COUNTY OF TEHAMA

DEPARTMENT OF PUBLIC WORKS

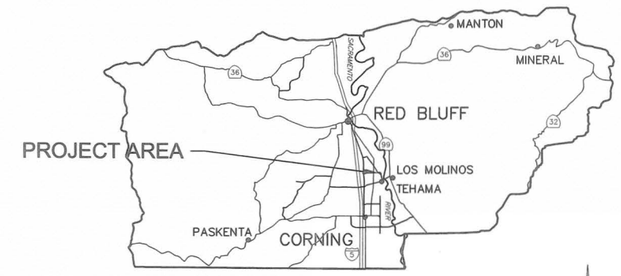
CONSTRUCTION PLANS FOR

SAN BENITO AVENUE CURVE REALIGNMENT

FEDERAL AID HIGH RISK RURAL ROAD PROJECT

FEDERAL AID PROJECT #: HRRRL 5908(074)
COUNTY PROJECT #: 236681

TEHAMA COUNTY



VICINITY MAP

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
X-1	SECTIONS AND DETAILS
D-1	EXISTING/DEMO PLAN
EC-1	SEDIMENT/EROSION CONTROL PLAN
P-1 TO P-4	PLAN AND PROFILE
CS-1 TO CS-3	CROSS SECTIONS
UP-1	UTILITY PLAN
PD-1	SIGN/PAVING DELINEATION PLAN
TC-1	TEMPORARY TRAFFIC CONTROL PLAN
Q-1	QUANTITY SHEET

ABBREVIATIONS

GENERAL

AB	AGGREGATE BASE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
D/W	DRIVEWAY
DBH	DIAMETER AT BREAST HEIGHT
DIA	DIAMETER
EG	EXISTING GRADE
ELEV	ELEVATION
EXIST	EXISTING
EP	EDGE OF PAVEMENT
ETW	EDGE TRAVELED WAY
FG	FINISH GRADE
FL	FLOWLINE
GB	GRADE BREAK
HMA	HOT MIX ASPHALT
INV	INVERT
NTS	NOT TO SCALE
OG	ORIGINAL GROUND
OH	OVERHEAD UTILITY LINE
R/W	RIGHT OF WAY
SHO	SHOULDER
STA	STATION
TYP	TYPICAL
UG	UNDERGROUND
UP	UTILITY POLE

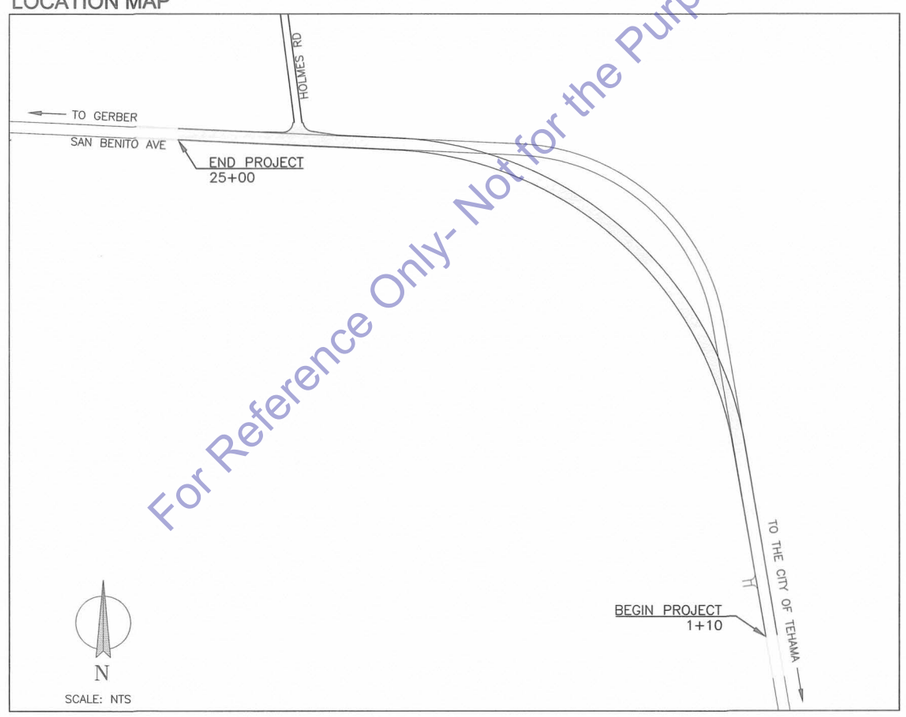
ALIGNMENT

BOA	BEGIN OF ALIGNMENT
BC	BEGIN OF CURVATURE
EC	END OF TANGENCY
EOA	END OF ALIGNMENT

SUPERELEVATION

BFS	BEGIN FULL SUPER
BNC	BEGIN NORMAL CROWN
BNS	BEGIN NORMAL SHOULDER
EFS	END FULL SUPER
ENC	END NORMAL CROWN
ENS	END NORMAL SHOULDER
LC	LEVEL CROWN
RC	REVERSE CROWN

LOCATION MAP



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DISTRICT 2	SANDRA BRUCE
DISTRICT 3	DENNIS GARTON
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BOARD OF SUPERVISORS TEHAMA COUNTY, CA

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2-18-14

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DIRECTOR OF PUBLIC WORKS

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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER KEVIN S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

SCALE
HORIZ: N/A
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DATE: 11/15/2013

SAN BENITO AVE.
CURVE REALIGNMENT
TITLE SHEET

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
T-1	01/15

SanBenitoCurveV3-2.dwg

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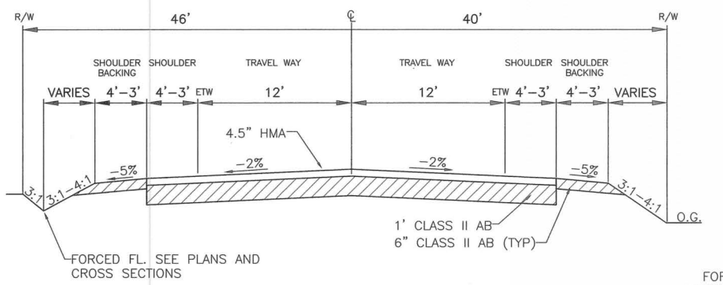
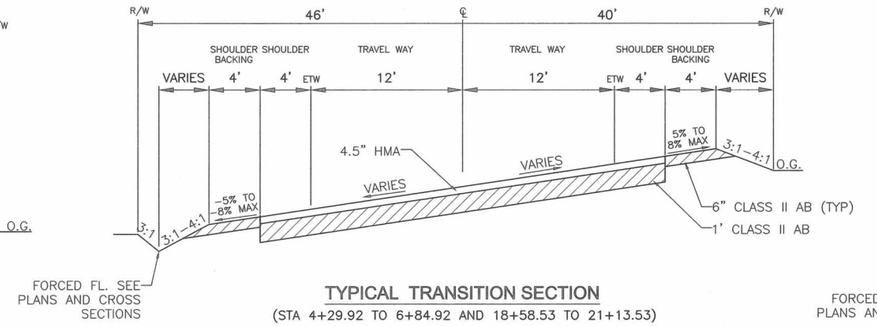


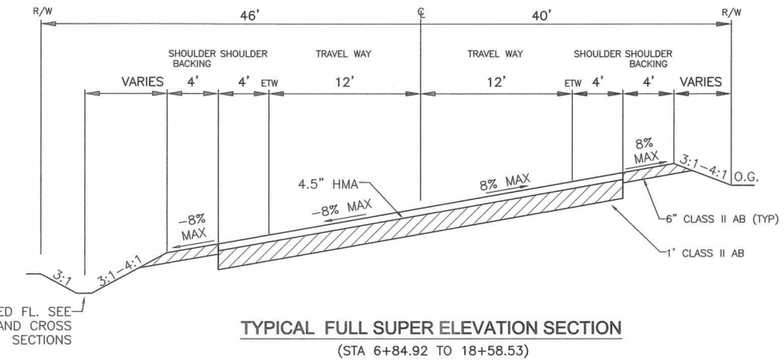
TYPICAL SECTION

(STA 1+10 TO 4+29.92 AND 21+13.53 TO 25+00)



TYPICAL TRANSITION SECTION

(STA 4+29.92 TO 6+84.92 AND 18+58.53 TO 21+13.53)

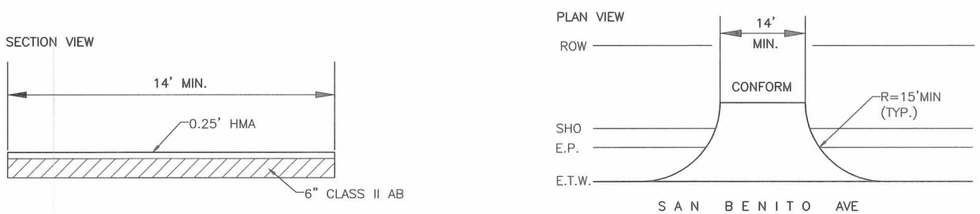


TYPICAL FULL SUPER ELEVATION SECTION

(STA 6+84.92 TO 18+58.53)

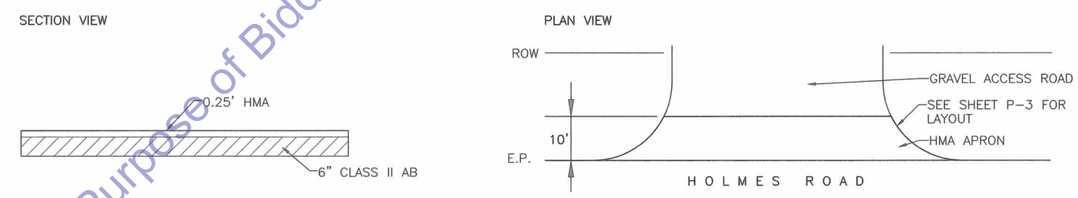
ROADWAY SECTIONS

NOT TO SCALE



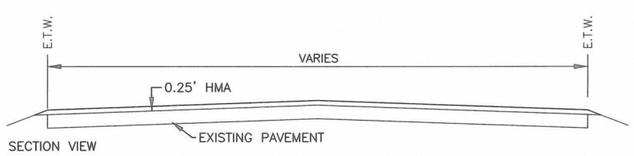
DRIVEWAY CONNECTION AT STA 2+58

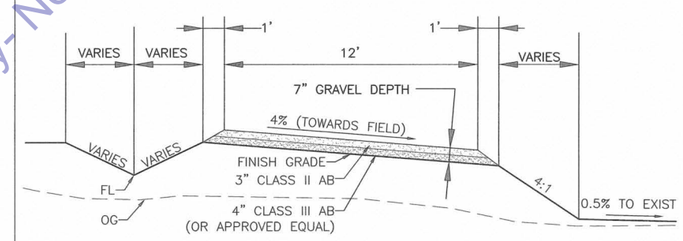
NOT TO SCALE



DRIVEWAY APRON AT GRAVEL ACCESS ROAD ENTRY

NOT TO SCALE

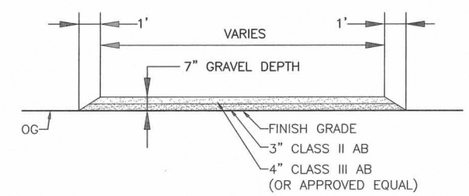




TYPICAL

(SEE SHEET P-3,4)

NOTE:
IN AREAS WHERE AB IS TO BE PLACED ON OG, SCARIFY AND COMPACT (95% RELATIVE COMPACTION) TO A DEPTH OF 12" PRIOR TO PLACEMENT.

