COUNTY OF TEHAMA

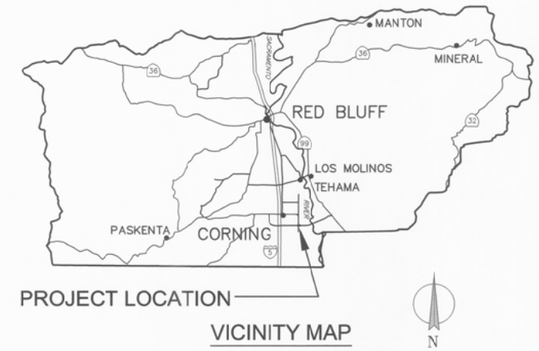
DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLANS FOR

SOUTH AVENUE & HALL ROAD INTERSECTION IMPROVEMENT PLANS

FEDERAL AID HIGH RISK RURAL ROAD PROJECT

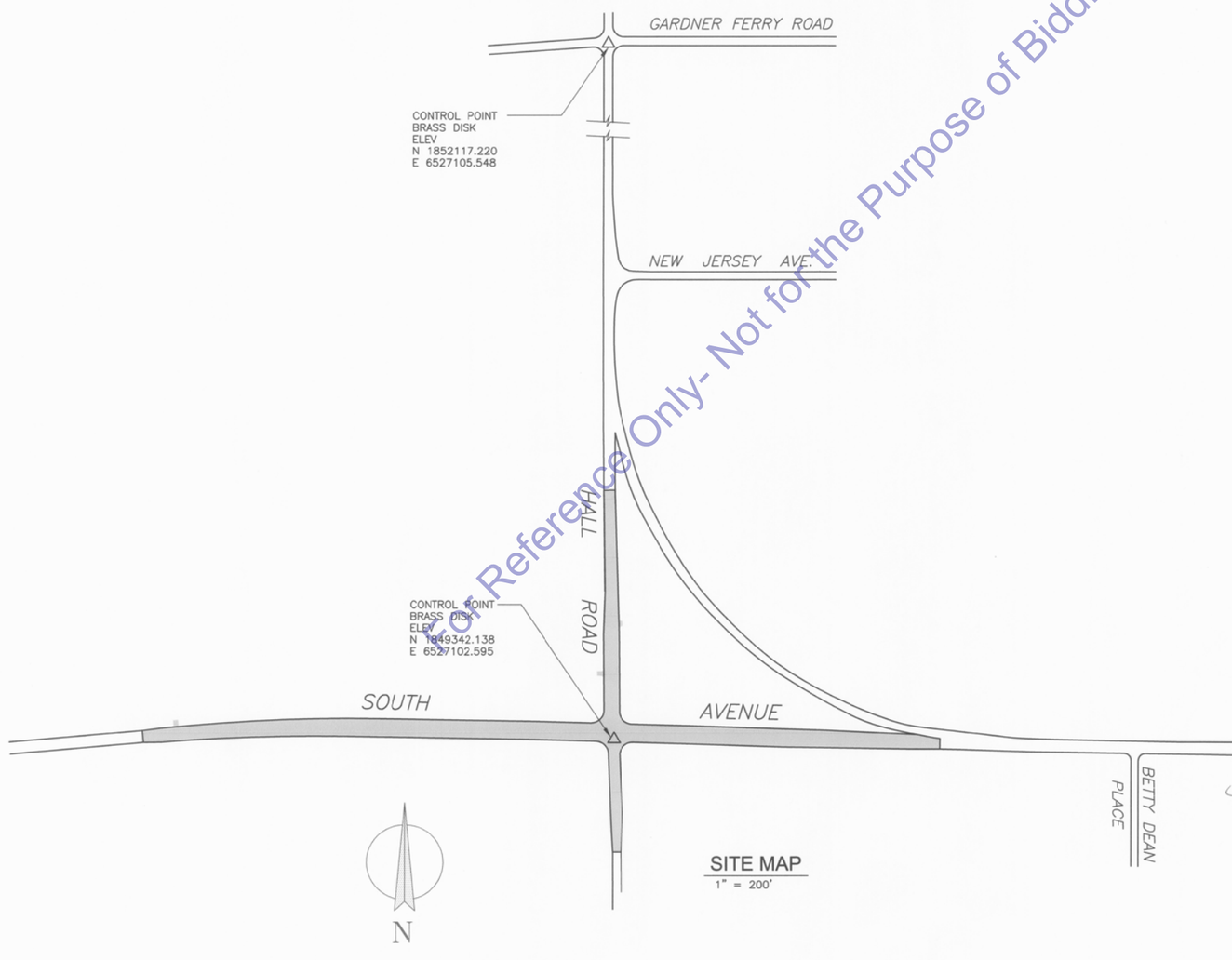
FEDERAL AID PROJECT No. HSIPL 5908(079)
COUNTY PROJECT NO. 235991



VICINITY MAP

LEGEND

UP•	UTILITY POLE
FL	FLOWLINE
CL	CENTERLINE
D/W	DRIVEWAY
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
P.I.	POINT OF INTERSECTION
B.C.	BEGIN CURVE
E.C.	END CURVE
B.V.C.	BEGIN VERTICAL CURVE
E.V.C.	END VERTICAL CURVE
ETW	EDGE TRAVELED WAY
SHO	SHOULDER – GRAVEL
EL	ELEVATION
EP	EDGE OF PAVEMENT
R/W	RIGHT OF WAY
EX	EXISTING
PC	POINT OF CURVATURE
PT	POINT OF TANGENTCY
⊗	SURVEY MONUMENT
▲	CONTROL POINT
	UNDERGROUND TELEPHONE COPPER LINE
	EXISTING OVERHEAD UTILITY LINE
	EXISTING FENCE LINE
	NEW FENCE LINE
	RIGHT OF WAY LINE
	FLOWLINE
	LIMITS OF CONSTRUCTION (TOP/TOE OF SLOPE)



SITE MAP
1" = 200'

For Reference Only- Not for the Purpose of Bidding

INDEX OF SHEETS

PAGE	SHEET	DESCRIPTION
1	T–1	TITLE SHEET
2	D–1	TYPICAL SECTION, DETAILS
