRIDOR – STANISLAUS

SYMBOL	LABEL	QUANTITY		LED	DESCRIPTION
		POLES	FIXTURES		
	PROPOSED	9	18	107W*	FURNISH AND INSTALL STREET LIGHT PER CALTRANS 2015 STANDARD PLANS RSP ES–6D.

NOTES:
QUANTITY NOTED ONLY FOR THIS SHEET.
* = LEOTEK OR APPROVED EQUAL

N

0 40' 80'

SCALE: 1"=40'

REGISTERED PROFESSIONAL ENGINEER
RUTA JERMALA
No. 78540
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County Serving to be the best

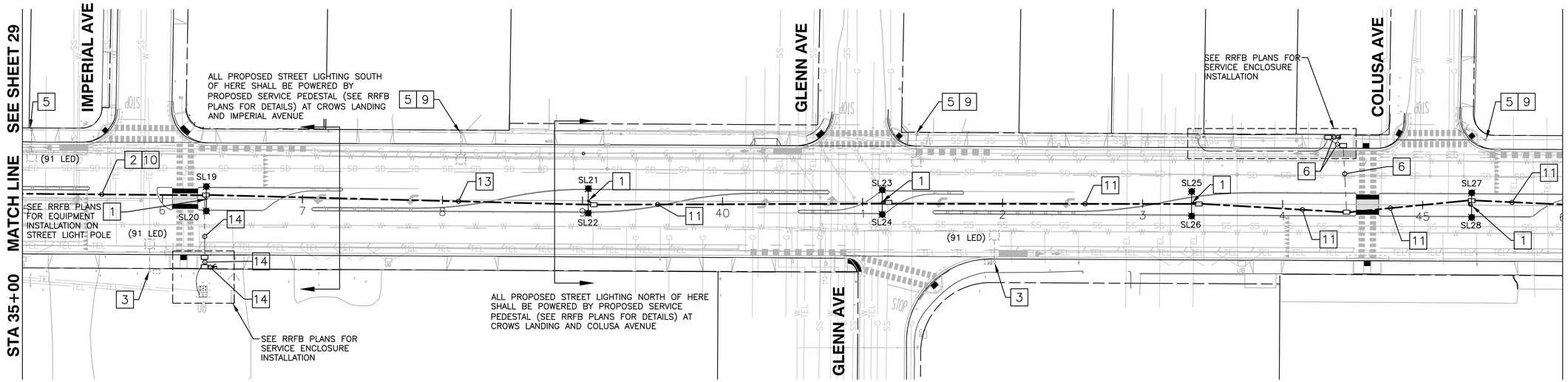
STREET LIGHTING PLAN I

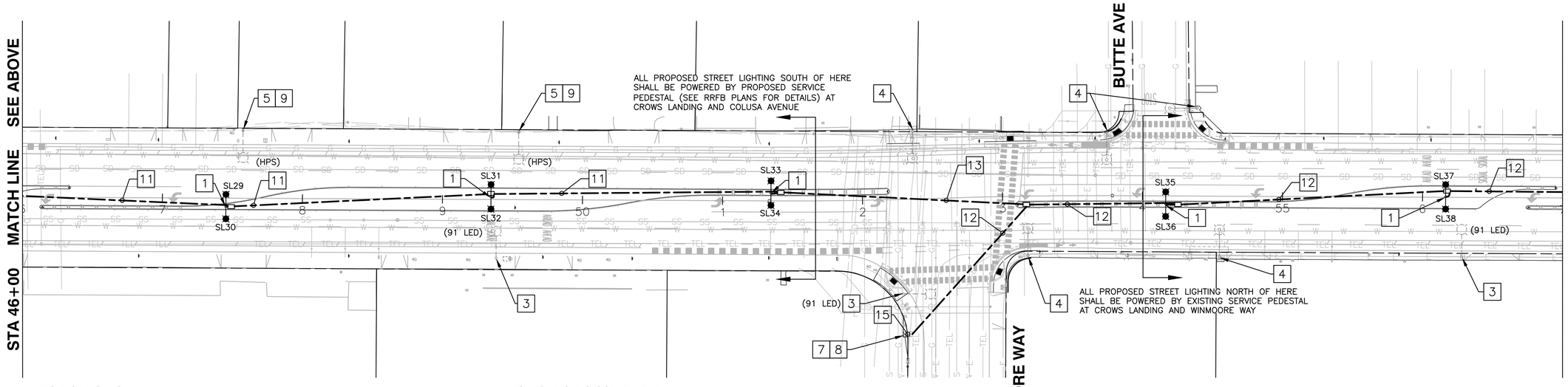
IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY AH
CK BY RP
SURVEY
CONST.
SCALE