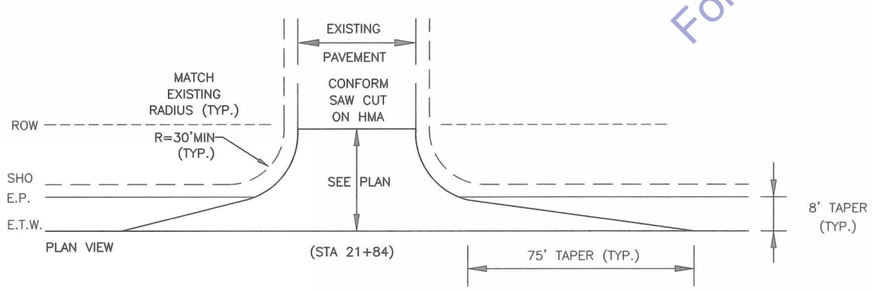


NON-TYPICAL

(SEE SHEET P-4)

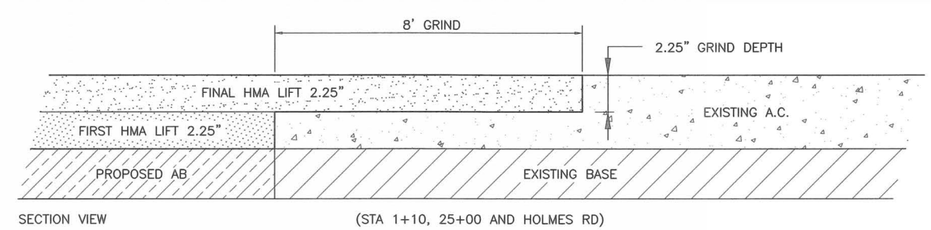
PROPOSED GRAVEL ACCESS ROAD SECTIONS

NOT TO SCALE



CONNECTION AT HOLMES ROAD

NOT TO SCALE



CONFORM GRIND

NOT TO SCALE

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No.	REVISION:	BY:	DATE:
1	INCREASED DEPTH OF GRAVEL ACCESS ROAD	NDC	11/25/2013

REGISTERED PROFESSIONAL ENGINEER KEVIN S ROSSER C 78369 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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VERT:	NTS	DATE:	9/25/2013
SCALE		CHECKED BY:	KR & SF
		DATE:	11/15/2013

SAN BENITO AVE. CURVE REALIGNMENT SECTIONS AND DETAILS

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
X-1	02/15

SanBenitoCurveV3-3.dwg

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AGRICULTURE

PROPOSED GRAVEL ROAD CONNECTION

HOLMES RD

MANHOLE TO REMAIN UNDISTURBED

UTILITY VAULT TO REMAIN UNDISTURBED

END PROJECT 25+00

OAK TREES TO BE RETAINED AND PROTECTED

15" CMP TO REMAIN UNDISTURBED

UTILITY POLE TO REMAIN UNDISTURBED

DRAINAGE SWALE TO REMAIN UNDISTURBED. CONFORM AT NEW ALIGNMENT. SEE SHEETS P-1 THROUGH P-4

UTILITY POLE TO BE RELOCATED (BY OTHERS)

TRAFFIC SIGN TO BE REMOVED AND SALVAGED

PROPOSED REALIGNMENT

LIMIT OF CONSTRUCTION

UTILITY BOX TO BE RELOCATED (BY OTHERS)

PROPOSED GRAVEL ROAD EXTENSION

EXISTING GRAVEL ACCESS ROAD CONNECTION TO BE RELOCATED AT HOLMES RD

30" CMP TO BE REMOVED

UTILITY POLE TO REMAIN UNDISTURBED

EXISTING GRAVEL ACCESS ROAD TO REMAIN AND CONFORM WITH PROPOSED

30" CMP TO REMAIN UNDISTURBED

EXISTING ROADWAY AND BASE MATERIAL TO BE REMOVED AND SALVAGED

EXISTING R/W

PROPOSED R/W

UTILITY POLE TO REMAIN UNDISTURBED

AGRICULTURE

AGRICULTURE

AGRICULTURE

UTILITY POLE TO REMAIN UNDISTURBED

SAN BENITO AVE

TRAFFIC SIGN TO BE REMOVED AND SALVAGED

UTILITY POLE TO REMAIN UNDISTURBED

15" CMP TO REMAIN UNDISTURBED

PRIVATE DRIVEWAY APRON TO BE RESURFACED

BEGIN PROJECT 1+10

LINE AND SYMBOLS LEGEND

- UTILITY POLE
- SURFACE DRAINAGE
- LIMIT OF CONSTRUCTION
- CORRUGATED METAL PIPE (TO REMAIN UNDISTURBED)
- CORRUGATED METAL PIPE (TO BE REMOVED)
- FLOW LINE
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- EXISTING CONTOUR
- DEMO AREA

CONTROL PLAN

NOT TO SCALE

HOLMES RD

CONTROL POINT 2
N:1898126.828
E:6523510.961

CONTROL POINT 1
N:1898142.063
E:6521842.097

CONTROL POINT 3
N:1898028.814
E:6524352.155

SAN BENITO AVE

N

CALL UTILITY NOTIFICATION CENTER OF CALIFORNIA

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Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ATTENTION: UNDERGROUND UTILITIES NOT SHOWN ON PLAN. REFER TO SHEET UP-1 "UTILITIES PLAN" FOR MORE INFORMATION

80 0 80 160

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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER KEVIN S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

SCALE	
HORIZ:	1:80
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DRAWN BY:	NDC
DATE:	9/25/2013
CHECKED BY:	
DATE:	

SAN BENITO AVE. CURVE REALIGNMENT EXISTING/DEMO PLAN

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
D-1	03/15

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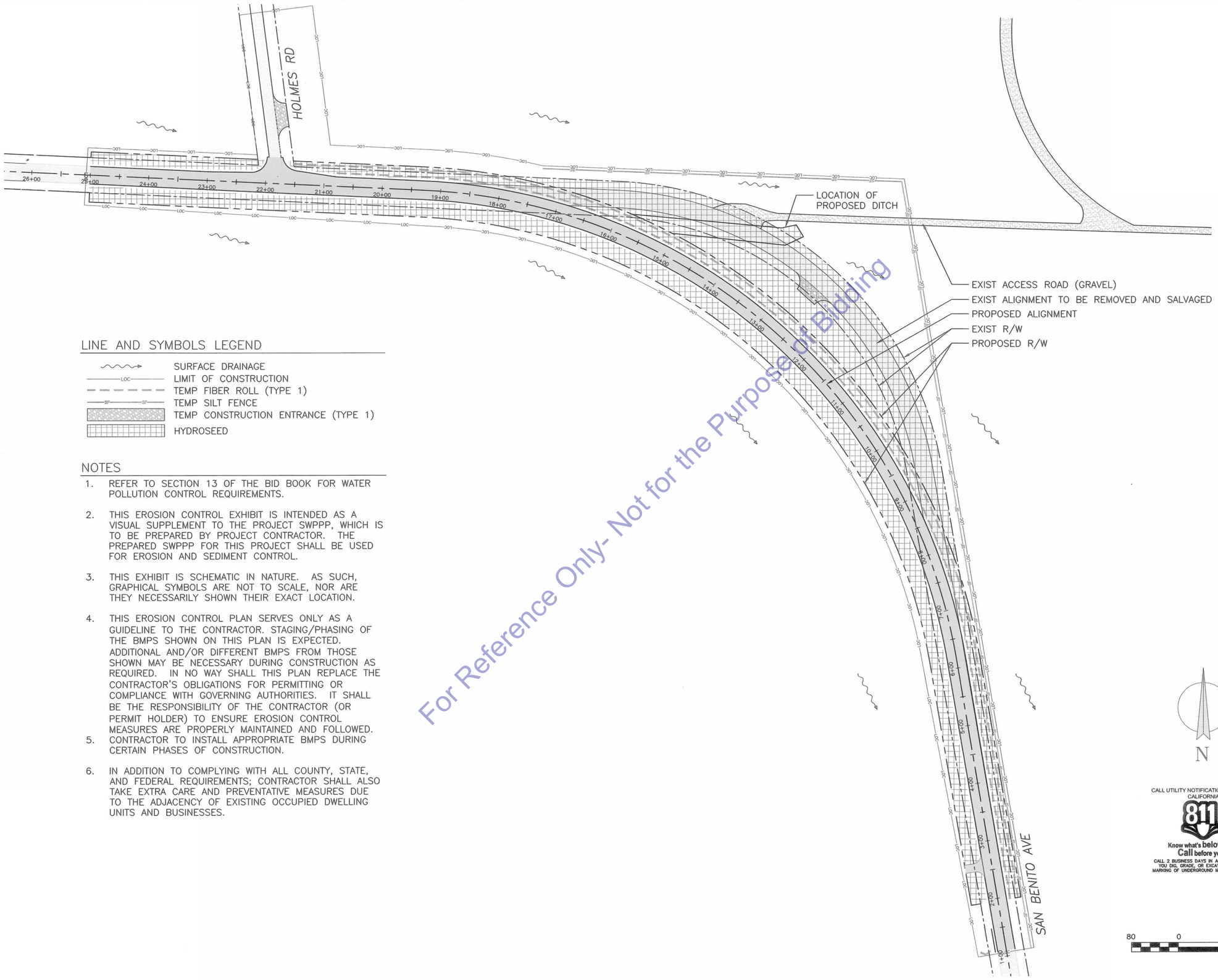

LINE AND SYMBOLS LEGEND

- SURFACE DRAINAGE
- LIMIT OF CONSTRUCTION
- TEMP FIBER ROLL (TYPE 1)
- TEMP SILT FENCE
- TEMP CONSTRUCTION ENTRANCE (TYPE 1)
- HYDROSEED