3	P–1	PLAN AND PROFILE SOUTH AVE.
4	P–2	PLAN AND PROFILE SOUTH AVE.
5	P–3	PLAN AND PROFILE HALL ROAD
6	P–4	INTERSECTION PLAN
7	STP–1	SIGNAGE AND STRIPING PLAN
8	EC–1	EROSION CONTROL PLAN
9–13	CS1–5	CROSS SECTIONS

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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.

TEHAMA COUNTY BOARD OF SUPERVISORS

DISTRICT 1 STEVE CHAMBLIN
DISTRICT 2 SANDRA BRUCE
DISTRICT 3 DENNIS GARTON
DISTRICT 4 BOB WILLIAMS
DISTRICT 5 BURT BUNDY

BOARD OF SUPERVISORS TEHAMA COUNTY, CA

APPROVED BY:

CHAIRPERSON BOARD OF SUPERVISORS

TEHAMA COUNTY DEPARTMENT OF PUBLIC WORKS

6-10-13

GARY ANTONE
DIRECTOR OF PUBLIC WORKS

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

REGISTERED PROFESSIONAL ENGINEER RADLEY M. OTT C 76196 EXP. 06/30/14 CIVIL STATE OF CALIFORNIA

No.	REVISION:	BY:	DATE:

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

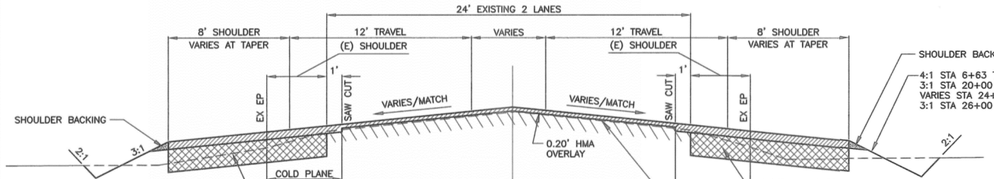
SCALE	
HORIZ:	N/A
VERT:	N/A
DRAWN BY:	Drawn By>
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue & Hall Road Intersection Improvement Plan
Cover Sheet

