COUNTY OF TEHAMA

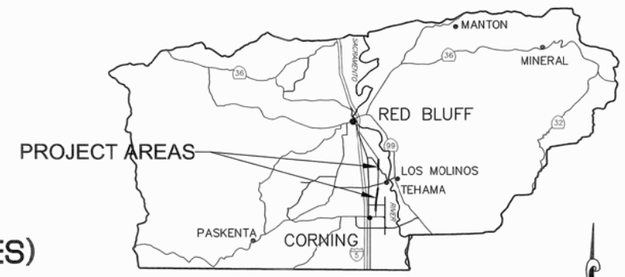
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLANS FOR

99W OVERLAY PROJECT

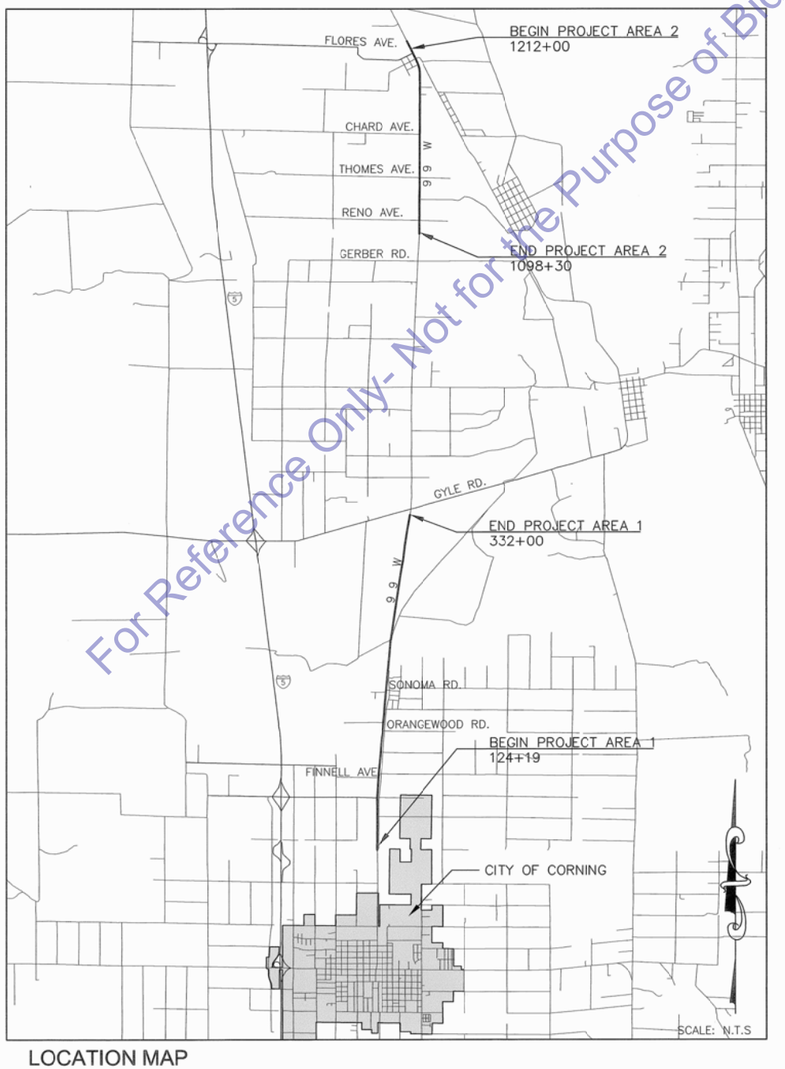
AREA 1 0.6 MILES SOUTH OF FINNELL AVE. TO GYLE RD. (3.94 MILES)
AREA 2 FLORES AVE. TO RENO AVE. (2.15 MILES)

TEHAMA COUNTY



VICINITY MAP

COUNTY PROJECT NO. 12-270893



LOCATION MAP

For Reference Only- Not for the Purpose of Bidding

INDEX OF SHEETS

SHEET	DESCRIPTION
T-1	TITLE SHEET
T-2	SHEET LEGEND
X-1	SECTION DETAILS, METHOD A, STANDARD
X-2	SECTION DETAILS, METHOD B, COLD IN-PLACE RECYCLING
X-3	RUMBLE STRIP AND TYPICAL INTERSECTION LAYOUT
P-1 TO P-8	OVERLAY PLANS
Q-1	QUANTITIES SHEET

LEGEND

A.B.	AGGREGATE BASE
BLDG	BUILDING
CL	CENTERLINE
D/W	DRIVEWAY
ETW	EDGE TRAVELED WAY
EP	EDGE OF PAVEMENT
(E)	EXISTING
FL	FLOWLINE
HMA	HOT MIX ASPHALT
N.I.C.	NOT IN CONTRACT
RACS	REPLACE ASPHALT CONCRETE SURFACING
R/W	RIGHT OF WAY
P.I.	POINT OF INTERSECTION
P.O.B.	POINT OF BEGINNING
P.O.E.	POINT OF ENDING
SHO	SHOULDER
TYP	TYPICAL

TEHAMA COUNTY BOARD OF SUPERVISORS

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DISTRICT 2	GEORGE RUSSELL
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DISTRICT 4	BOB WILLIAMS
DISTRICT 5	RON WARNER

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TEHAMA COUNTY DEPARTMENT OF PUBLIC WORKS

GARY ANTONE, PE, PLS
DIRECTOR OF PUBLIC WORKS

REGISTERED PROFESSIONAL ENGINEER GARY B. ANTONE C 36077 CIVIL STATE OF CALIFORNIA

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER RADLEY M. [illegible] C 76136 EXP. 06/10/14 CIVIL STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