NOTES

1. REFER TO SECTION 13 OF THE BID BOOK FOR WATER POLLUTION CONTROL REQUIREMENTS.
2. THIS EROSION CONTROL EXHIBIT IS INTENDED AS A VISUAL SUPPLEMENT TO THE PROJECT SWPPP, WHICH IS TO BE PREPARED BY PROJECT CONTRACTOR. THE PREPARED SWPPP FOR THIS PROJECT SHALL BE USED FOR EROSION AND SEDIMENT CONTROL.
3. THIS EXHIBIT IS SCHEMATIC IN NATURE. AS SUCH, GRAPHICAL SYMBOLS ARE NOT TO SCALE, NOR ARE THEY NECESSARILY SHOWN THEIR EXACT LOCATION.
4. THIS EROSION CONTROL PLAN SERVES ONLY AS A GUIDELINE TO THE CONTRACTOR. STAGING/PHASING OF THE BMPS SHOWN ON THIS PLAN IS EXPECTED. ADDITIONAL AND/OR DIFFERENT BMPS FROM THOSE SHOWN MAY BE NECESSARY DURING CONSTRUCTION AS REQUIRED. IN NO WAY SHALL THIS PLAN REPLACE THE CONTRACTOR'S OBLIGATIONS FOR PERMITTING OR COMPLIANCE WITH GOVERNING AUTHORITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR (OR PERMIT HOLDER) TO ENSURE EROSION CONTROL MEASURES ARE PROPERLY MAINTAINED AND FOLLOWED.
5. CONTRACTOR TO INSTALL APPROPRIATE BMPS DURING CERTAIN PHASES OF CONSTRUCTION.
6. IN ADDITION TO COMPLYING WITH ALL COUNTY, STATE, AND FEDERAL REQUIREMENTS; CONTRACTOR SHALL ALSO TAKE EXTRA CARE AND PREVENTATIVE MEASURES DUE TO THE ADJACENCY OF EXISTING OCCUPIED DWELLING UNITS AND BUSINESSES.

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Know what's below.
Call before you dig.
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. ROOSER
C 78389
CIVIL
STATE OF CALIFORNIA

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9380 San Benito Ave.
Gerber, Ca. 96035
(530) 385-1462

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DATE:	

SAN BENITO AVE. CURVE REALIGNMENT SEDIMENT / EROSION CONTROL PLAN

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
EC-1	04/15

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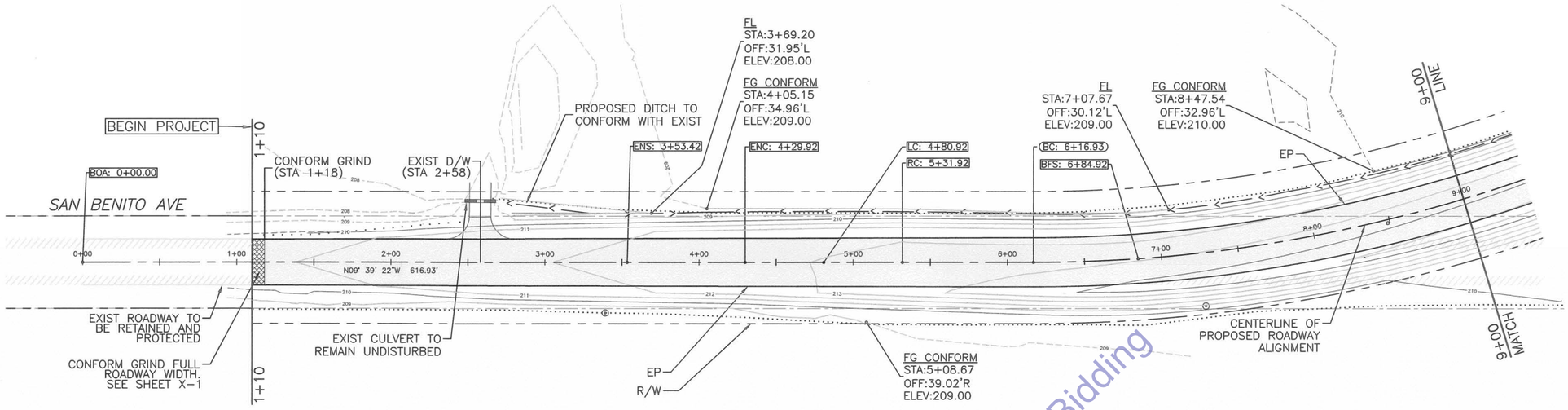

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ATTENTION: UTILITIES NOT SHOWN ON PLAN. REFER TO SHEET UP-1 "UTILITIES PLAN" FOR IMPORTANT INFORMATION

ALIGNMENT DATA

DESCRIPTION	ABBV.	STATION	COORDINATES
BEGIN OF ALIGNMENT	BOA	0+00	N:1896676.117, E:6524770.168
BEGIN OF CURVE	BC	6+16.93	N:1897284.303, E:6524666.689
END OF CURVE	EC	19+26.52	N:1898086.456, E:6523758.935
END OF ALIGNMENT	EOA	25+00	N:1898112.351, E:6523186.043

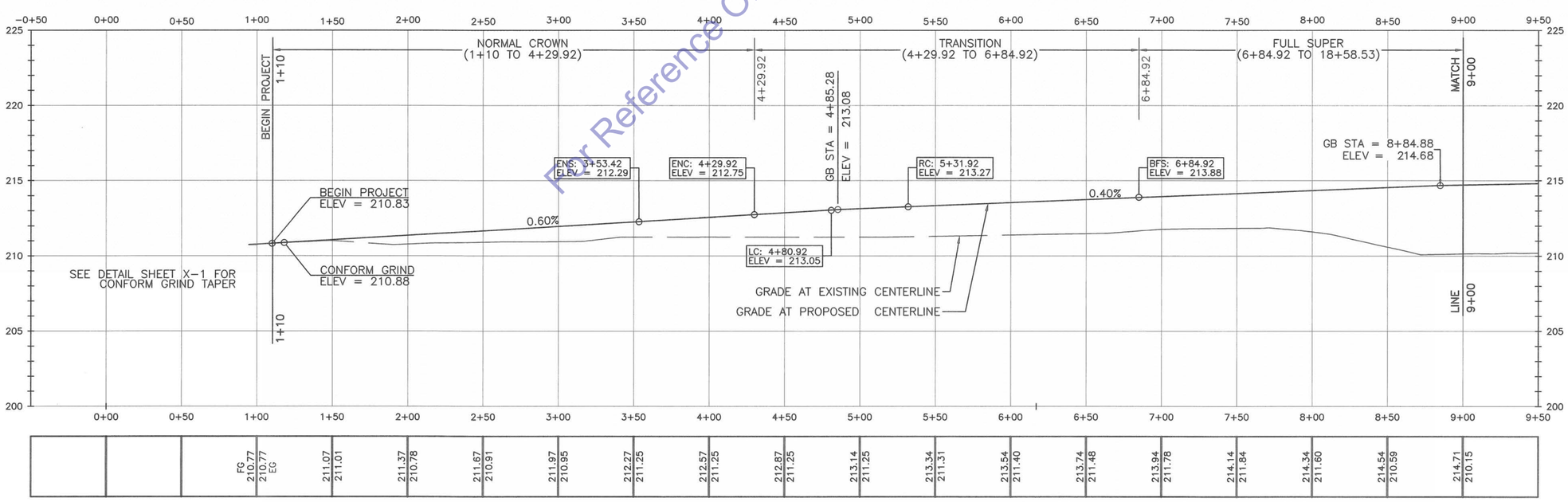
NOTE: SEE SHEET D-1 FOR CONTROL POINTS

N

40 0 40 80

LINE AND SYMBOLS LEGEND

- UTILITY POLE
- EXISTING CORRUGATED METAL PIPE
- GRADE CATCH LINE
- FLOW LINE
- EDGE OF EXISTING ROADWAY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONTOUR
- EXISTING CONTOUR
- RC: 0+00.00 — SUPERELEVATION LABEL
- PT: 0+00.00 — ALIGNMENT LABEL
- PROPOSED GRAVEL ACCESS ROAD
- 0+00 — PROPOSED REALIGNMENT



No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER KEITH S. ROSSER C 78389 STATE OF CALIFORNIA CIVIL

TEHAMA COUNTY PUBLIC WORKS

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(530) 385-1462

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SAN BENITO AVE. CURVE REALIGNMENT PLAN AND PROFILE

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
P-1	05/15

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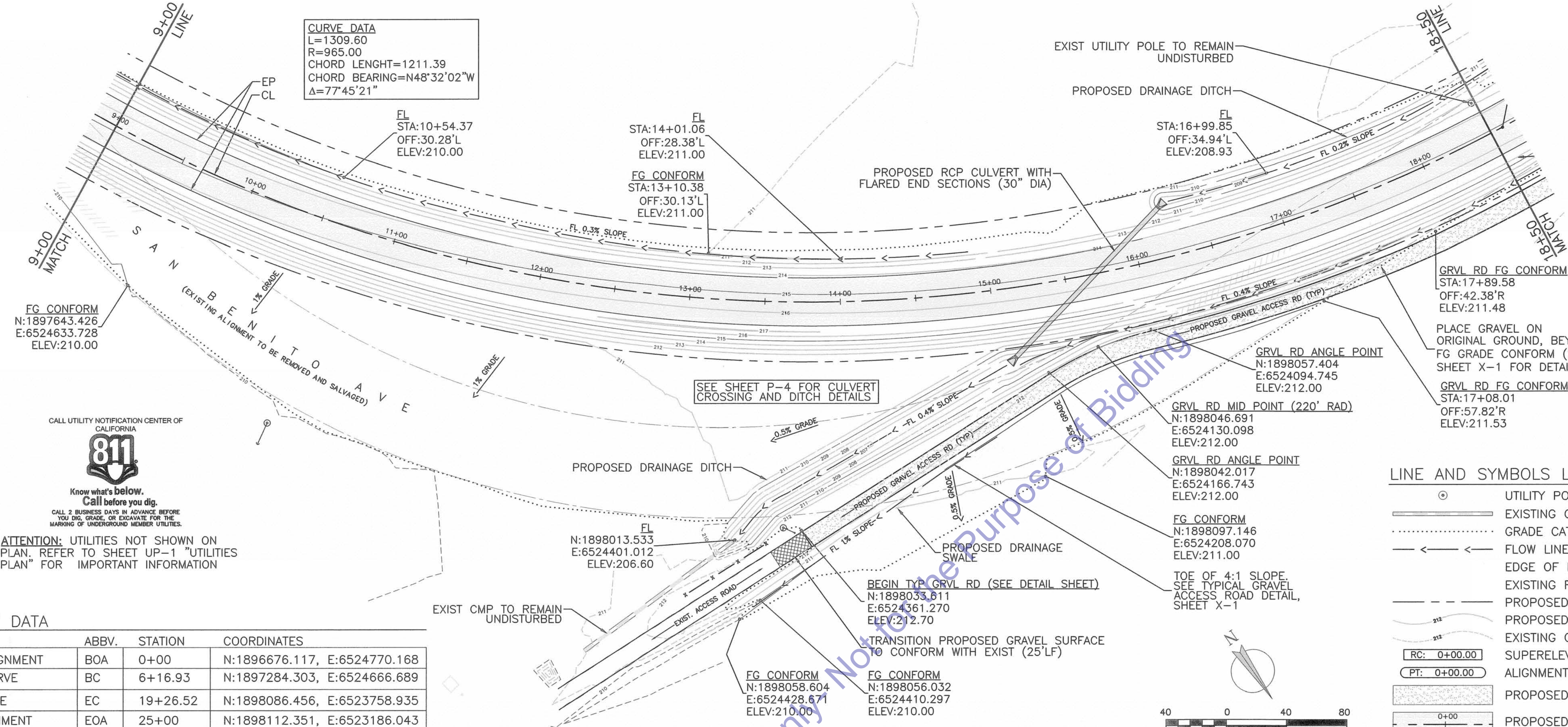
R=965.00
CHORD LENGHT=1211.39
CHORD BEARING=N48°32'02"W
Δ=77°45'21"