PROJECT NO.: 235991	
SHEET NO.	PAGE NO.
T-1	1/13

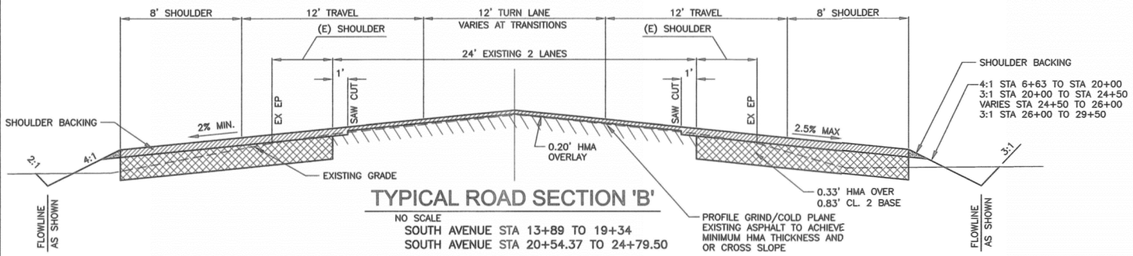
South@Hallist.dwg

P:\235991 South Ave @ Hall Rd - Intersection Improvement\DWG\SC ANNED\SIGNED\11X17\Use-for-Scaling-11X17.dwg



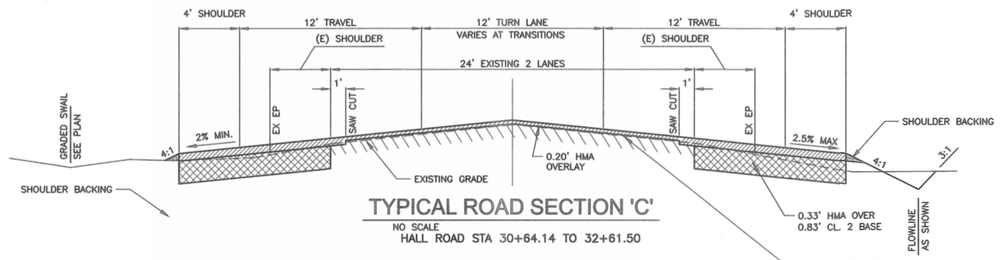
TYPICAL ROAD SECTION 'A'

NO SCALE
SOUTH AVENUE STA 6+63 TO 13+89
SOUTH AVENUE STA 24+79.50 TO 29+50



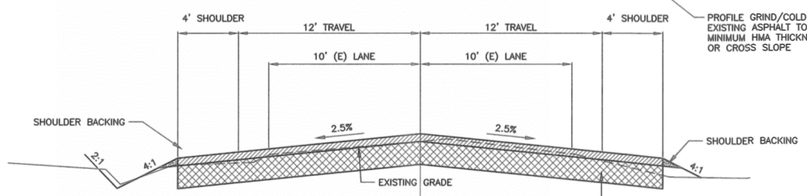
TYPICAL ROAD SECTION 'B'

NO SCALE
SOUTH AVENUE STA 13+89 TO 19+34
SOUTH AVENUE STA 20+54.37 TO 24+79.50



TYPICAL ROAD SECTION 'C'

NO SCALE
HALL ROAD STA 30+64.14 TO 32+61.50



TYPICAL ROAD SECTION 'D'

NO SCALE
HALL ROAD STA 5+25 TO 7+34.24

SOUTH AVENUE AND HALL ROAD - ROADWAY ITEMS

LINE	LOCATION STATION	HOT MIX ASPHALT (TYPE A) CY	CLASS 2 AGGREGATE BASE CY	ROADWAY CUT CY	ROADWAY FILL CY	COLD PLANE ASPHALT CONCRETE PAVEMENT SY	SHOULDER BACKING CY	RUMBLE STRIPS SHOULDER LF	RUMBLE STRIPS CENTERLINE LF	INSTALL 12" CORRUGATED STEEL PIPE LF	INSTALL 18" CORRUGATED STEEL PIPE LF	INSTALL 5' ROCK PROTECTION CY	COMMENTS
	South Avenue	1112	1741	1197	920	4311	50	4238	2247	24	37	6	
	Hall Road (North)	250	320	328	61	0	0	1325	667	22	0	0	
	Hall Road (South)	124	308	414	23	0	0	0	0	0	0	0	
	TOTALS	1486	2369	1939	1004	4311	50	5563	2914	46	37	6	
	CONVERTED UNITS	3009 Tons	4797 Tons				101 Tons						