SHEET NUMBER
33
OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - SL - Bid.dwg PLOT DATE: 2/28/2020 4:00:12 PM CAD USER: AHIGHSMITH





PROJECT NOTES:

1. FURNISH AND INSTALL 15D STREET LIGHT POLE.
2. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL1, SL3, SL5, SL7, SL9, SL11, SL13, SL15, SL17, AND SL19.
3. EXISTING TYPE 15 POLE.
4. EXISTING SAFETY LIGHT ON SIGNAL MAST ARM.
5. EXISTING STREET LIGHT ON OVERHEAD POLE.
6. FURNISH AND INSTALL 4#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL21 TO SL34 IN CONDUIT(SEE SHEET 30 FOR DETAILS).
7. EXISTING SERVICE PEDESTAL, SEE SHEET 28 FOR DETAILS.
8. FURNISH AND INSTALL 30A CIRCUIT BREAKER(STREET LIGHTING) IN EXISTING SERVICE PEDESTAL FOR THE STREET LIGHTS SL35 TO SL48. CONTRACTOR SHALL COORDINATE WITH T.I.D. FOR MODIFICATIONS TO THE EXISTING SERVICE PEDESTAL. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SERVICE MODIFICATIONS.
9. REPLACE EXISTING HPS LUMINAIRE WITH NEW 91W LED LUMINAIRE.
10. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL2, SL4, SL6, SL8, SL10, SL12, SL14, SL16, SL18, AND SL20.
11. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL21 TO SL34.

PROJECT NOTES(CONTINUED):

12. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL35 TO SL48.
13. FURNISH AND INSTALL 2"C WITH MULE TAPE.
14. FURNISH AND INSTALL 4#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL1 TO SL20 CONDUIT(SEE SHEET 30 FOR DETAILS).
15. FURNISH AND INSTALL 4#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL35 SL48 CONDUIT(SEE SHEET 30 FOR DETAILS).

LEGEND :

- EXISTING PULL BOX
- EXISTING 15TS STREET LIGHT POLE
- PROPOSED 2" CONDUIT
- PROPOSED NO. 5 PULL BOX
- SL# — SL# PROPOSED 15D (6' MAST ARM) STREET LIGHT POLE
- STREETLIGHT NUMBER
- RS REMOVE AND SALVAGE EQUIPMENT

LUMINAIRE SCHEDULE - LED

PROJECT: CROWS LANDING CORRIDOR – STANISLAUS

SYMBOL	LABEL	QUANTITY		LED	DESCRIPTION
		POLES	FIXTURES		
	PROPOSED	10	20	107W*	FURNISH AND INSTALL STREET LIGHT PER CALTRANS 2015 STANDARD PLANS RSP ES-6D.

NOTES:
QUANTITY NOTED ONLY FOR THIS SHEET.
* = LEOTEK OR APPROVED EQUAL

N

0 40' 80'

SCALE: 1"=40'