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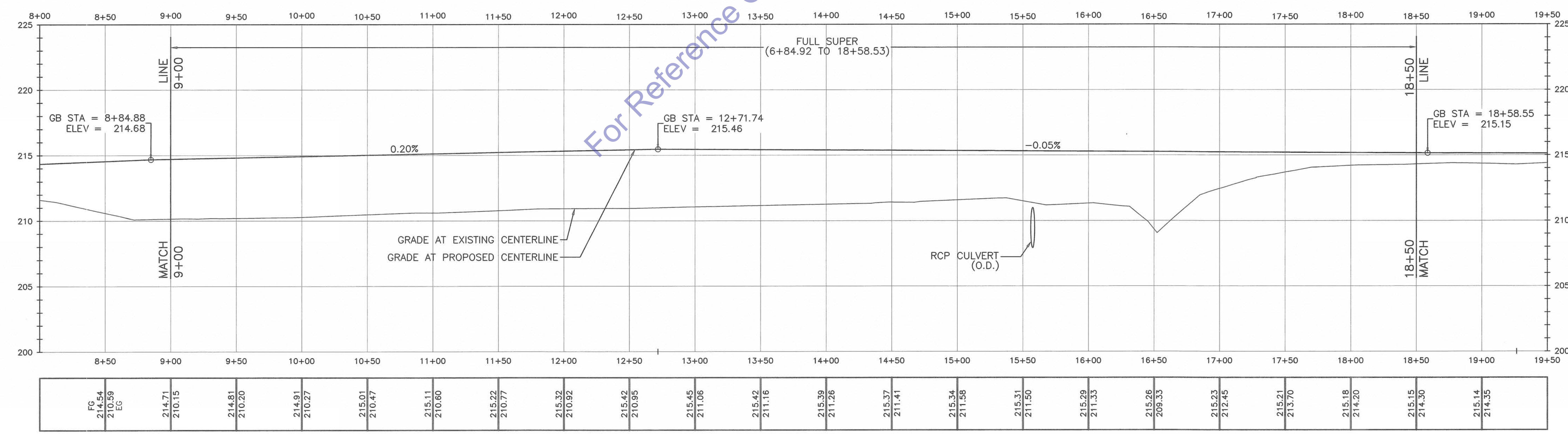
END OF ALIGNMENT	EOA	25+00	N:1898112.351, E:6523186.043

NOTE: SEE SHEET D-1 FOR CONTROL POINTS

LINE AND SYMBOLS LEGEND

- UTILITY POLE
- EXISTING CORRUGATED METAL PIPE
- GRADE CATCH LINE
- FLOW LINE
- EDGE OF EXISTING ROADWAY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONTOUR
- EXISTING CONTOUR
- RC: 0+00.00 SUPERELEVATION LABEL
- PT: 0+00.00 ALIGNMENT LABEL
- PROPOSED GRAVEL ACCESS ROAD
- 0+00 PROPOSED REALIGNMENT



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REGISTERED PROFESSIONAL ENGINEER KEVIN S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

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Gerber, Ca 96035
(530) 385-1462

COUNTY OF TEHAMA

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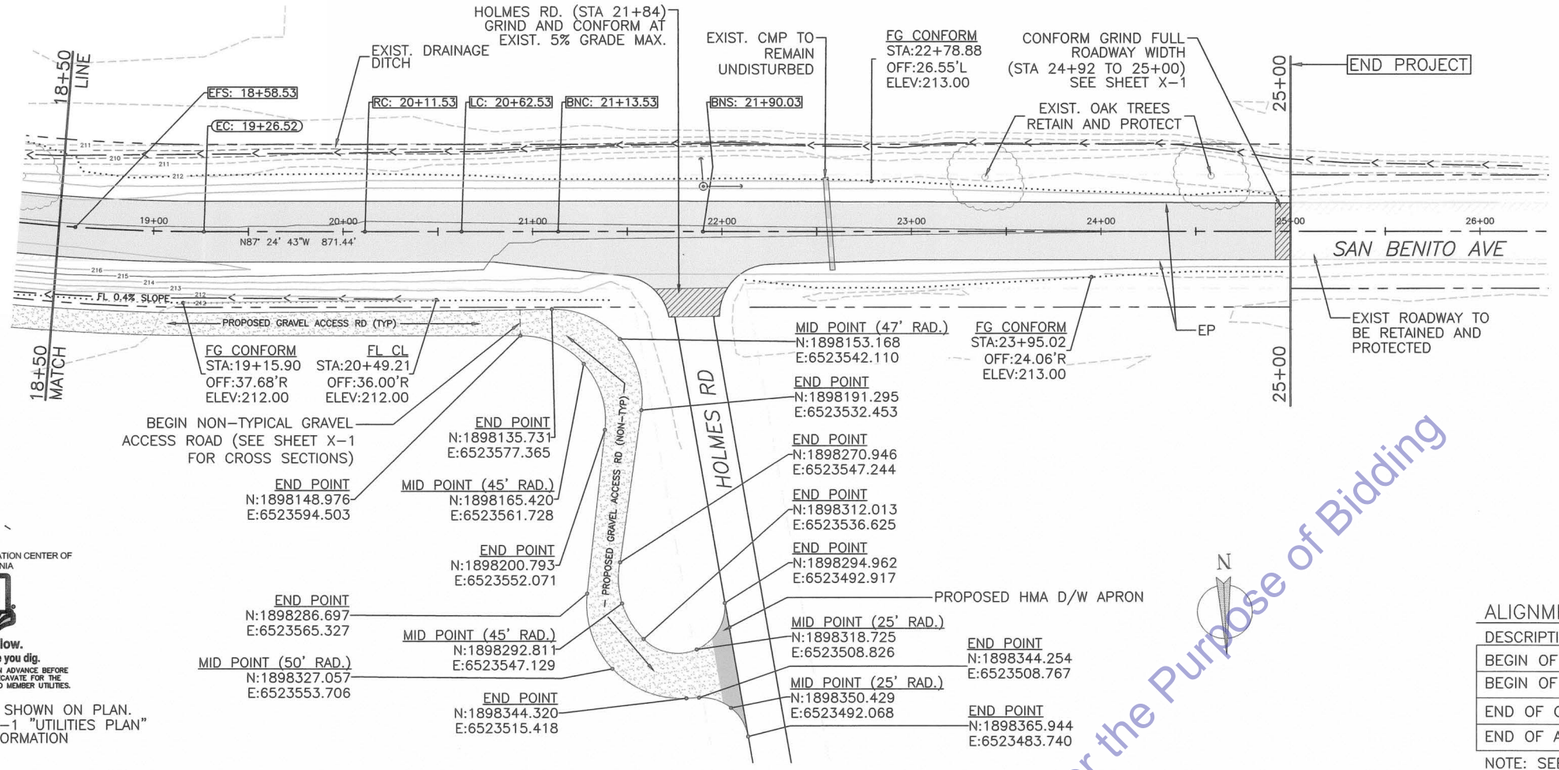
CHECKED BY:	KR & SF
DATE:	11/15/2013

SAN BENITO AVE. CURVE REALIGNMENT PLAN AND PROFILE

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
P-2	06/15



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NOTE: UTILITIES NOT SHOWN ON PLAN. REFER TO SHEET UP-1 "UTILITIES PLAN" FOR IMPORTANT INFORMATION

LINE AND SYMBOLS LEGEND

- UTILITY POLE
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- FLOW LINE
- EDGE OF EXISTING ROADWAY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONTOUR
- EXISTING CONTOUR
- RC: 0+00.00 — SUPERELEVATION LABEL
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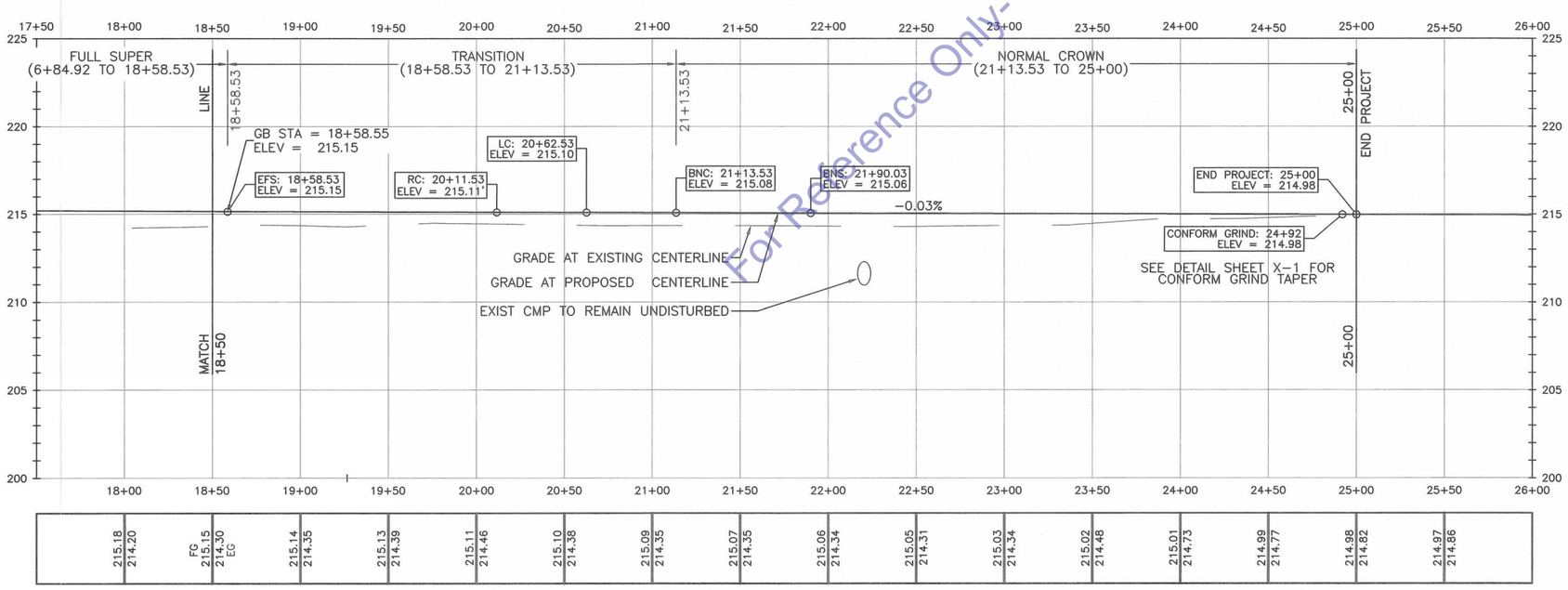
NOTE: SEE SHEET D-1 FOR CONTROL POINTS