SURVEY MONUMENT - TO BE RECORDED BY COUNTY

LINE	LOCATION STATION	RELOCATE EA	MARKER BOX EA	COMMENT
	7+81.37 HALL RD	1	0	BRASS CAP EXIST
	TOTAL	1	0	

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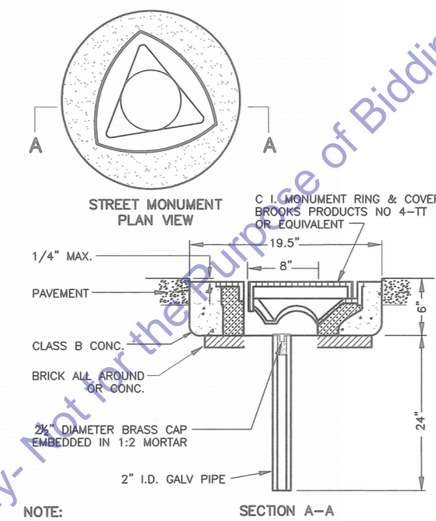
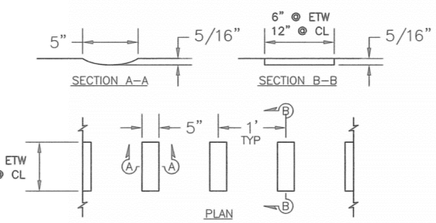


NOTE:
1. MONUMENTS SHALL BE SET AT THE LOCATIONS DESIGNATED ON THE PLANS AND ON THE FINAL MAP.
2. STREET MONUMENTS SHALL BE USED IN ALL PAVED AREAS AND OTHER LOCATIONS AS SHOWN ON THE PLANS.

SURVEY MONUMENT INSTALLATION

PER TEHAMA COUNTY STANDARD PLANS DWG. MO. 0961



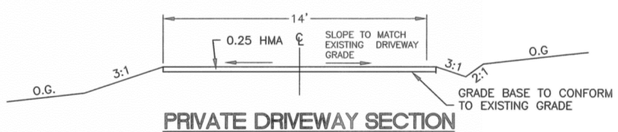
GROUND-IN INDENTATIONS

RUMBLE STRIP PLACEMENT LEFT OF DIRECTION OF TRAVEL

RUMBLE STRIP PLACEMENT RIGHT OF DIRECTION OF TRAVEL

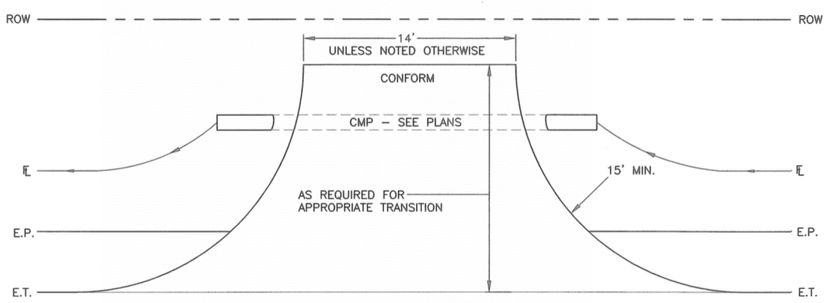
NOTES:
1. Define limits of Rumble Strip by station.
2. A 1' offset from the edge of traveled way to the edge of the rumble strip shall be used for rumble strip placement right of the direction of travel.

SHOULDER + CENTERLINE RUMBLE STRIPS



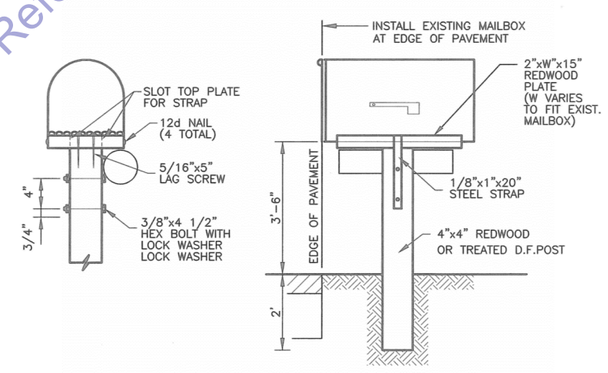
PRIVATE DRIVEWAY SECTION

N.T.S.