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99W OVERLAY PROJECT
SOUTH OF FINNELL AVE. TO GYLE RD.
FLORES AVE. TO RENO AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
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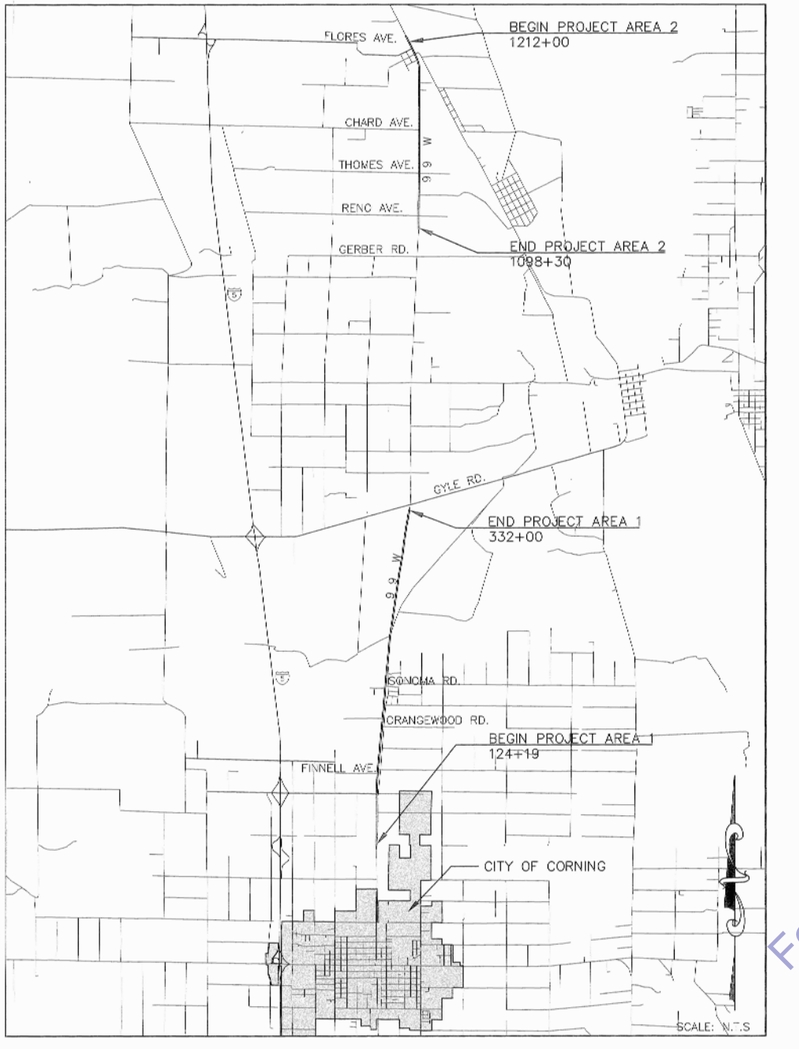
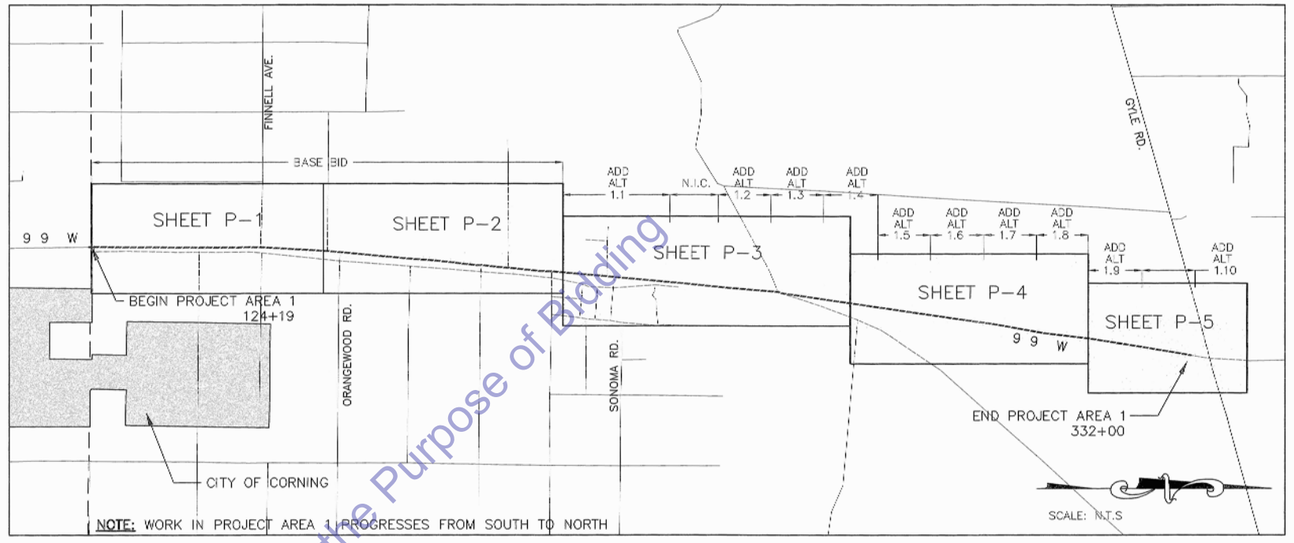
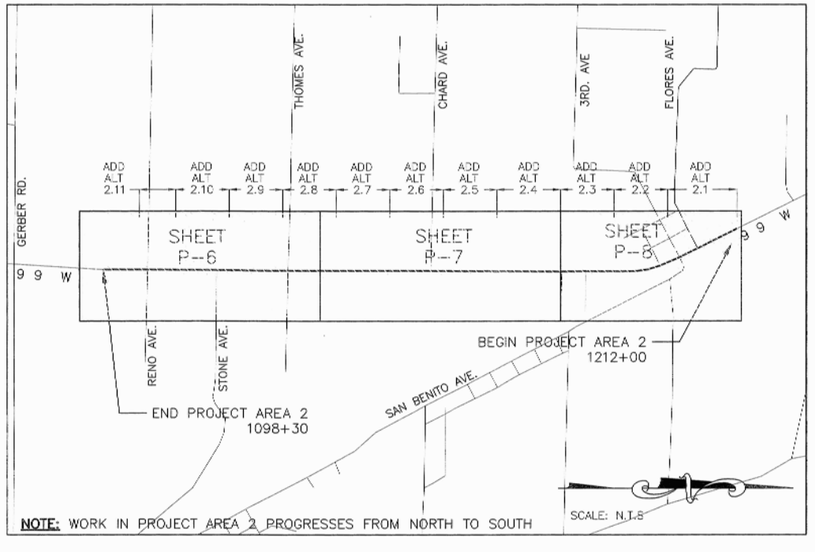
LOCATION MAP
PROJECT AREAS 1 AND 2



PROJECT AREA 1
0.6 MILES SOUTH OF FINNELL AVE. TO GYLE RD.



PROJECT AREA 2
FLORES AVE. TO RENO AVE.



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99W OVERLAY PROJECT

SHEET LEGEND

PROJECT NO.: 270893

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METHOD 'A'

RESURFACING NOTES:

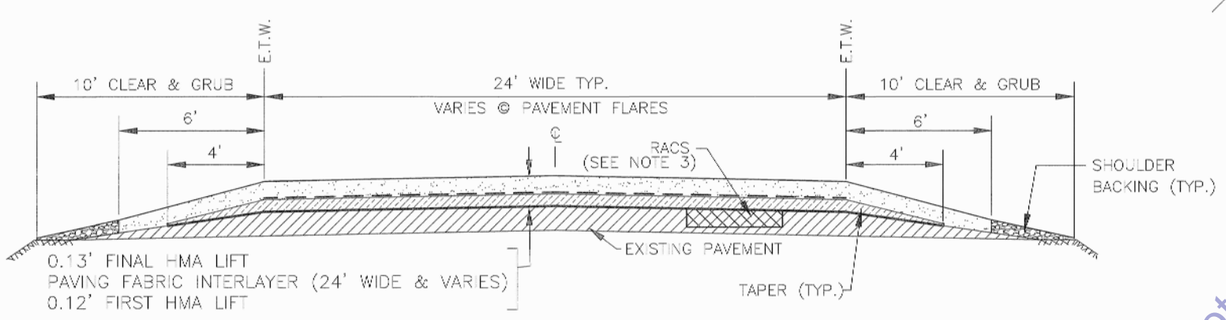
1. AT DISCRETION OF THE ENGINEER, GRADING DEPTHS AND WIDTHS MAY BE MODIFIED BASED ON FIELD CONDITIONS.
2. EXISTING PAVEMENT DEPTHS WERE BASED ON ORIGINAL CONSTRUCTION PLANS AND MAY NOT BE CONSISTENT ACROSS TRAVELED WAY.
3. RACS LOCATIONS WILL OCCUR FROM STATION TO STATION AS DIRECTED BY THE ENGINEER