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(530) 385-1462

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SAN BENITO AVE. CURVE REALIGNMENT PLAN AND PROFILE

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
P-3	07/15

SanBenitoCurveV3_2.dwg

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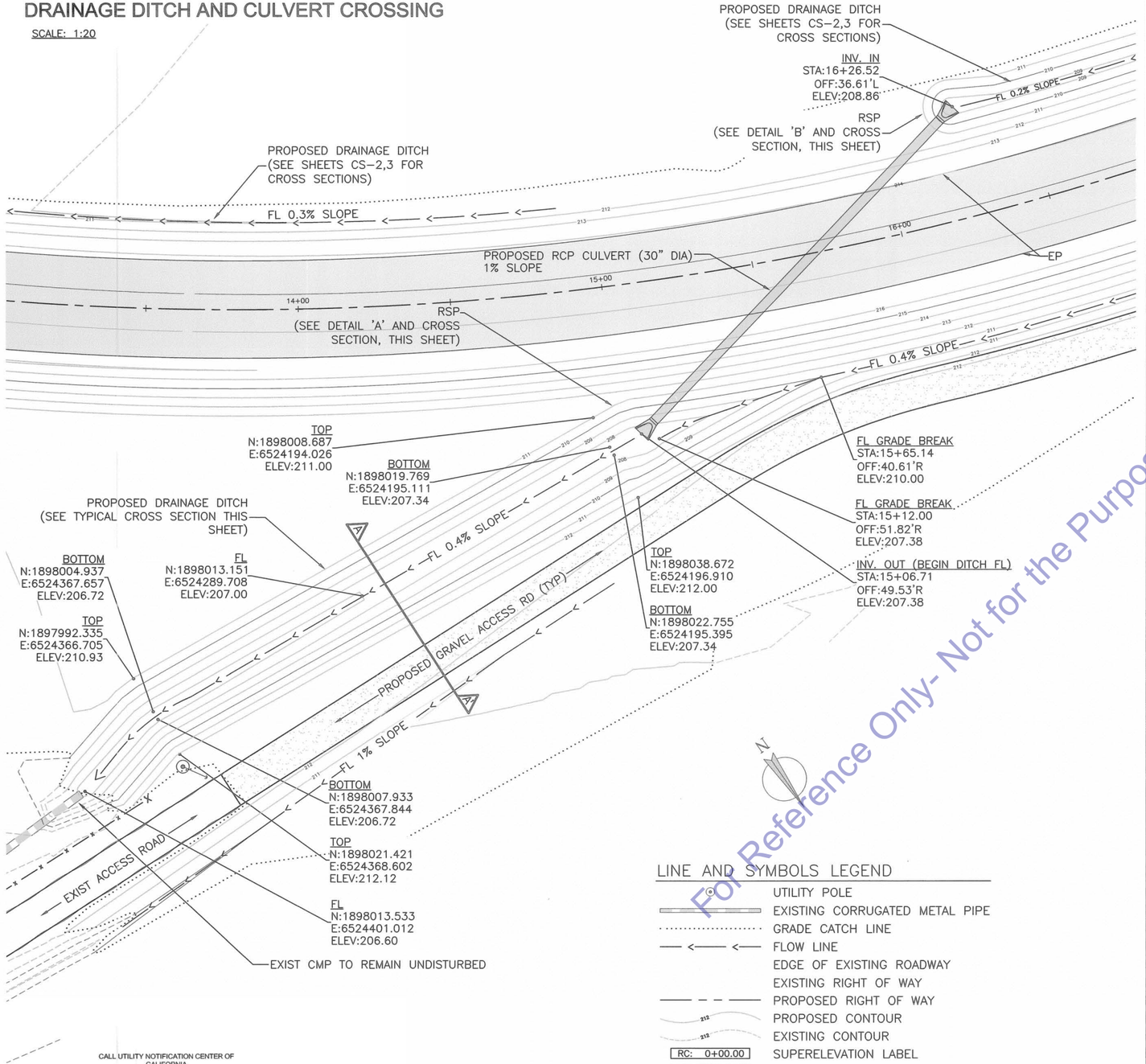
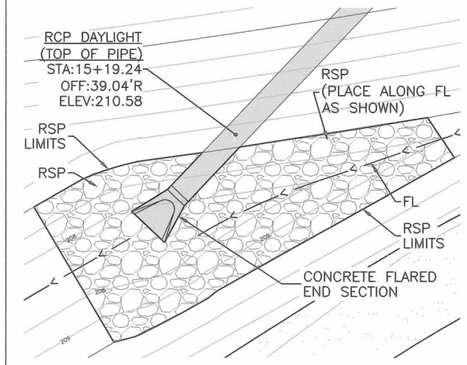
DRAINAGE DITCH AND CULVERT CROSSING

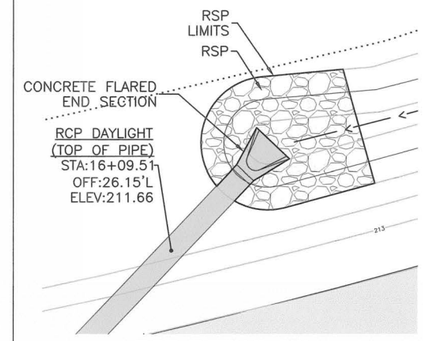
SCALE: 1:20





RSP DETAIL 'A'

SCALE: 1:10



RSP DETAIL 'B'

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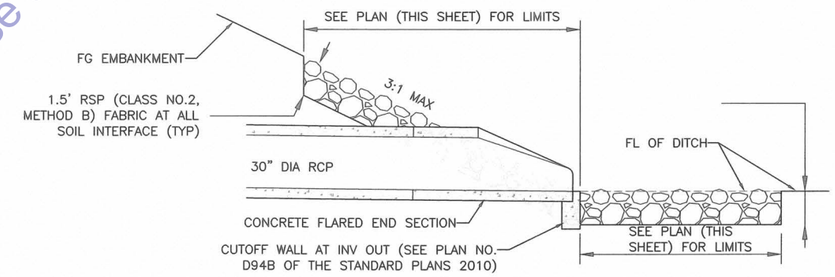
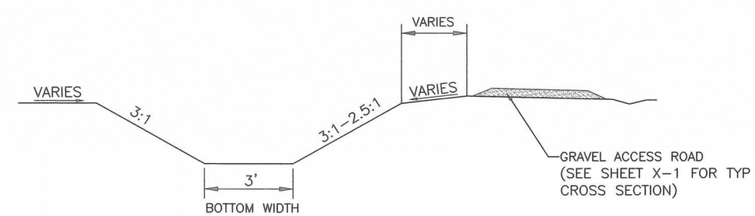


ROCK SLOPE PROTECTION SECTION

NOT TO SCALE

NOTE: COVER EXPOSED RCP WITH ROCK



TYPICAL DITCH SECTION

NOT TO SCALE

(SECTION A-A')

LINE AND SYMBOLS LEGEND

- UTILITY POLE
- EXISTING CORRUGATED METAL PIPE
- GRADE CATCH LINE
- FLOW LINE
- EDGE OF EXISTING ROADWAY
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED CONTOUR
- EXISTING CONTOUR
- RC: 0+00.00 — SUPERELEVATION LABEL
- PT: 0+00.00 — ALIGNMENT LABEL
- PROPOSED GRAVEL ACCESS ROAD
- 0+00 — PROPOSED REALIGNMENT

20 0 20 40

CALL UTILITY NOTIFICATION CENTER OF CALIFORNIA

811

Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

NOTE:
1)UTILITIES NOT SHOWN ON PLAN. REFER TO SHEET UP-1 "UTILITIES PLAN" FOR IMPORTANT INFORMATION
2)SEE SHEET D-1 FOR CONTROL POINTS

For Reference Only- Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER N. S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

SCALE	
HORIZ:	SEE PLAN
VERT:	SEE PLAN
DRAWN BY:	SRA & NDC
DATE:	9/25/2013
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DATE:	11/15/2013