PRIVATE DRIVEWAY PLAN

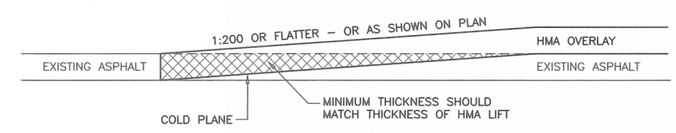
N.T.S.



NOTE: Existing newspapaer boxes shall be fasten to the side of post, directly under the mailbox, by 2- # 12x2" wood screws

Mailbox to be installed per County Standard Plans, Drawing No. 0963.

MAILBOX INSTALLATION



VERTICAL TRANSITION CONFORM TAPER GRIND DETAIL

N.T.S.

No.	REVISION:	BY:	DATE:
1	REVISED CUT AND FILL QUANTITIES	NDC	7-31-2013
2	REMOVE SALVAGE AC REQUIREMENT	TAC	8-12-2013
3	REVISED SECTIONS AND QUANTITIES	TAC	1-16-2014

REGISTERED PROFESSIONAL ENGINEER KEITH 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:	NOTED
VERT:	N/A
DRAWN BY:	TAC
DATE:	1/16/2014
CHECKED BY:	
DATE:	

South Avenue & Hall Road
Intersection Improvement Plan
Typical Sections and Details

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
D-1	2/13

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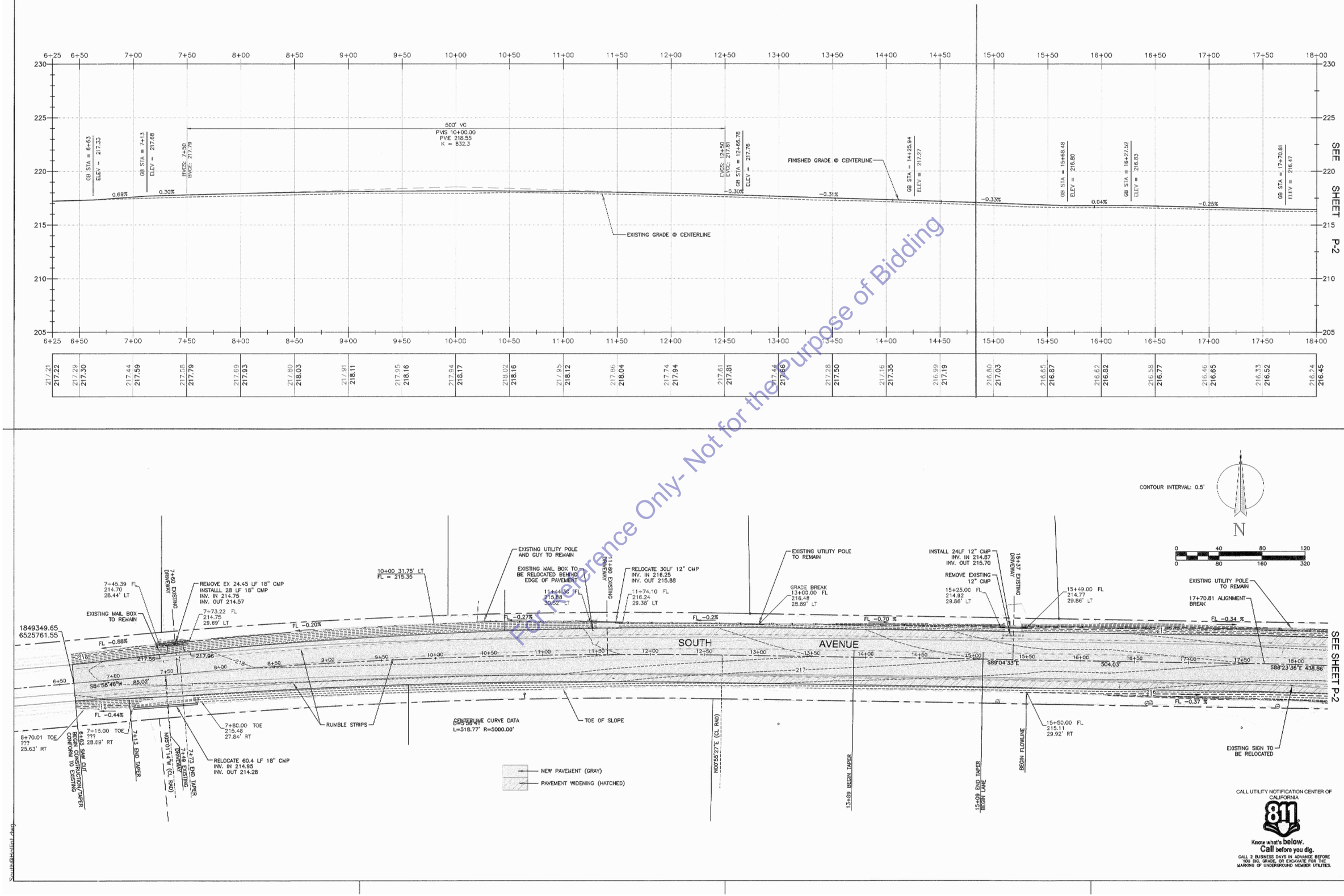
South@Hallint_Bid2.dwg