EXISTING CONCRETE

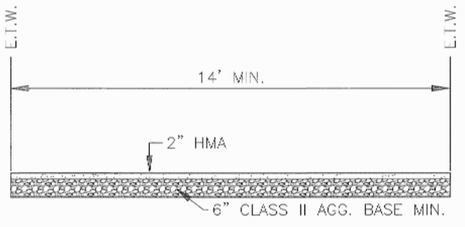
EXISTING ASPHALT

FINAL HMA LIFT

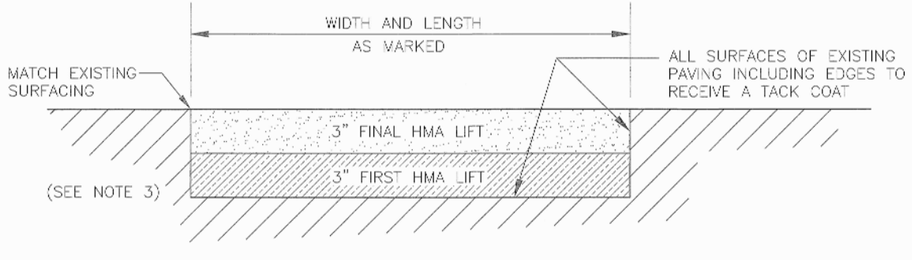
FIRST HMA LIFT



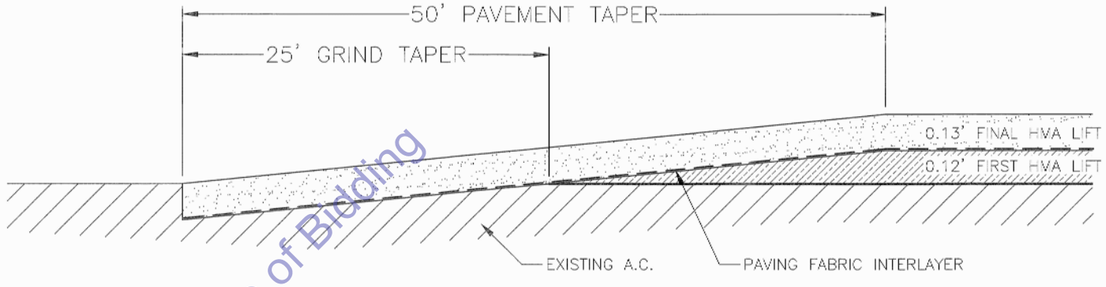
TYPICAL SECTION ROAD 99W



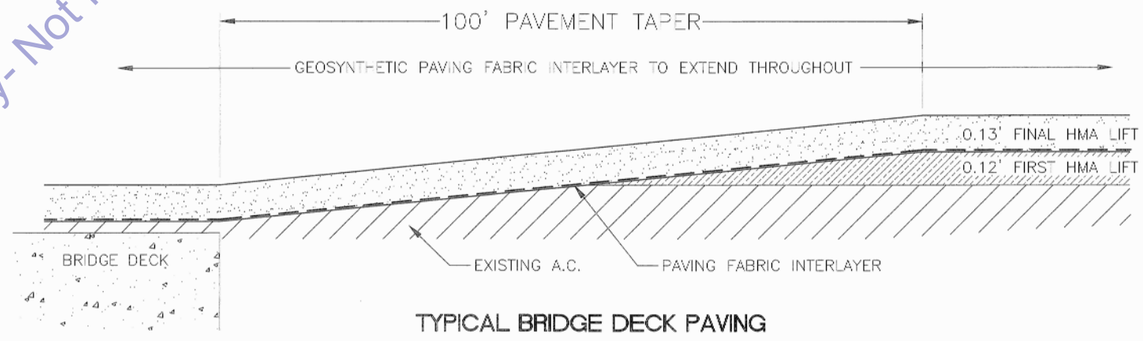
TYPICAL DRIVEWAY SECTION



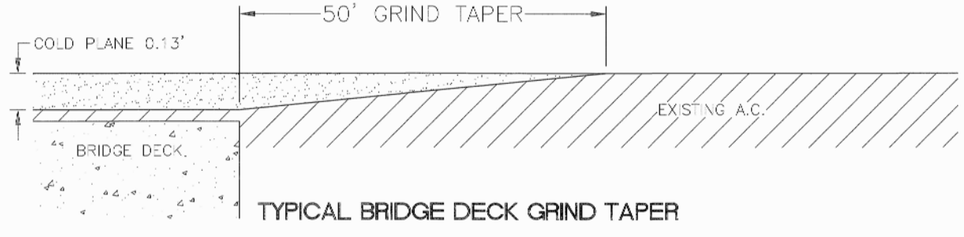
REPLACE ASPHALT CONCRETE SURFACING (RACS)



TYPICAL A.C. TAPER CONFORM



TYPICAL BRIDGE DECK PAVING



TYPICAL BRIDGE DECK GRIND TAPER

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99W OVERLAY PROJECT

SECTION DETAILS

CONSTRUCTION METHOD 'A'
(Two Lift HMA Overlay with Asphalt Replacement and Geosynthetic Fabric)

PROJECT NO.: 270893

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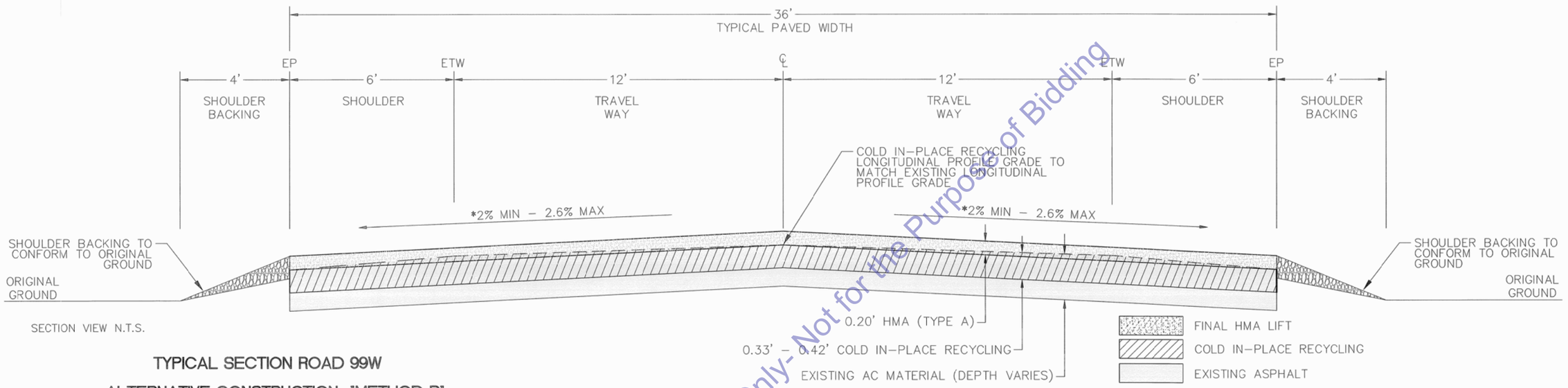
METHOD 'B'



SECTION VIEW N.T.S.

TYPICAL SECTION ROAD 99W

ALTERNATIVE CONSTRUCTION "METHOD B" COLD IN-PLACE RECYCLING

*NOTE: SET GRIND DEPTH AND CROSS SLOPE TO CREATE A CONSISTENT CROSS SLOPE OF TRAVEL WAY AND SHOULDER WHEN POSSIBLE. CROSS SLOPE OF TRAVEL WAY SHALL NOT EXCEED 2.6%

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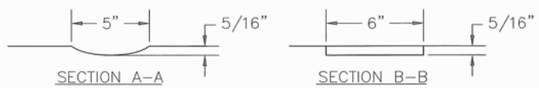
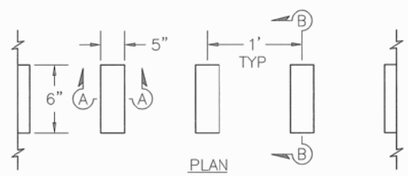
99W OVERLAY PROJECT
SECTION DETAILS
CONSTRUCTION METHOD 'B'
(Cold In-Place Recycling with Single Lift HMA Overlay)

PROJECT NO.: 270893

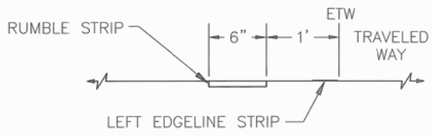
SHEET NO.	PAGE NO.
X-2	4/14

SHOULDER RUMBLE STRIP

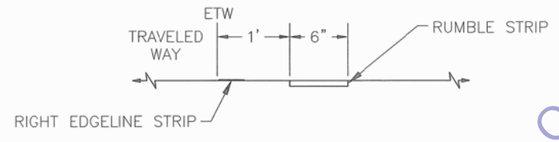




ROLLED–IN INDENTATIONS



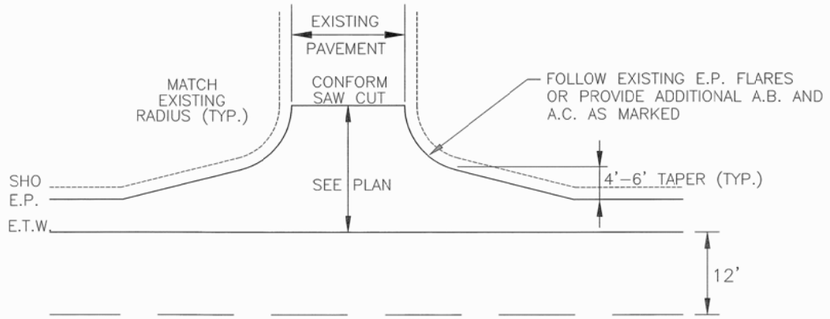
RUMBLE STRIP PLACEMENT
LEFT OF DIRECTION OF TRAVEL



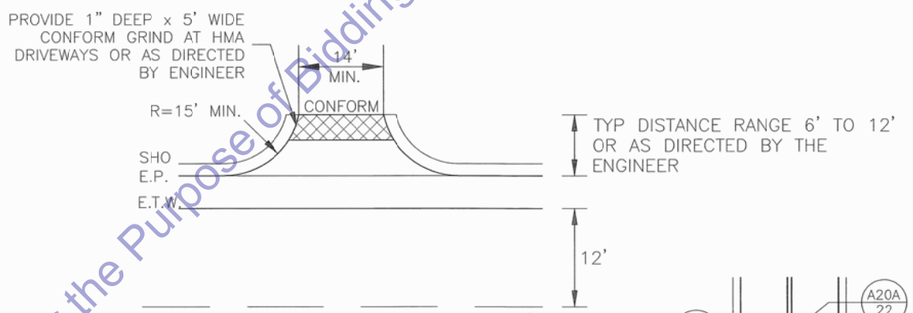
RUMBLE STRIP PLACEMENT
RIGHT OF DIRECTION OF TRAVEL

NOTES:

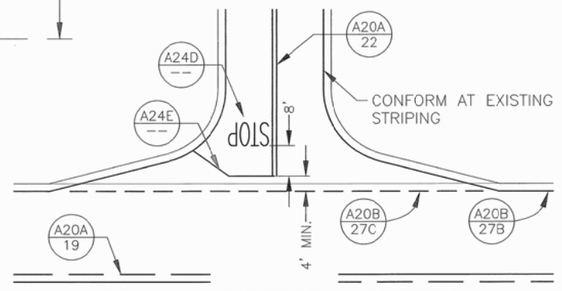
1. Define limits of Rumble Strip by station.
2. A 1' offset from the edge of traveled way to the edge of the rumble strip shall be used for rumble strip placement right of the direction of travel.