SAN BENITO AVE. CURVE REALIGNMENT PLAN AND PROFILE

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
P-4	08/15

SanBenitoCurveV3_2.dwg

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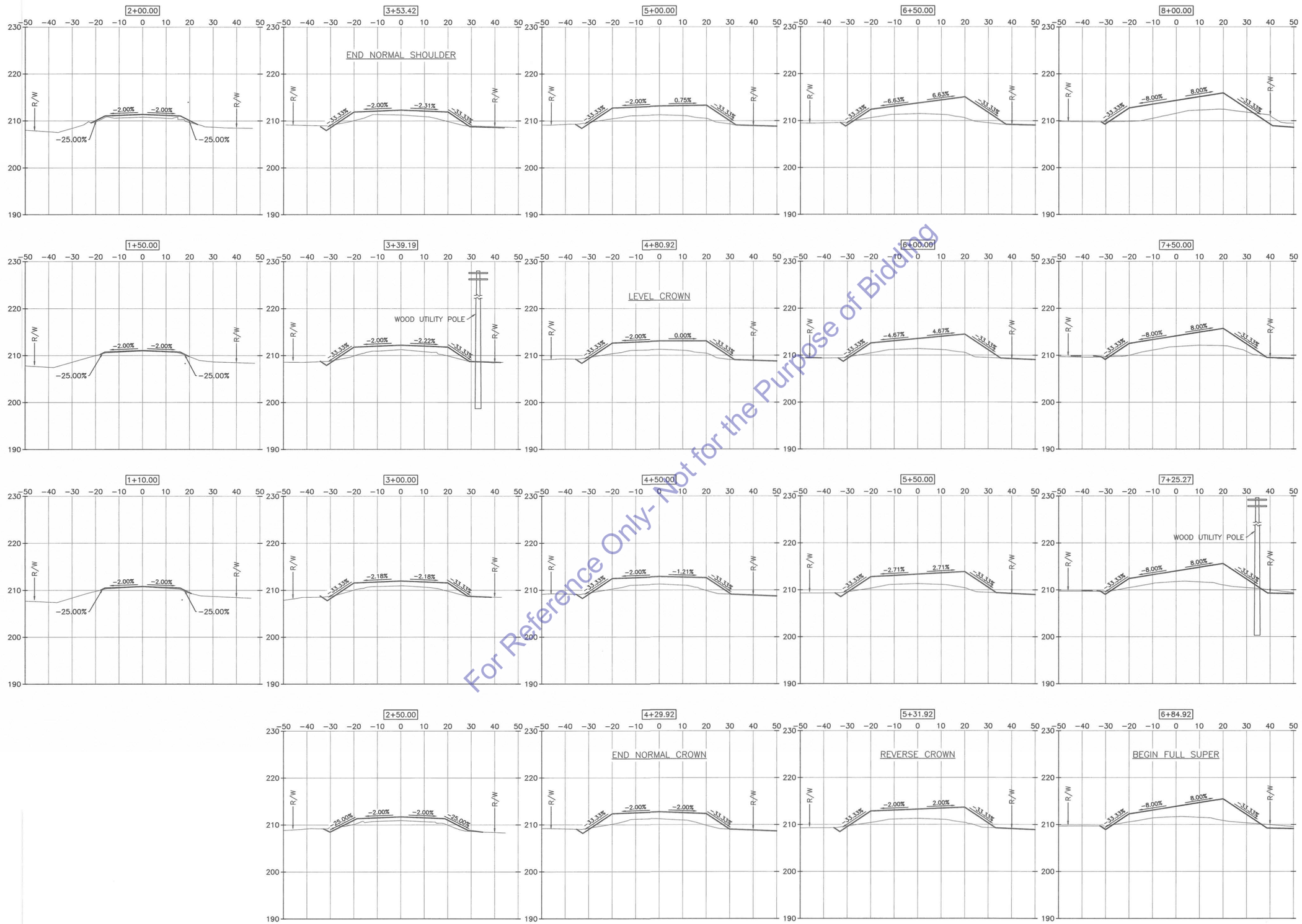

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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER
KEVIN S. ROSSER
C 78389
CIVIL
STATE OF CALIFORNIA

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

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SAN BENITO AVE. CURVE REALIGNMENT CROSS SECTION

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
CS-1	9 / 15

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REGISTERED PROFESSIONAL ENGINEER
NEIL S. ROSSER
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CIVIL
STATE OF CALIFORNIA

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

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SAN BENITO AVE. CURVE REALIGNMENT CROSS SECTION

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
CS-2	10/15

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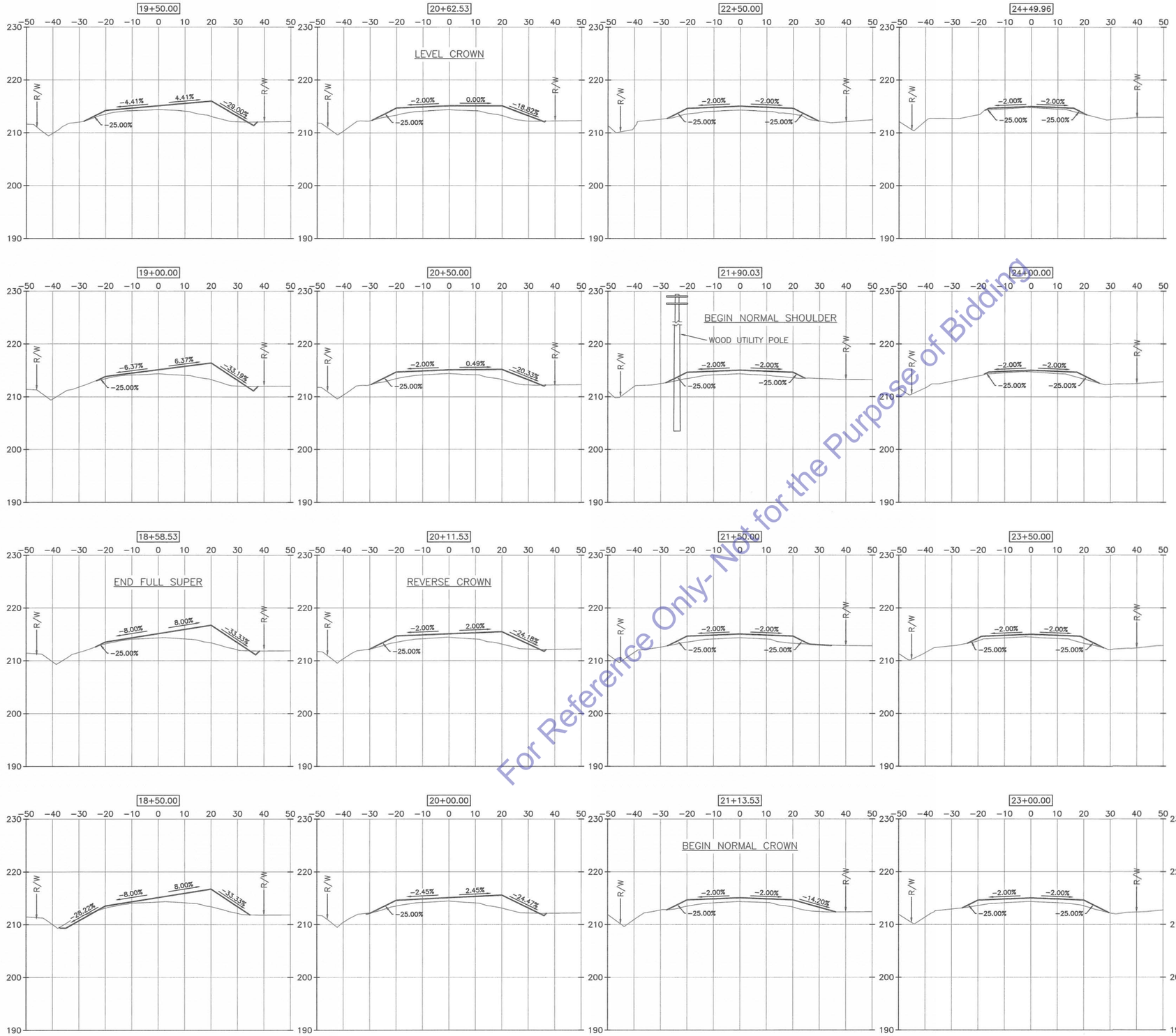

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REGISTERED PROFESSIONAL ENGINEER
KEVIN S. ROSSER
C 78389
CIVIL
STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

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SAN BENITO AVE. CURVE REALIGNMENT CROSS SECTIONS

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
CS-3	11/15

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CALL UTILITY NOTIFICATION CENTER OF CALIFORNIA

811

Know what's below. Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

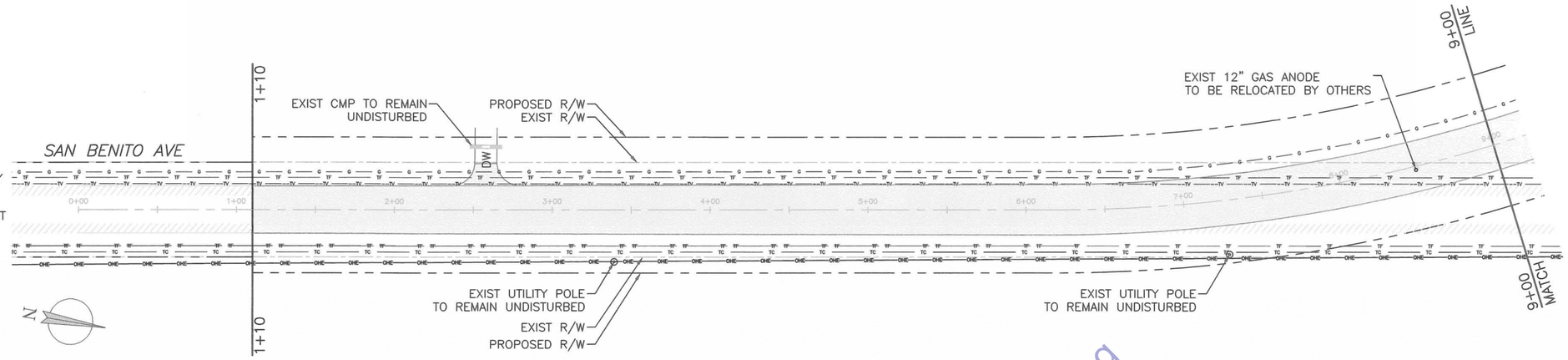
ATTENTION:

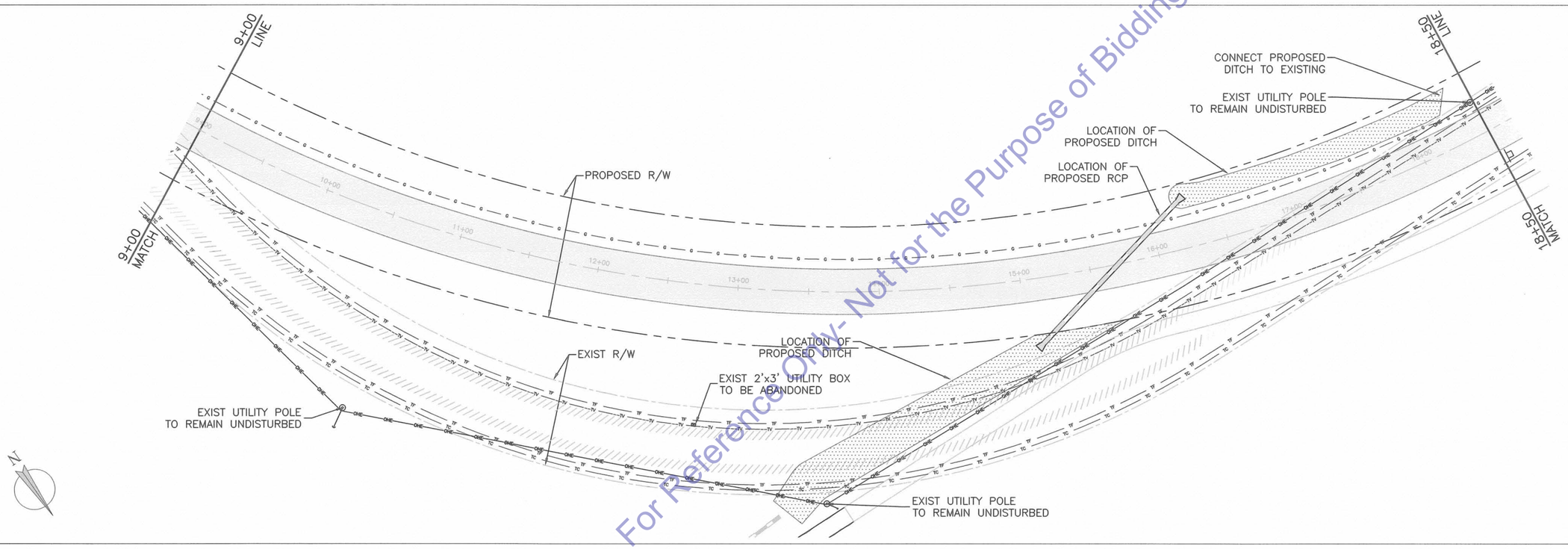
1) SOME UTILITIES WILL BE RELOCATED ALONG NEW ROADWAY ALIGNMENT BY OTHERS. EXACT LOCATIONS TO BE DETERMINED. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING EXACT LOCATIONS PRIOR TO ALL EARTH WORK.