REGISTERED PROFESSIONAL ENGINEER
RUTA JERMALA
No. 73550
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

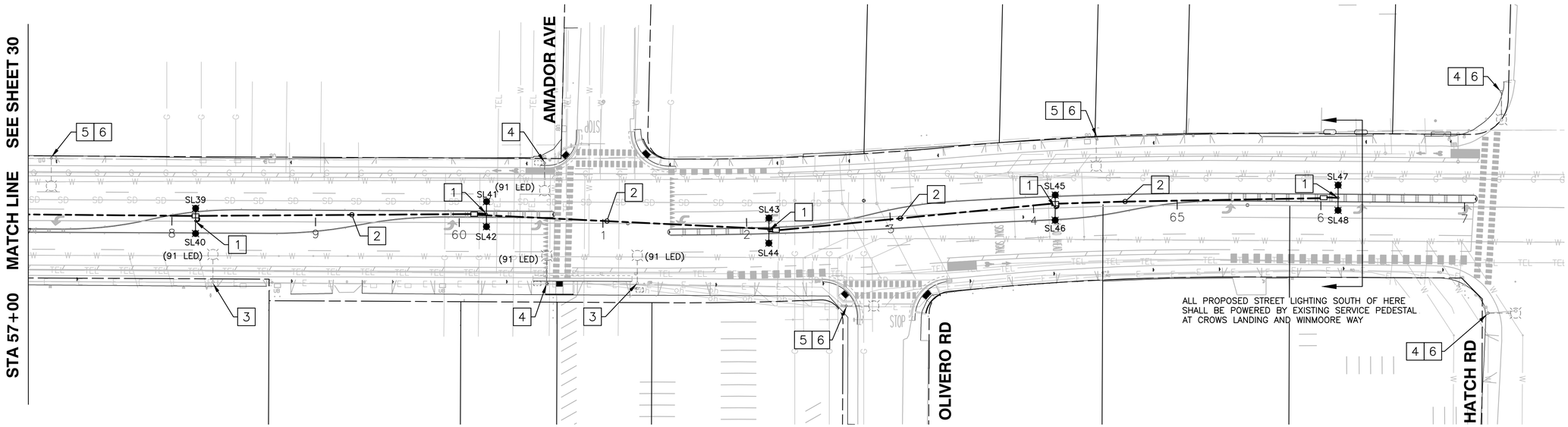
STREET LIGHTING PLAN II

IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO	FN-17111
DATE	02-21-20
DR BY	AH
CK BY	RP
SURVEY	
CONST.	
SCALE	

SHEET NUMBER
34
OF 35 SHEETS

PATH:J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 - SL - Bid.dwg
PLOT DATE: 2/28/2020 4:00:23 PM
CAD USER: AHIGHSMITH



PROJECT NOTES:

1. FURNISH AND INSTALL 15D STREET LIGHT POLE.
2. FURNISH AND INSTALL 2"C WITH 2#8 STREET LIGHTNING AND 1#8 GROUND FOR STREET LIGHTS SL35 TO SL48.
3. EXISTING TYPE 15 POLE.
4. EXISTING SAFETY LIGHT ON SIGNAL MAST ARM.
5. EXISTING STREET LIGHT ON OVERHEAD POLE.
6. REPLACE EXISTING HPS LUMINAIRE WITH NEW 91W LED LUMINAIRE.

LEGEND :

- EXISTING PULL BOX
- EXISTING 15TS STREET LIGHT POLE
- PROPOSED 2" CONDUIT
- PROPOSED NO. 5 PULL BOX
- SL# — SL# PROPOSED 15D (6' MAST ARM) STREET LIGHT POLE
- STREETLIGHT NUMBER
- RS REMOVE AND SALVAGE EQUIPMENT

LUMINAIRE SCHEDULE - LED

PROJECT: CROWS LANDING CORRIDOR – STANISLAUS

SYMBOL	LABEL	QUANTITY		LED	DESCRIPTION
		POLES	FIXTURES		
	PROPOSED	5	10	107W*	FURNISH AND INSTALL STREET LIGHT PER CALTRANS 2015 STANDARD PLANS ES–6D.

NOTES:
QUANTITY NOTED ONLY FOR THIS SHEET.
* = LEOTEK OR APPROVED EQUAL

N

0 40' 80'

SCALE: 1"=40'

REGISTERED PROFESSIONAL ENGINEER
RUTA JERMALA
No. 73640
Exp. 9/30/21
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

DATE:

NO	DESCRIPTIONS	DATE	APPROVED
	REVISIONS		

STANISLAUS COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND OPERATIONS DIVISION
1716 MORGAN ROAD – MODESTO, CA 95358

Stanislaus County
Striving to be the best

STREET LIGHTING PLAN III

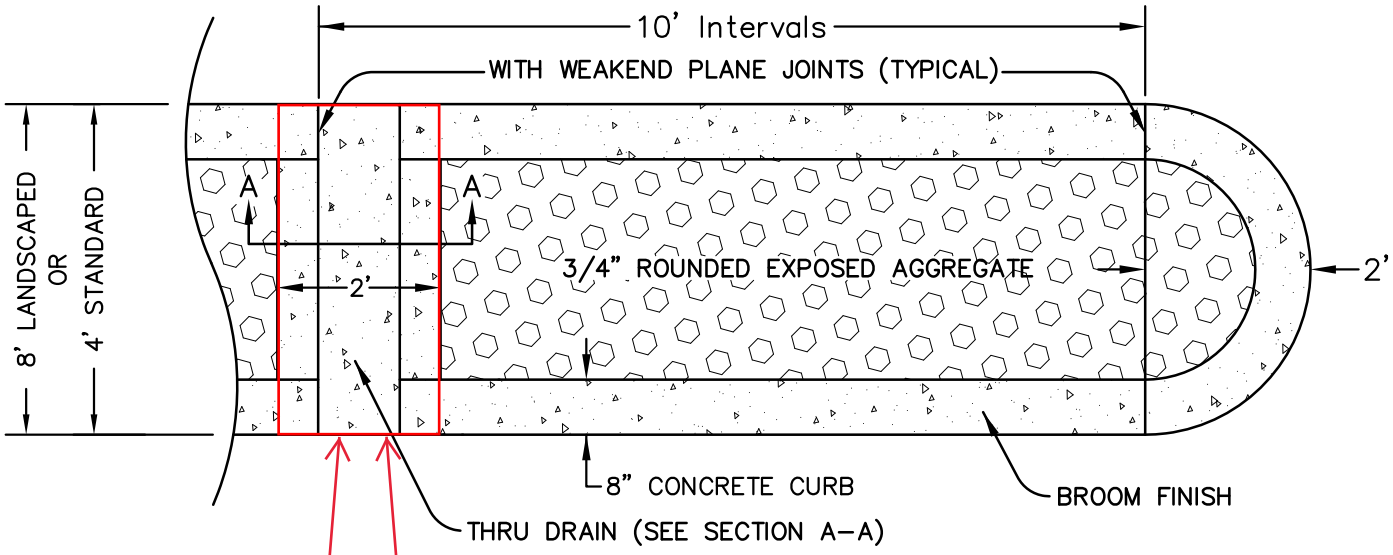
IMPROVEMENT PLANS FOR:
CROWS LANDING ROAD
(WHITMORE AVENUE TO HATCH ROAD)
STANISLAUS COUNTY, CALIFORNIA