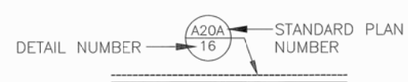
CONNECTION FOR EXISTING PUBLIC ROAD



TYPICAL D/W CONNECTION



TYPICAL INTERSECTION STRIPING



STRIPING NOTATION

MARKINGS LEGEND (PER STATE OF CALIFORNIA STANDARD PLANS)

A20A 6	DASHED YELLOW LINE W/ MARKERS CENTER LINE
A20A 19	DASHED & SOLID YELLOW LINES W/ MARKERS NO PASSING ZONE– ONE DIRECTION
A20A 22	SOLID DOUBLE YELLOW LINES W/ MARKERS NO PASSING ZONE– TWO DIRECTIONS
A20B 27B	SOLID WHITE LINE RIGHT EDGELINE
A20B 27C	DASHED WHITE LINE EXTENSION LINE
A20B 29	SOLID DOUBLE YELLOW LINES W/ MARKERS MEDIAN ISLANDS
A20B 32	DASHED & SOLID YELLOW LINES W/ MARKERS TWO WAY LEFT TURN LANES
A20D 38	THICK SOLID WHITE W/ MARKERS CHANNELIZING LINE
A24B --	ARROW PAVEMENT MARKING AS NOTED ON PLAN
A24C --	NUMERIC PAVEMENT MARKING AS NOTED ON PLAN
A24D --	"STOP" PAVEMENT MARKING
A24E --	LIMIT LINE

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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER RADLEY M. CIVIL STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385–1462

COUNTY OF TEHAMA

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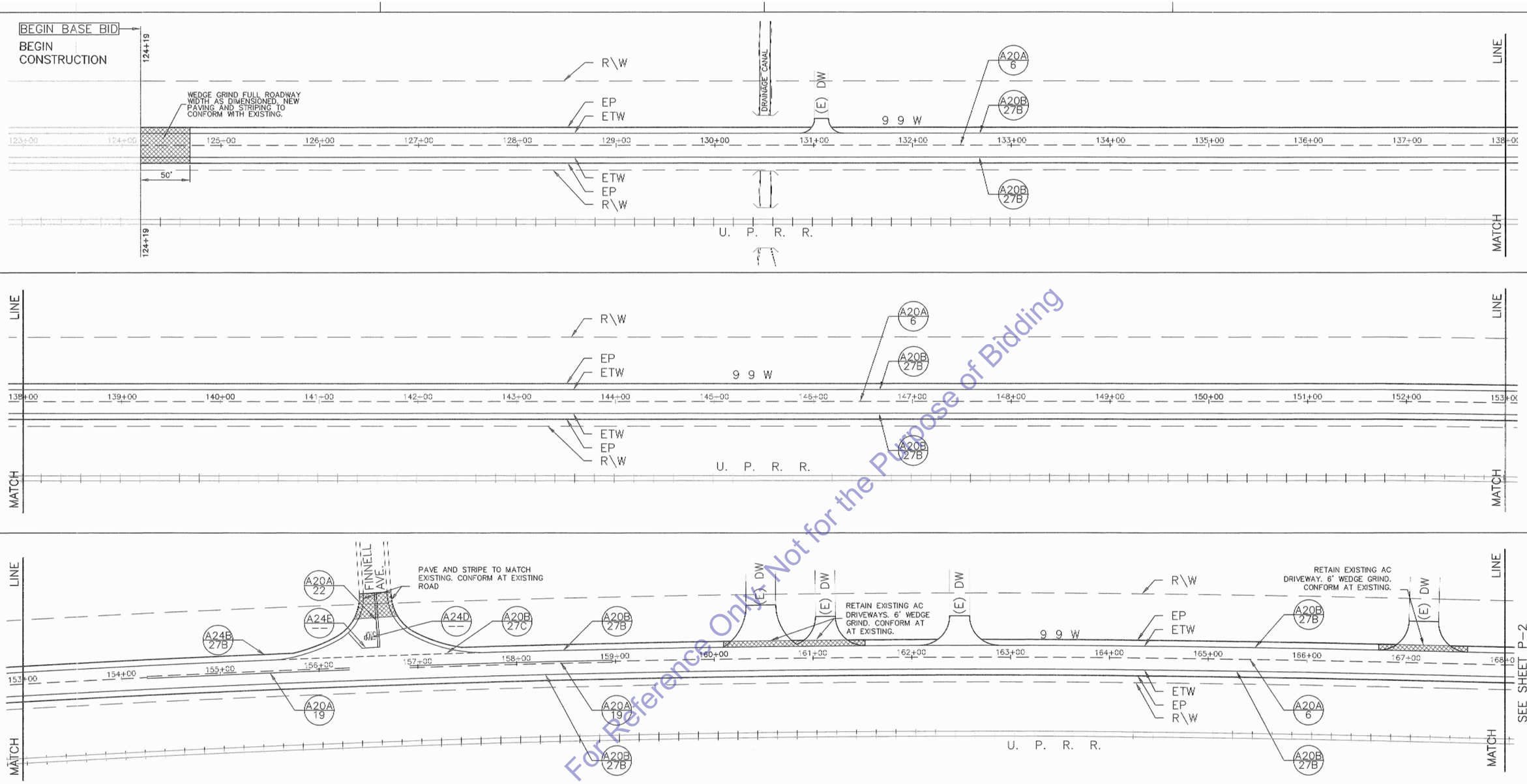
DATE:	7/24/2012

99W OVERLAY PROJECT

RUMBLE STRIP AND TYPICAL INTERSECTION LAYOUT

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
X–3	5/14



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MARKINGS LEGEND (PER STATE OF CALIFORNIA STANDARD PLANS 2010)

- A20A 6 — DASHED YELLOW LINE W/ MARKERS CENTER LINE
- A20A 19 — DASHED & SOLID YELLOW LINES W/ MARKERS NO PASSING ZONE– ONE DIRECTION
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- A24D -- — "STOP" PAVEMENT MARKING
- A24E -- — LIMIT LINE

50 0 50 100

No.	REVISION:	BY:	DATE:

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(530) 385-1462

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DATE:	7/24/2012
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DATE:	7/24/2012