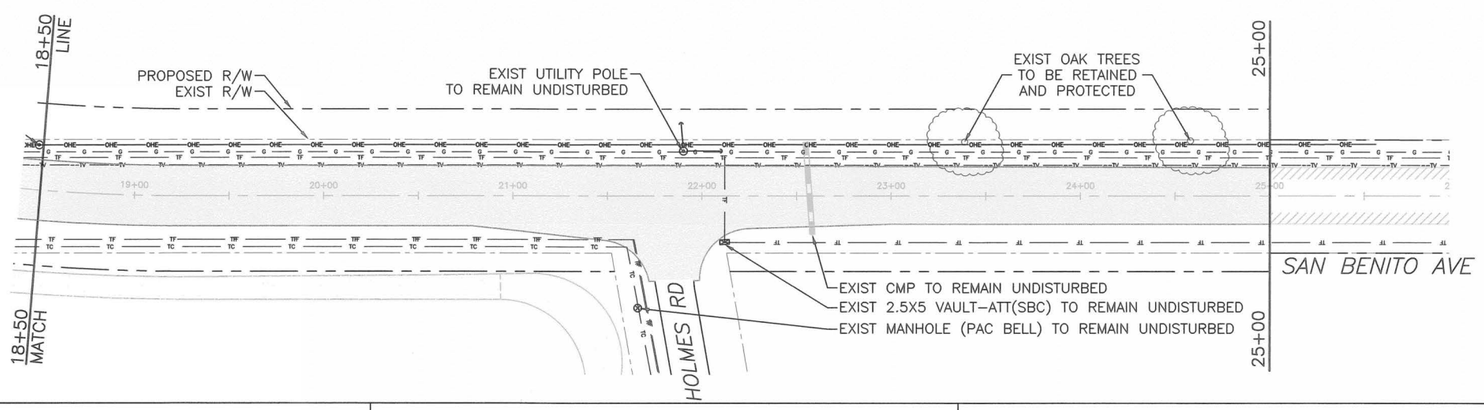
2) UTILITY LOCATIONS AS SHOWN ARE APPROXIMATE.

3) SEE SHEET D-1 FOR CONTROL POINTS

40 0 40 80







LINE AND SYMBOLS LEGEND

- UTILITY POLE (PG&E ONLY)
- UTILITY BOX
- MANHOLE
- GUY LINE
- OVERHEAD ELECTRICAL
- UNDERGROUND NATURAL GAS
- UNDERGROUND TELEPHONE FIBER
- UNDERGROUND TELEPHONE CABLE
- UNDERGROUND TV CABLE (ABANDON IN PLACE)
- EDGE OF EXISTING ROADWAY
- PROPOSED RIGHT OF WAY
- EXISTING RIGHT OF WAY
- PROPOSED GRAVEL ROAD
- 0+00 PROPOSED REALIGNMENT

For Reference Only - Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER NEIL S. ROSSER C 76389 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: 11/15/2013	

SAN BENITO AVE. CURVE REALIGNMENT UTILITY PLAN

PROJECT NO.: 236681	
SHEET NO.	PAGE NO.
UP-1	12/15

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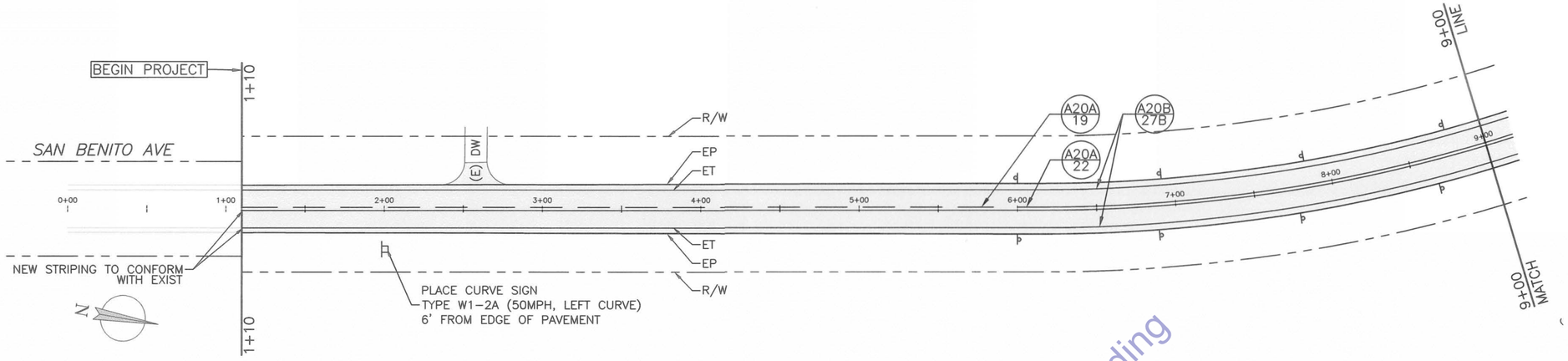

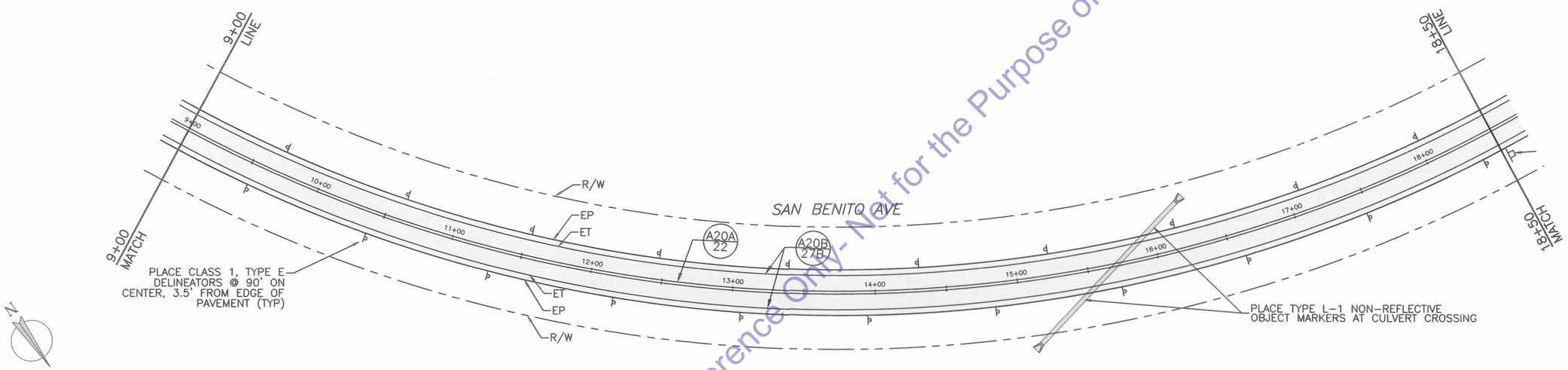

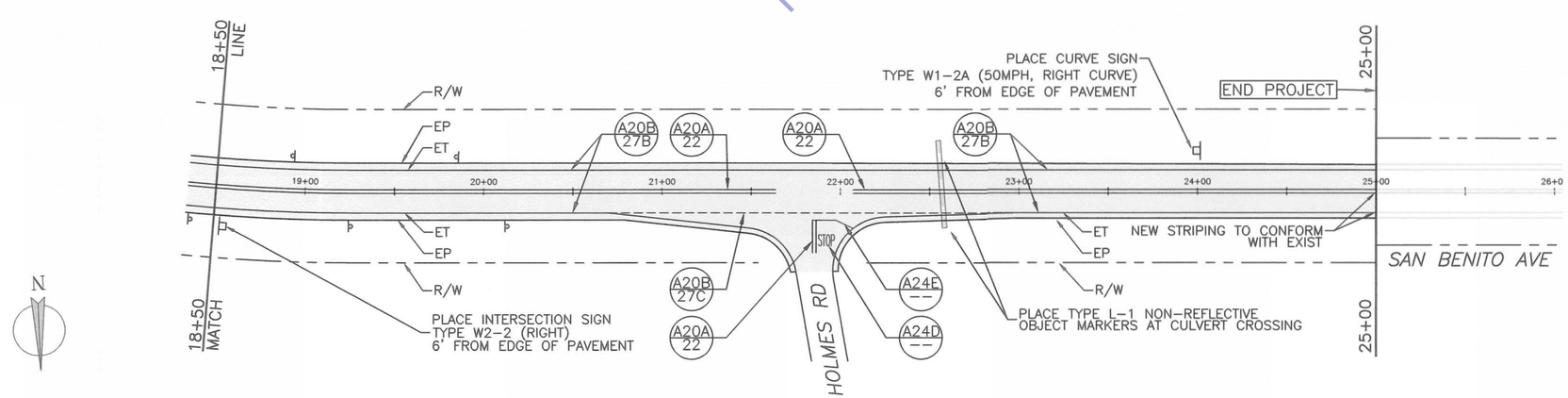

LEGEND (PER STATE OF CALIFORNIA STANDARD PLANS 2010)

- 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
- A24D — "STOP" PAVEMENT MARKING
- A24E — LIMIT LINE

NOTE: SEE SHEET D-1 FOR CONTROL POINTS

40 0 40 80

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER KEVIN S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
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(530) 385-1462

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SAN BENITO AVE.
CURVE REALIGNMENT
SIGNAGE AND PAVEMENT DELINEATION

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
PD-1	13/15

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SYMBOLS LEGEND

SYMBOLS	SIGN TYPE	DESCRIPTION	NOTES
①	R11-2	ROAD CLOSED	--
②	R11-39	ROAD CLOSED AHEAD LOCAL ACCESS ONLY	--
③	W20-3	ROAD CLOSED AHEAD	PLACE SIGNS 500' AND 1000' BEFORE ROAD CLOSURE SEE DETAIL 1
④	M4-10	DETOUR	SEE PLAN FOR DIRECTIONAL ARROWS
⑤	SC3(CA)	DETOUR	OR SC9(CA). PLACE EVERY 1,300' MAX
⑥	M4-8a	END DETOUR	--
PCMS	PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	TO BE USED DURING CONSTRUCTION
PCMS*	PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	TO BE USED IN ADVANCE OF CONSTRUCTION SEE ADDITIONAL NOTES BELOW