JOB NO FN–17111
DATE 02–21–20
DR BY AH
CK BY RP
SURVEY
CONST.
SCALE

SHEET NUMBER
35
OF 35 SHEETS

PATH: J:\JURISDICTION\S\Stanislaus County\101-041 Crows Landing Corridor Project\ACAD\Bid\101-041 – SL – Bid.dwg
PLOT DATE: 2/28/2020 4:00:32 PM
CAD USER: AHIGHSMITH

SEE AMENDMENT #1 DATED APRIL 2, 2020

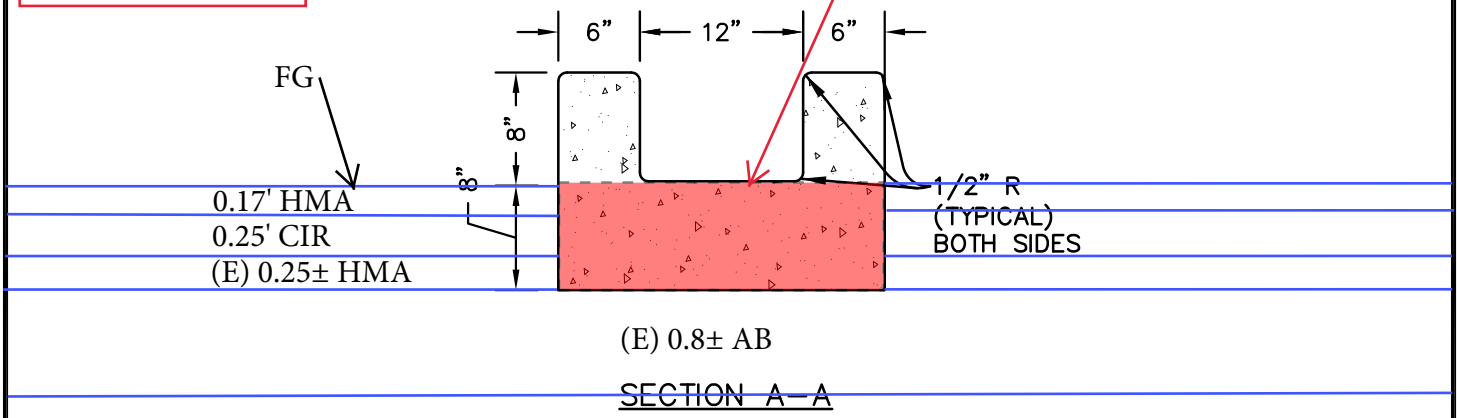


PLAN

SAW Along Limits of Thru-Drain for Installation

Limits of SF Quantity for Thru-Drains

Remove HMA to Install Thru-Drain



SECTION A–A

NOTES:

1. ON LANDSCAPED MEDIANS, THE CURB SHALL EXTEND TO THE BOTTOM OF THE AGGREGATE BASE.
2. PROVIDE WEAKENED PLANE JOINTS EVERY 10 FEET AND AT END OF RETURNS.
3. LANDSCAPED MEDIANS SHALL BE A MINIMUM OF 8 FEET WIDE.
4. REFER TO STANDARD PLATE DETAIL 3–N2 FOR 8" MEDIAN CONCRETE CURB DETAIL

NO.	REVISED	BY

UPDATED BY: PAUL SAINI, RCE
DONAL HICKS, SR. ENGR. TECH
CHECKED BY: DAVID LEAMON, RCE

MEDIAN DETAIL

COUNTY OF STANISLAUS
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:
MATTHEW MACHADO, RCE
DIRECTOR OF PUBLIC WORKS

DATE: JUNE 2, 2014

PLATE NO: 3–N1