99W OVERLAY PROJECT

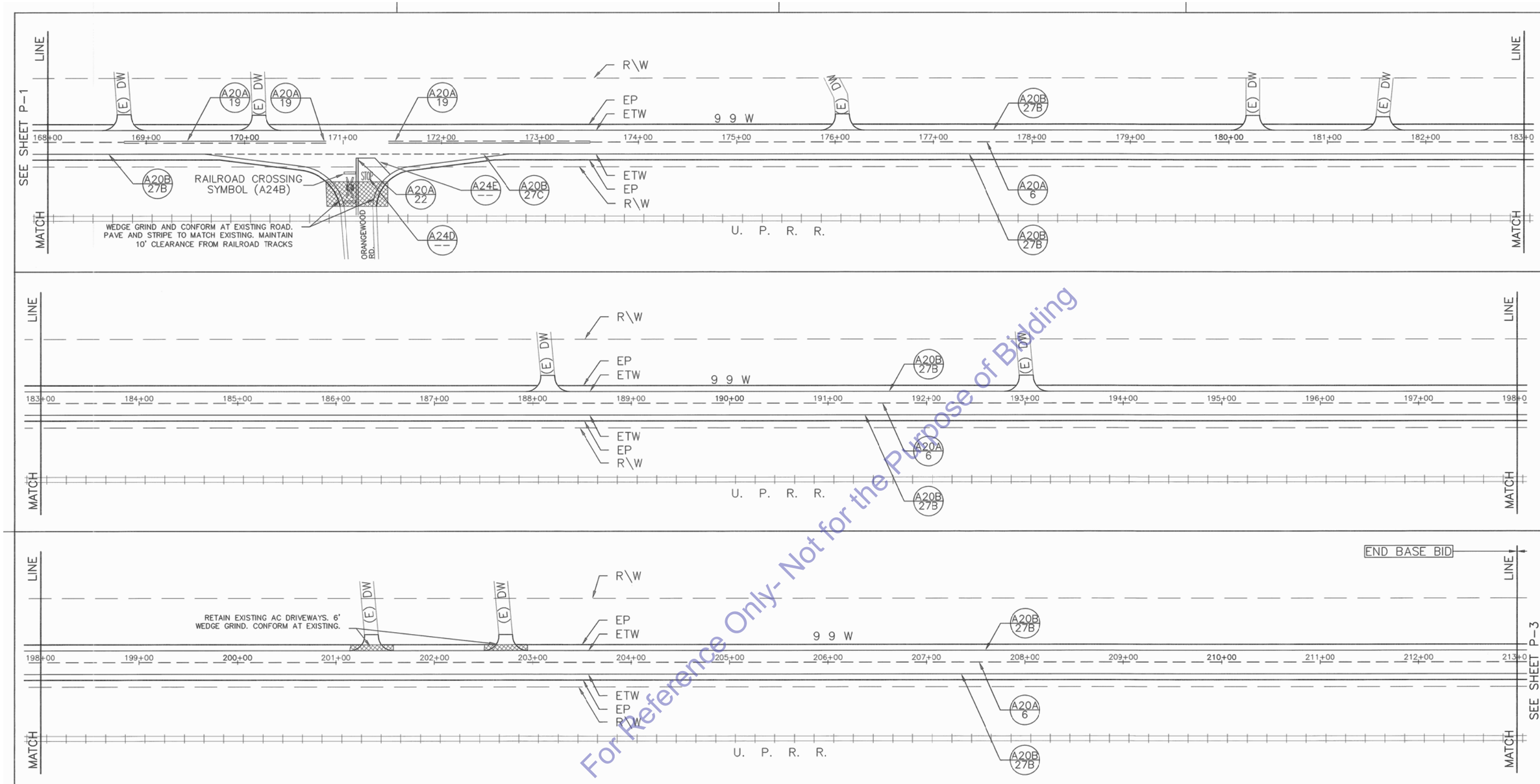
OVERLAY PLAN

PROJECT AREA 1

SOUTH OF FINNELL AVE. TO GYLE AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P-1	6/14



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50 0 50 100

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REGISTERED PROFESSIONAL ENGINEER — RODLEY M. OTT — EXP 06/30/14 — CIVIL — STATE OF CALIFORNIA

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HORIZ:	1"=50'	NDC	RO & SF	RO & SF
VERT:	1"=50'			
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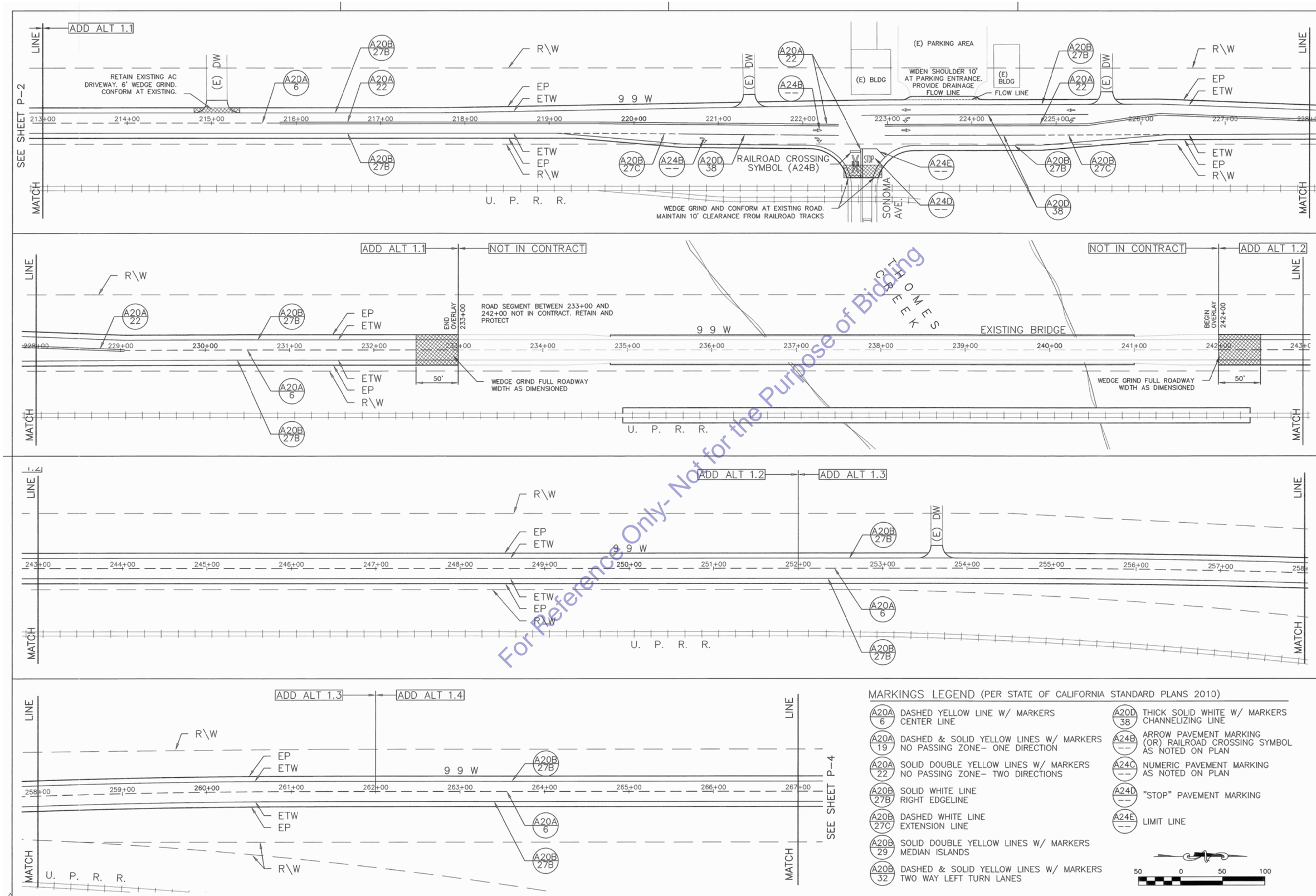
99W OVERLAY PROJECT

OVERLAY PLAN

PROJECT AREA 1
SOUTH OF FINNELL AVE. TO GYLE AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P-2	7/14



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50 0 50 100

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REGISTERED PROFESSIONAL ENGINEER RADLEY M. ... EXP. 06/10/14 CIVIL STATE OF CALIFORNIA

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99W OVERLAY PROJECT

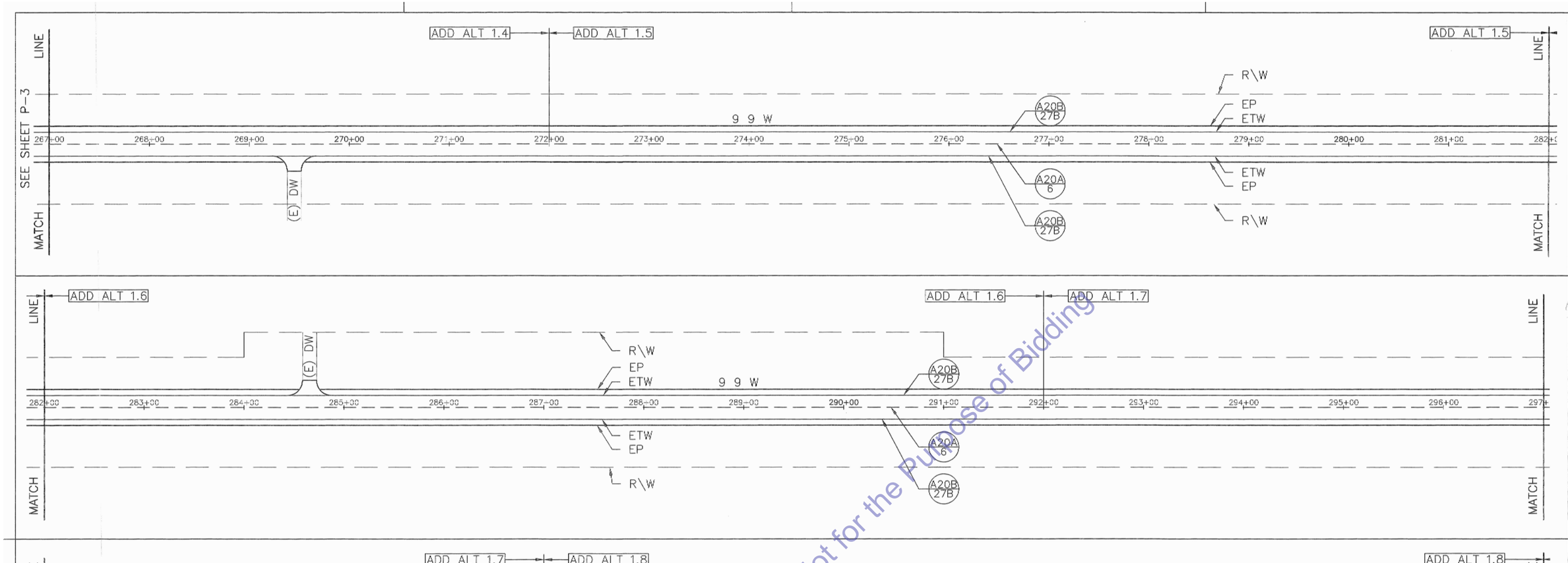
OVERLAY PLAN

PROJECT AREA 1
SOUTH OF FINNELL AVE. TO GYLE AVE.