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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER RADLEY M. OTTO C-76166 EXP. 06/16/14 CIVIL STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

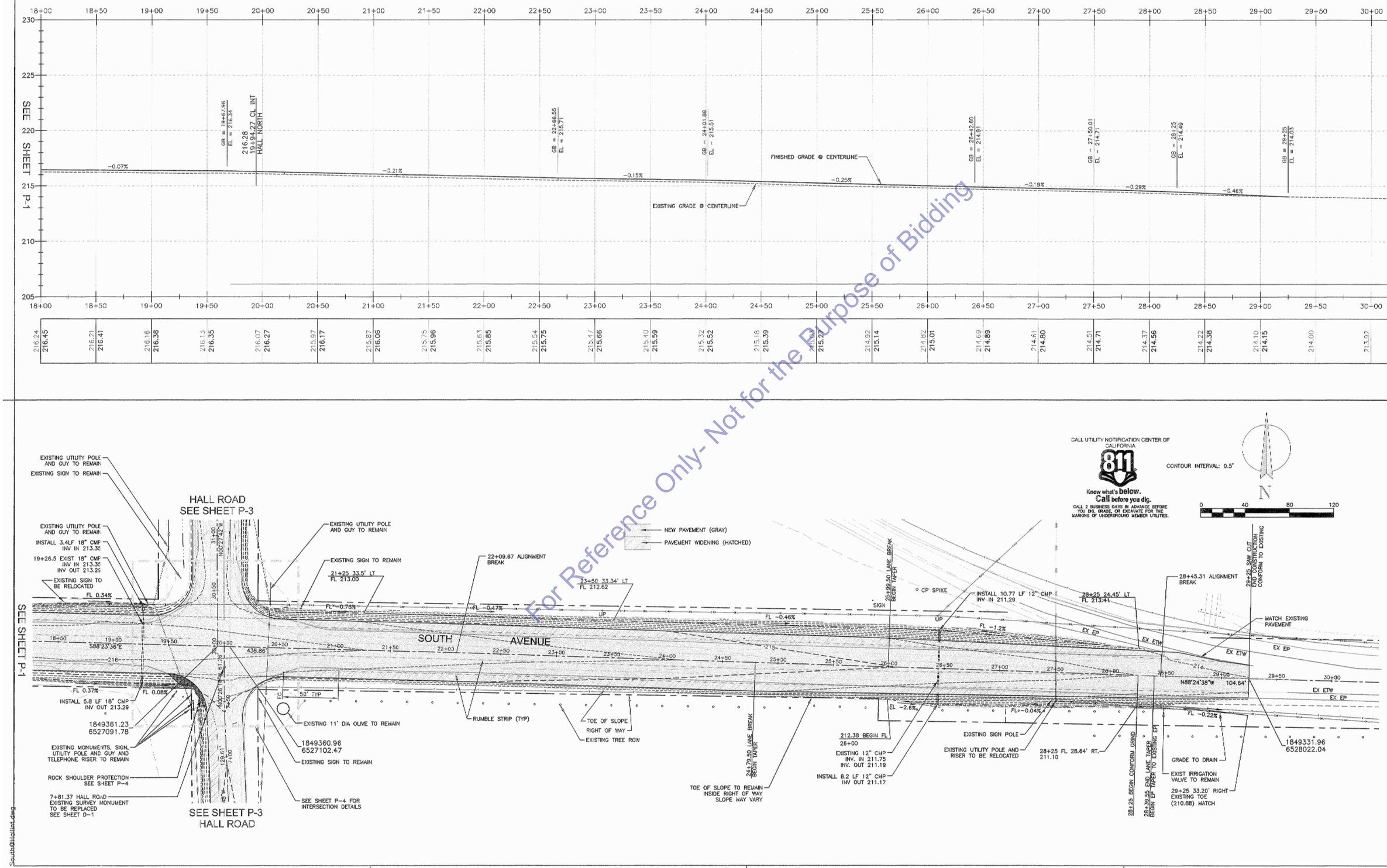
SCALE	
HORIZ:	1:=40'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans South Avenue Plan and Profile