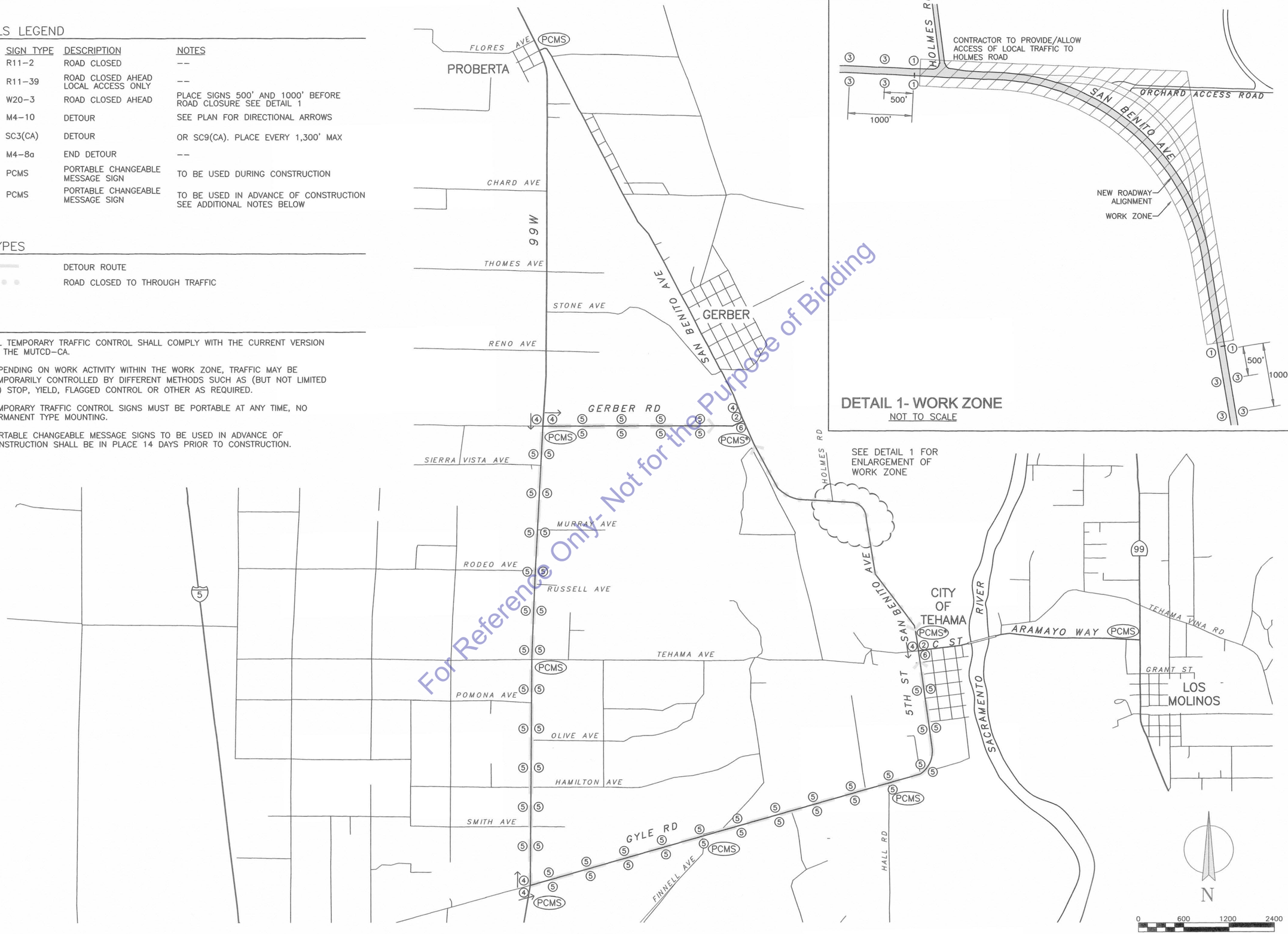
LINE TYPES

DETOUR ROUTE

ROAD CLOSED TO THROUGH TRAFFIC

NOTES

1) ALL TEMPORARY TRAFFIC CONTROL SHALL COMPLY WITH THE CURRENT VERSION OF THE MUTCD-CA.
2) DEPENDING ON WORK ACTIVITY WITHIN THE WORK ZONE, TRAFFIC MAY BE TEMPORARILY CONTROLLED BY DIFFERENT METHODS SUCH AS (BUT NOT LIMITED TO) STOP, YIELD, FLAGGED CONTROL OR OTHER AS REQUIRED.
3) TEMPORARY TRAFFIC CONTROL SIGNS MUST BE PORTABLE AT ANY TIME, NO PERMANENT TYPE MOUNTING.
4) PORTABLE CHANGEABLE MESSAGE SIGNS TO BE USED IN ADVANCE OF CONSTRUCTION SHALL BE IN PLACE 14 DAYS PRIOR TO CONSTRUCTION.



DETAIL 1- WORK ZONE
NOT TO SCALE

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REGISTERED PROFESSIONAL ENGINEER KEVIN S. ROSSER C 78389 CIVIL STATE OF CALIFORNIA

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SAN BENITO AVE. CURVE REALIGNMENT
TEMPORARY TRAFFIC CONTROL PLAN

PROJECT NO.: 236681

SHEET NO. TC-1 PAGE NO. 14/15

SanBenitoCurve_Temp_Traffic.dwg

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Total Volume Table (Cubic Yards)					
Station	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
1+10.00	0	0	0	0	0
1+50.00	0	3	0	3	−3
2+00.00	1	26	1	29	−28
2+50.00	0	58	1	87	−85
3+00.00	2	91	3	178	−174
3+50.00	4	120	8	297	−290
4+00.00	4	139	12	437	−425
4+50.00	5	166	17	603	−586
5+00.00	6	197	23	800	−777
5+50.00	5	226	28	1026	−998
6+00.00	4	252	32	1278	−1246
6+50.00	4	274	36	1552	−1516
7+00.00	4	286	40	1838	−1799
7+50.00	2	280	42	2119	−2076
8+00.00	2	276	44	2395	−2351
8+50.00	2	305	45	2700	−2654
9+00.00	2	370	48	3070	−3022
9+50.00	2	435	50	3505	−3455
10+00.00	1	471	51	3976	−3924
10+50.00	1	474	53	4450	−4397

Total Volume Table (Cubic Yards)					
Station	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
11+00.00	2	466	55	4916	−4862
11+50.00	1	458	56	5374	−5319
12+00.00	1	451	57	5826	−5769
12+50.00	1	454	58	6280	−6222
13+00.00	1	453	58	6733	−6674
13+50.00	0	440	59	7172	−7113
14+00.00	0	424	59	7596	−7537
14+50.00	0	406	59	8002	−7943
15+00.00	0	384	59	8387	−8327
15+50.00	0	187	60	8574	−8514
16+00.00	0	204	60	8778	−8718
16+50.00	0	374	60	9152	−9092
17+00.00	25	299	85	9451	−9367
17+50.00	43	228	128	9679	−9551
18+00.00	23	171	150	9850	−9699
18+50.00	7	145	157	9994	−9837
19+00.00	4	138	161	10133	−9972
19+50.00	3	131	164	10264	−10099
20+00.00	2	127	166	10391	−10225
20+50.00	1	123	167	10514	−10347

Total Volume Table (Cubic Yards)					
Station	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
21+00.00	0	111	167	10625	−10458
21+50.00	0	91	167	10716	−10549
22+00.00	0	77	167	10793	−10626
22+50.00	0	76	167	10869	−10702
23+00.00	0	75	167	10944	−10777
23+50.00	0	36	167	10980	−10813
24+00.00	0	0	167	10980	−10813
24+50.00	0	10	167	10990	−10823
25+00.00	0	20	167	11010	−10843

NOTES:
1) VOLUMES PROVIDED THE TOTAL VOLUME TABLE COMPARE FINISH GRADE AND EXISTING SURFACES INCLUDING EARTHWORK, AGGREGATE BASE, HMA AND SHOULDER BACKING.
2) VOLUMES INCLUDE IMPROVEMENTS WITHIN THE PROPOSED RIGHT OF WAY ONLY.
3) VOLUMES ARE CALCULATED WITH A SHRINK SWELL RATIO OF 1:1.
2) THE TOTAL VOLUME TABLES ARE FOR REFERENCE ONLY AND NOT FOR FOR THE PURPOSE OF BIDDING.

For Reference Only- Not for the Purpose of Bidding

ROADWAY ITEMS

ROADWAY EXCAVATION	ROADWAY FILL	IMPORT BORROW	HMA TYPE (A) 3/4" METHOD		CLASS II AGGREGATE BASE (ROADWAY)		CLASS II AGGREGATE BASE (ACCESS ROAD)		CLASS III AGGREGATE BASE (ACCESS ROAD)		REMOVE PAVEMENT	SHOULDER BACKING		30" REINFORCED CONCRETE PIPE	30" REINFORCED CONCRETE FLARED END SECTION	REMOVE CULVERT	ROCK SLOPE PROTECTION	TREE STUMP REMOVAL (6' BASE)
CY	CY	CY	CY	TON	CY	TON	CY	TON	CY	TON	SF	CY	TON	LF	EA	LF	CY	EA
4711	6269	1559	1062	2151	2833	5524	136	265	181	354	74850	472	921	138	2	180	32	2

DELINEATION AND MARKERS

TRAFFIC STRIPES				PAVEMENT MARKINGS		DELINEATORS	OBJECT MARKERS
DETAIL A20A, 19	DETAIL A20A, 22	DETAIL A20B, 27B	DETAIL A20B, 27C	DETAIL A24D, STOP	DETAIL A24E, LIMIT LINE	CLASS 1, TYPE E	TYPE L-1, CA, NON-REFLECTIVE
LF	LF	LF	LF	SF	SF	UNIT	UNIT
985	3735	4790	235	22	25	33	4

EROSION CONTROL

TEMPORARY CONSTRUCTION ENTRANCE, TYPE 1	TEMPORARY SILT FENCE	TEMPORARY FIBER ROLL	HYDROSEED
UNIT	LF	LF	SF
2	2000.0	4210.0	176565.0

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER
ALLEN S. ROSSER
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STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
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Gerber, Ca 96035
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COUNTY OF TEHAMA

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SAN BENITO AVE. CURVE REALIGNMENT QUANTITY SHEET

PROJECT NO.: 236681

SHEET NO.	PAGE NO.
Q−1	15/15