PROJECT NO.: 270893

SHEET NO. P-3

PAGE NO. 8/14



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50 0 50 100

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DATE:	7/24/2012	

99W OVERLAY PROJECT

OVERLAY PLAN

PROJECT AREA 1
SOUTH OF FINNELL AVE. TO GYLE AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
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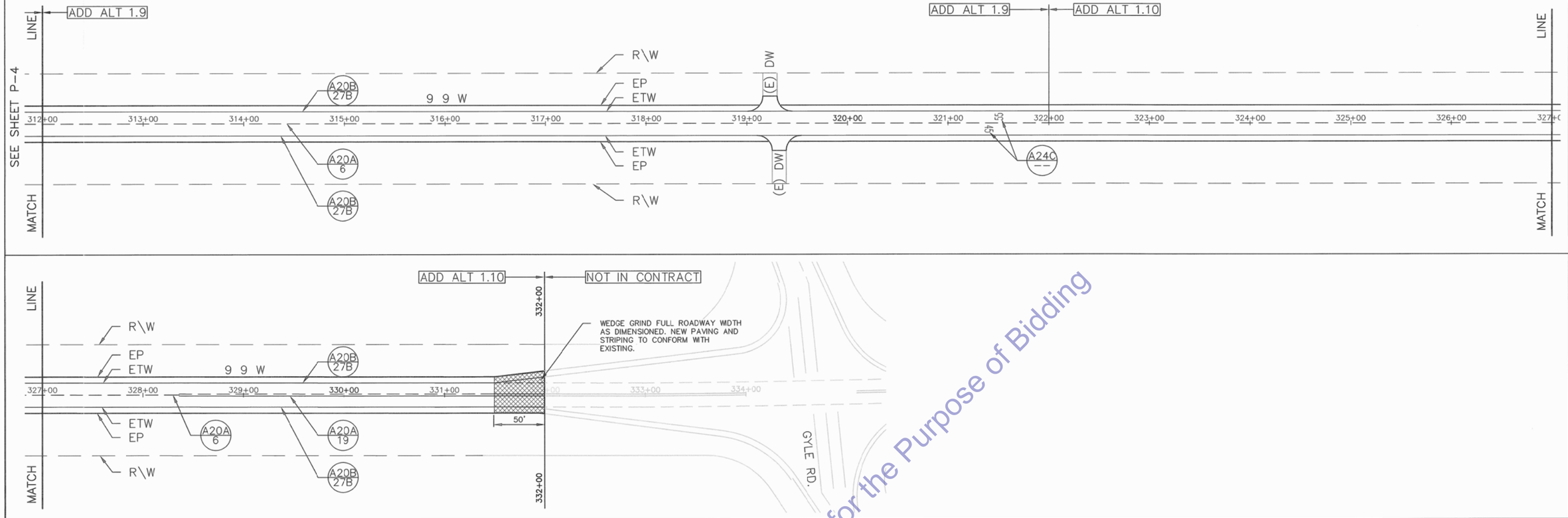

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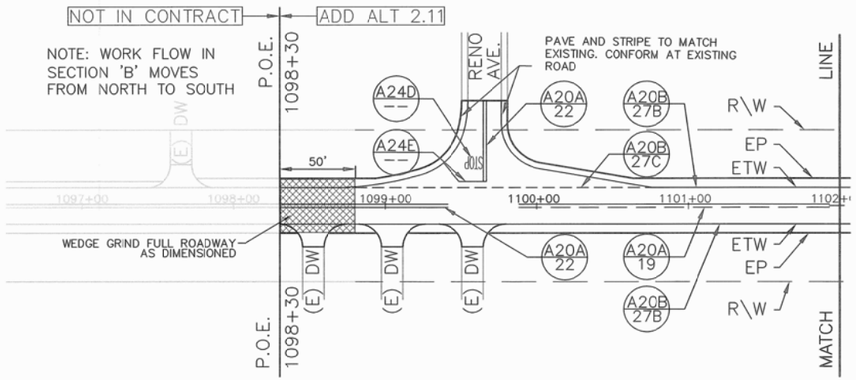
99W OVERLAY PROJECT

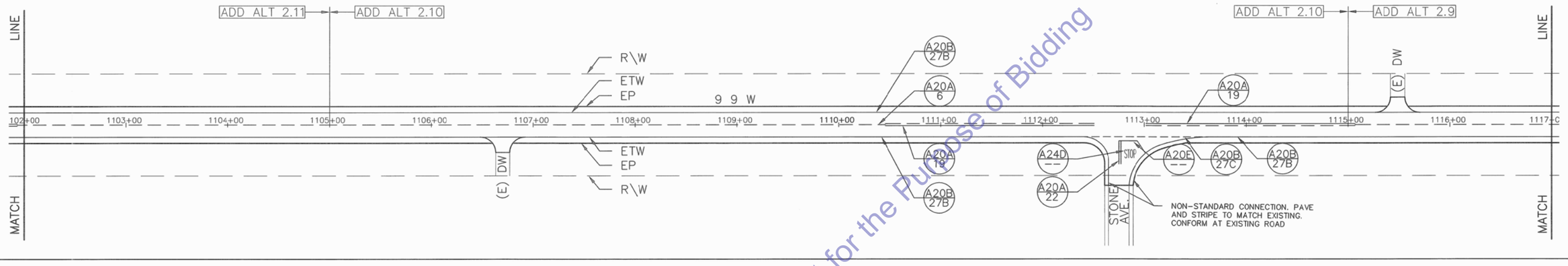
OVERLAY PLAN

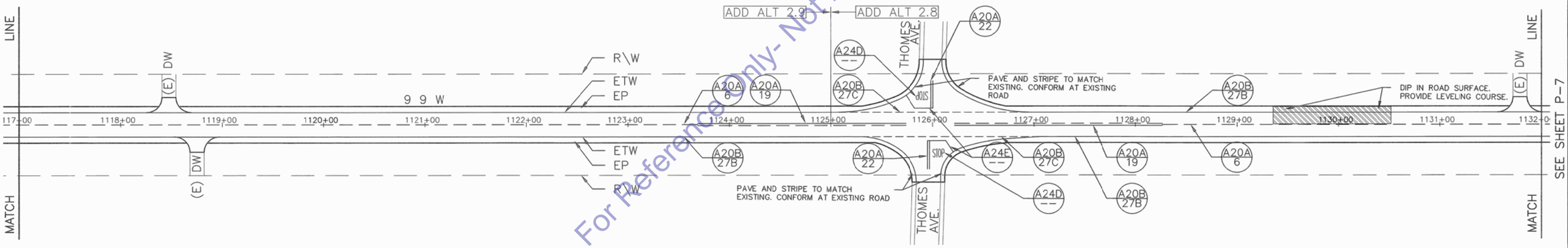
PROJECT AREA 1
SOUTH OF FINNELL AVE. TO GYLE AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P–5	10/14







For Reference Only- Not for the Purpose of Bidding

MARKINGS LEGEND (PER STATE OF CALIFORNIA STANDARD PLANS 2010)

- A20A 6 — DASHED YELLOW LINE W/ MARKERS CENTER LINE
- A20A 19 — DASHED & SOLID YELLOW LINES W/ MARKERS NO PASSING ZONE– ONE DIRECTION
- A20A 22 — SOLID DOUBLE YELLOW LINES W/ MARKERS NO PASSING ZONE– TWO DIRECTIONS
- A20B 27B — SOLID WHITE LINE RIGHT EDGELINE
- A20B 27C — DASHED WHITE LINE EXTENSION LINE
- A20B 29 — SOLID DOUBLE YELLOW LINES W/ MARKERS MEDIAN ISLANDS
- A20B 32 — DASHED & SOLID YELLOW LINES W/ MARKERS TWO WAY LEFT TURN LANES
- A20D 38 — THICK SOLID WHITE W/ MARKERS CHANNELIZING LINE
- A24B — ARROW PAVEMENT MARKING (OR) RAILROAD CROSSING SYMBOL AS NOTED ON PLAN
- A24C — NUMERIC PAVEMENT MARKING AS NOTED ON PLAN
- A24D — "STOP" PAVEMENT MARKING
- A24E — LIMIT LINE

50 0 50 100

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER
ASHLEY M. DEWITT
No. 76766
EXP. 06/10/14
CIVIL
STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

SCALE		DRAWN BY:	DATE:	CHECKED BY:	DATE:
HORIZ:	1"=50'	NDC	7/24/2012	RO & SF	7/24/2012
VERT:	1"=50'				