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
P-1	3/13

South@Hallint.dwg



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REGISTERED PROFESSIONAL ENGINEER RADLEY M. OTT C-76166 EXP. 06/16/13 CIVIL STATE OF CALIFORNIA

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

COUNTY OF TEHAMA

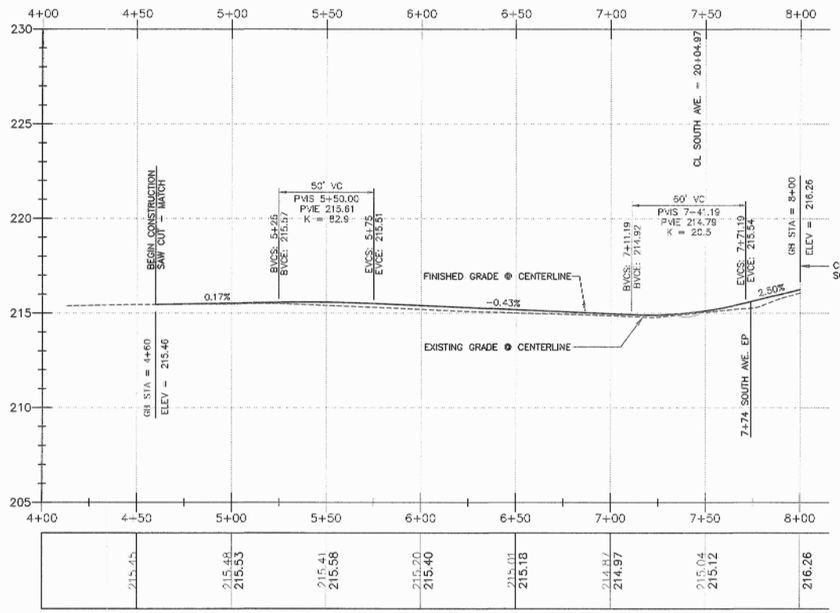
SCALE	
HORIZ:	1:=40'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