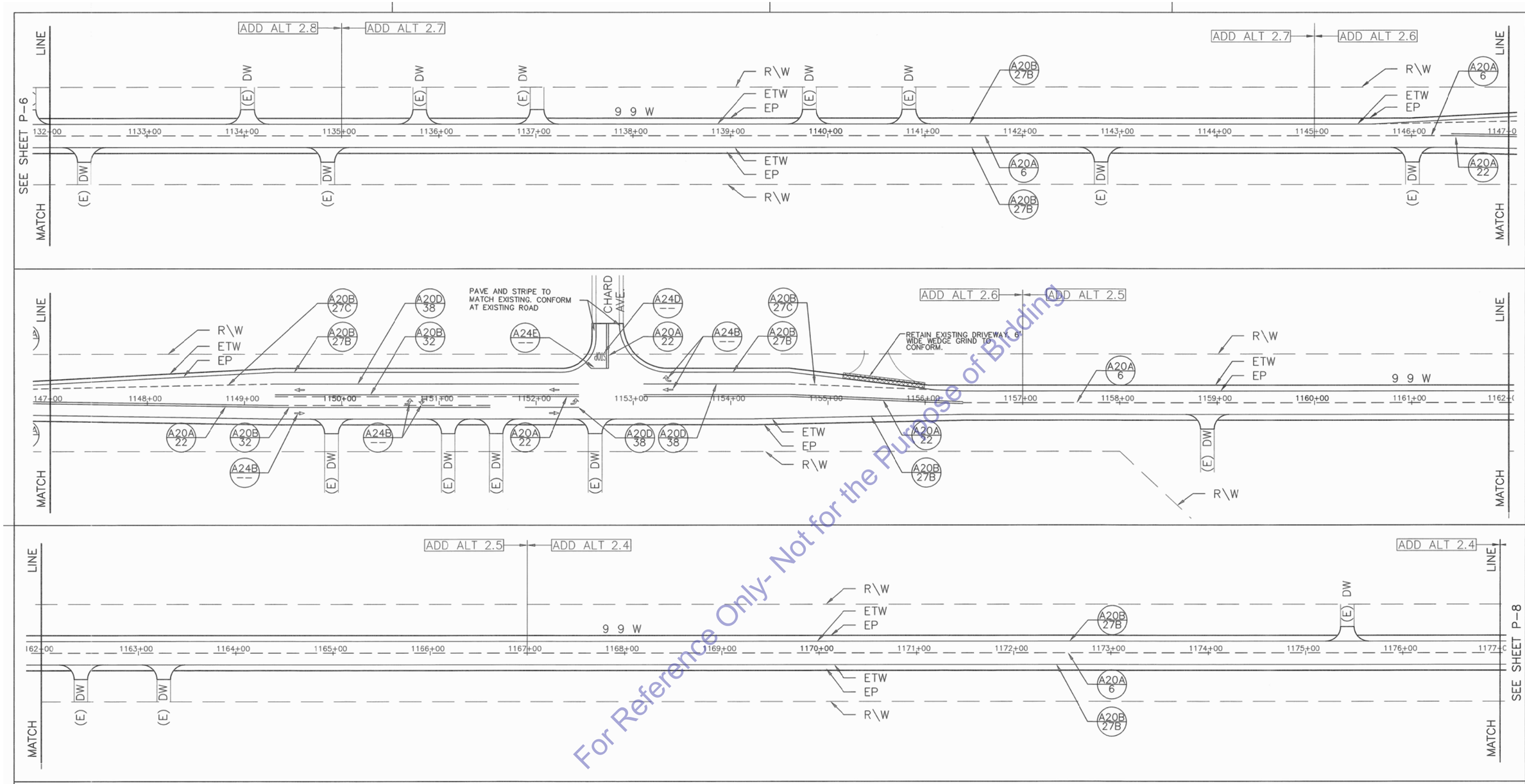
99W OVERLAY PROJECT

OVERLAY PLAN

PROJECT AREA 2
FLORES AVE. TO RENO AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P–6	11/14



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50 0 50 100

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER — RANDLEY M. [illegible] — No. 70[illegible] — EXP. 06/30/14 — CIVIL — STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

COUNTY OF TEHAMA

SCALE		DRAWN BY:	CHECKED BY:
HORIZ:	1"=50'	NDC	RO & SF
VERT:	1"=50'	DATE: 7/24/2012	DATE: 7/24/2012

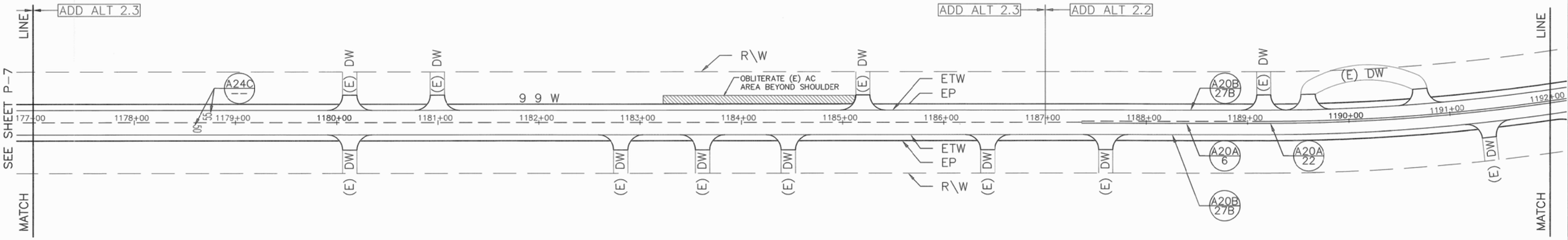
99W OVERLAY PROJECT

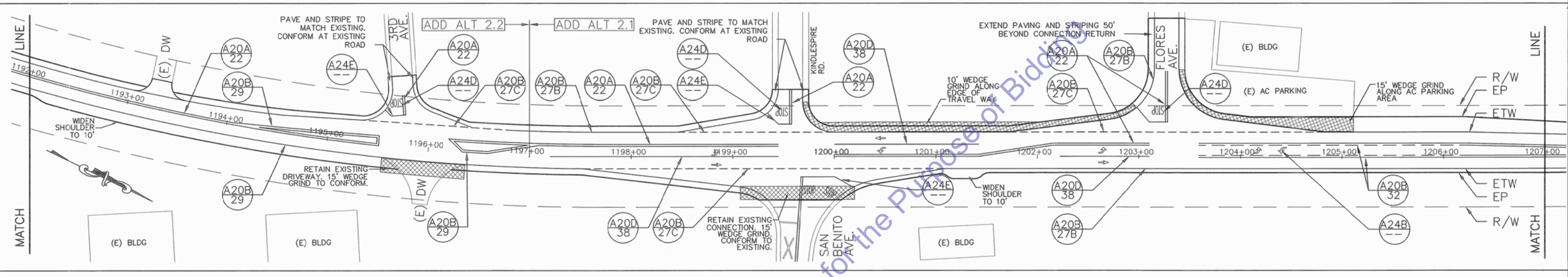
OVERLAY PLAN

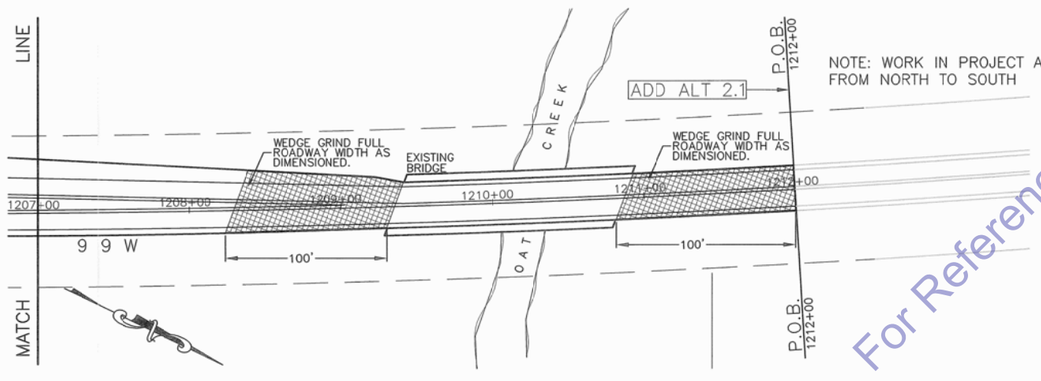
PROJECT AREA 2
FLORES AVE. TO RENO AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P–7	12/14







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MARKINGS LEGEND (PER STATE OF CALIFORNIA STANDARD PLANS 2010)

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50 0 50 100

No.	REVISION:	BY:	DATE:

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

REGISTERED PROFESSIONAL ENGINEER — RANDALL E. MOTT — No. C 66 — Exp. 06/30/14 — CIVIL — STATE OF CALIFORNIA

SCALE		DRAWN BY: NDC	
HORIZ:	1"=50'	DATE: 7/24/2012	
VERT:	1"=50'	CHECKED BY: RO & SF	
		DATE: 7/24/2012	

99W OVERLAY PROJECT

OVERLAY PLAN

PROJECT AREA 2
FLORES AVE. TO RENO AVE.

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
P–8	13/14

CONSTRUCTION METHOD 'A' QUANTITIES
TWO LIFT HMA OVERLAY WITH REPLACEMENT OF ASPHALT CONCRETE SURFACING AND GEOSYNTHETIC PAVEMENT FABRIC INTERLAYER

		ROADWAY ITEMS						PAVEMENT DELINATION										
PROJECT AREA	LOCATION	HMA TYPE (A)	SALVAGE AND REPLACE ASPHALT CONCRETE SURFACING	GEOSYNTHETIC FABRIC	SHOULDER BACKING	RUMBLE STRIP	COLD PLANE ASPHALT CONCRETE	DETAIL A20A, 6	DETAIL A20A, 19	DETAIL A20A, 22	DETAIL A20B, 27B	DETAIL A20B, 27C	DETAIL A20B, 32	DETAIL A20D, 38	DETAIL A24B ARROWS	DETAIL A24B RR XING	DETAIL A24C NUMERIC	DETAIL A24D STOP
		TON	CY	SY	TON	LF	SY	LF	LF	LF	LF	LF	LF	LF	SF	SF	SF	SF
BASE BID	124+69 TO 213+00	6249	1543	26643	1283	16680	686	7937	1640	208	17818	516	0	0	0	118	0	44
1.1	213+00 TO 233+00	1669	412	6000	289	2275	311	680	0	2608	4011	310	0	640	288	118	0	22
1.2	242+00 TO 252+00	675	167	3000	144	2000	200	1000	0	0	2000	0	0	0	0	0	0	0
1.3	252+00 TO 262+00	678	167	3000	146	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.4	262+00 TO 272+00	678	167	3000	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
1.5	272+00 TO 282+00	675	167	3000	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.6	282+00 TO 292+00	678	167	3000	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
1.7	292+00 TO 302+00	675	167	3000	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.8	302+00 TO 312+00	675	167	3000	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.9	321+00 TO 332+00	680	168	3000	147	1970	0	1000	0	0	2000	0	0	0	0	0	35	0
1.10	332+00 TO 331+39	670	165	2970	143	1970	211	640	305	100	1980	50	0	0	0	0	0	0
PROJECT AREA 1 SUB TOTAL		14002	3457	59613	2876	36865	1408	17257	1945	2916	39809	876	0	640	288	236	35	66
2.1	1212+00 TO 1197+00	1513	374	4500	217	2075	788	0	0	3320	3205	825	526	455	0	0	0	22
2.2	1197+00 TO 1187+00	791	195	3000	152	1055	126	36	181	1016	2036	150	1052	0	0	0	0	22
2.3	1187+00 TO 1177+00	697	172	3000	156	1850	0	1000	0	0	2000	0	0	0	0	0	35	0
2.4	1177+00 TO 1167+00	678	167	3000	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
2.5	1167+00 TO 1157+00	683	169	3000	149	1970	0	1000	0	0	2000	0	0	0	0	0	0	0
2.6	1157+00 TO 1145+00	1178	291	3600	181	1195	52	205	0	1440	2441	0	956	0	324	0	0	22
2.7	1145+00 TO 1135+00	689	170	3000	152	1850	0	1000	0	0	2000	0	0	0	0	0	0	0
2.8	1135+00 TO 1125+00	751	185	3000	150	1510	0	675	558	110	2050	340	0	0	0	0	0	44
2.9	1125+00 TO 1115+00	683	169	3000	149	1910	0	669	135	0	2000	0	0	0	0	0	0	0
2.10	1115+00 TO 1105+00	713	176	3000	146	1850	0	545	410	46	2040	126	0	0	0	0	0	22
2.11	1105+00 TO 1098+30	506	125	2010	101	1065	191	309	410	330	1368	204	0	0	0	0	0	22
POJECT AREA 2 SUB TOTAL		8882	2193	34110	1699	18315	1157	6439	1694	6262	23140	1645	2534	455	324	0	35	154
GRAND TOTAL		22884	5650	93723	4575	55180	2565	23696	3639	9178	62949	2521	2534	1095	612	236	70	220

Project Area 1
0.6 Miles South of Flintell Ave. to Cyle Rd.

Project Area 2
Flores Ave. to Reno Ave.

CONSTRUCTION METHOD 'B' QUANTITIES
COLD IN-PLACE RECYCLING WITH SINGLE LIFT HMA OVERLAY

		ROADWAY ITEMS					PAVEMENT DELINATION										
PROJECT AREA	LOCATION	HMA TYPE (A)	COLD IN-PLACE RECYCLING	SHOULDER BACKING	RUMBLE STRIP	COLD PLANE ASPHALT CONCRETE	DETAIL A20A, 6	DETAIL A20A, 19	DETAIL A20A, 22	DETAIL A20B, 27B	DETAIL A20B, 27C	DETAIL A20B, 32	DETAIL A20D, 38	DETAIL A24B ARROWS	DETAIL A24B RR XING	DETAIL A24C NUMERIC	DETAIL A24D STOP
		TON	TON	TON	LF	SY	LF	LF	LF	LF	LF	LF	LF	SF	SF	SF	SF
BASE BID	124+69 TO 213+00	5000	8230	1283	16680	686	7937	1640	208	17818	516	0	0	0	118	0	44
1.1	213+00 TO 233+00	1335	2197	289	2275	311	680	0	2608	4011	310	0	640	288	118	0	22
1.2	242+00 TO 252+00	540	889	144	2000	200	1000	0	0	2000	0	0	0	0	0	0	0
1.3	252+00 TO 262+00	542	892	146	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.4	262+00 TO 272+00	542	892	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
1.5	272+00 TO 282+00	540	889	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.6	282+00 TO 292+00	542	892	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
1.7	292+00 TO 302+00	540	889	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.8	302+00 TO 312+00	540	889	144	2000	0	1000	0	0	2000	0	0	0	0	0	0	0
1.9	321+00 TO 332+00	544	896	147	1970	0	1000	0	0	2000	0	0	0	0	0	35	0
1.10	332+00 TO 331+39	536	882	143	1970	211	640	305	100	1980	50	0	0	0	0	0	0
PROJECT AREA 1 SUB TOTAL		11201	18437	2876	36865	1408	17257	1945	2916	39809	876	0	640	288	236	35	66
2.1	1212+00 TO 1197+00	1211	1993	217	2075	788	0	0	3320	3205	825	526	455	0	0	0	22
2.2	1197+00 TO 1187+00	633	1042	152	1055	126	36	181	1016	2036	150	1052	0	0	0	0	22
2.3	1187+00 TO 1177+00	557	918	156	1850	0	1000	0	0	2000	0	0	0	0	0	35	0
2.4	1177+00 TO 1167+00	542	892	146	1985	0	1000	0	0	2000	0	0	0	0	0	0	0
2.5	1167+00 TO 1157+00	547	900	149	1970	0	1000	0	0	2000	0	0	0	0	0	0	0
2.6	1157+00 TO 1145+00	943	1552	181	1195	52	205	0	1440	2441	0	956	0	324	0	0	22
2.7	1145+00 TO 1135+00	551	907	152	1850	0	1000	0	0	2000	0	0	0	0	0	0	0
2.8	1135+00 TO 1125+00	601	989	150	1510	0	675	558	110	2050	340	0	0	0	0	0	44
2.9	1125+00 TO 1115+00	547	900	149	1910	0	669	135	0	2000	0	0	0	0	0	0	0
2.10	1115+00 TO 1105+00	570	938	146	1850	0	545	410	46	2040	126	0	0	0	0	0	22
2.11	1105+00 TO 1098+30	405	667	101	1065	191	309	410	330	1368	204	0	0	0	0	0	22
POJECT AREA 2 SUB TOTAL		7107	11698	1699	18315	1157	6439	1694	6262	23140	1645	2534	455	324	0	35	154
GRAND TOTAL		18308	30135	4575	55180	2565	23696	3639	9178	62949	2521	2534	1095	612	236	70	220

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No.	REVISION:	BY:	DATE:

TEHAMA COUNTY PUBLIC WORKS
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Gerber, Ca 96035
(530) 385-1462

HORIZ:	--	DRAWN BY:	NDC
VERT:	--	DATE:	7/24/2012
SCALE		CHECKED BY:	RO & SF
		DATE:	7/24/2012

99W OVERLAY PROJECT
QUANTITIES SHEET

PROJECT NO.: 270893

SHEET NO.	PAGE NO.
Q-1	14/14