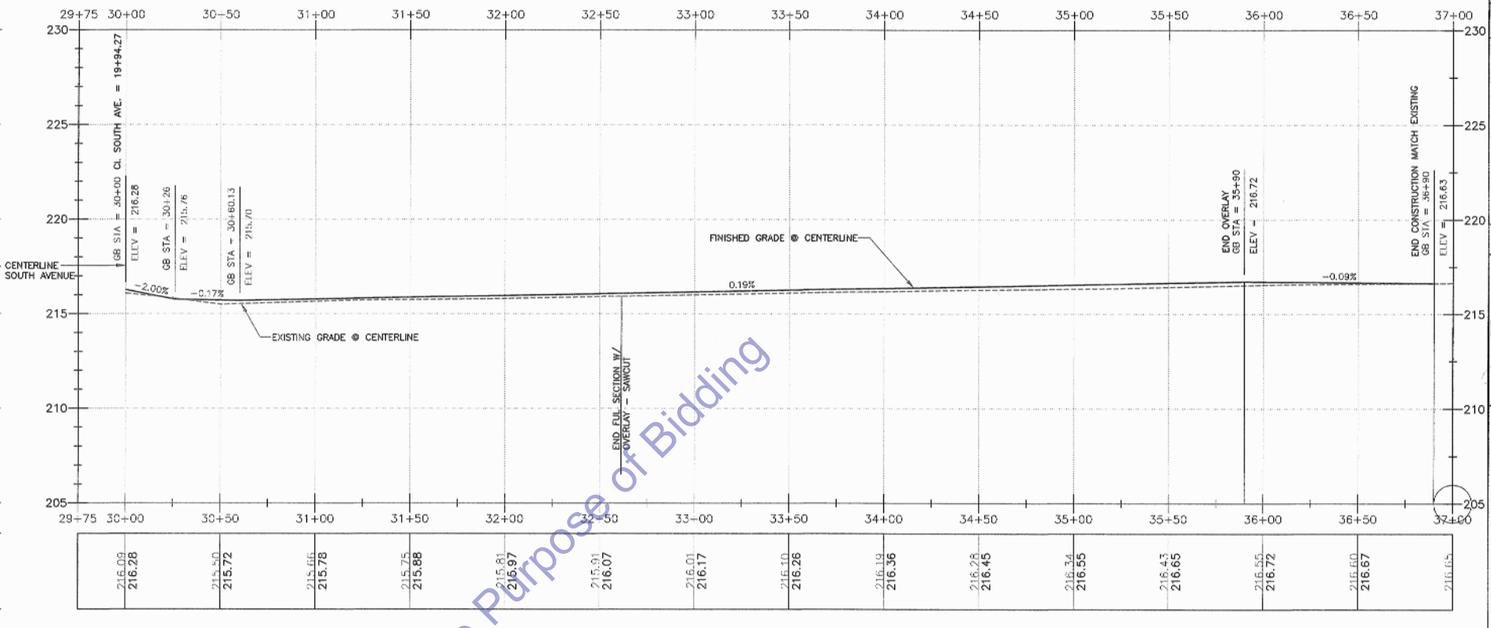
South Avenue and Hall Road Intersection Improvement Plans
South Avenue Plan and Profile

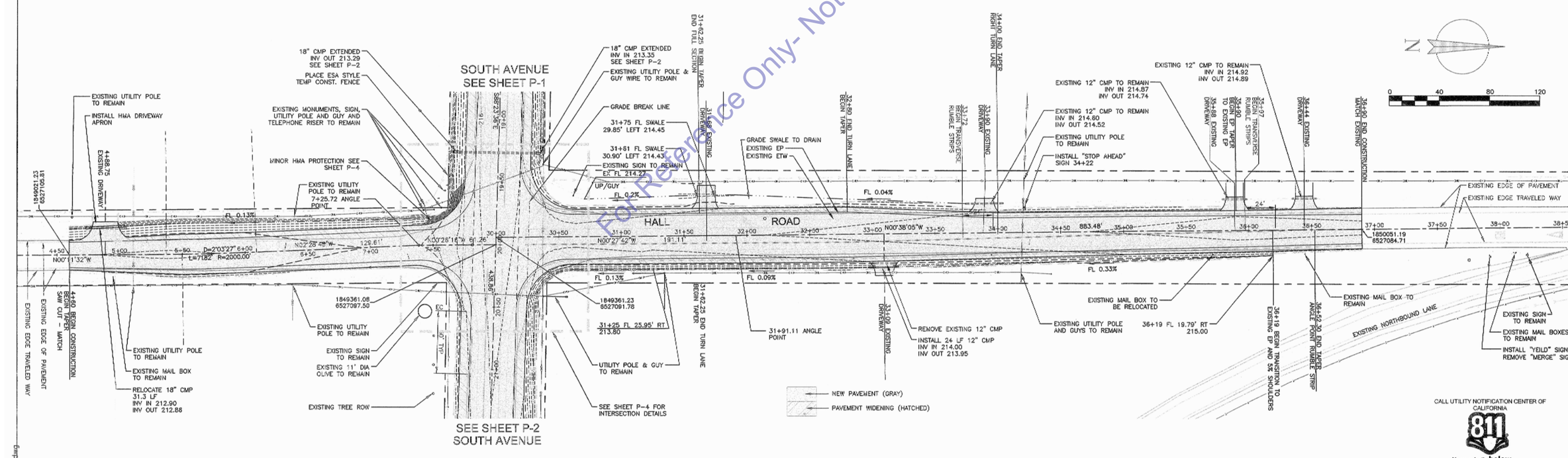
PROJECT NO.: 235991

SHEET NO.	PAGE NO.
P-2	4/13

South@Hallint.dwg







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No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER RADLEY M. OTT C 78199 CIVIL STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS
9300 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

COUNTY OF TEHAMA

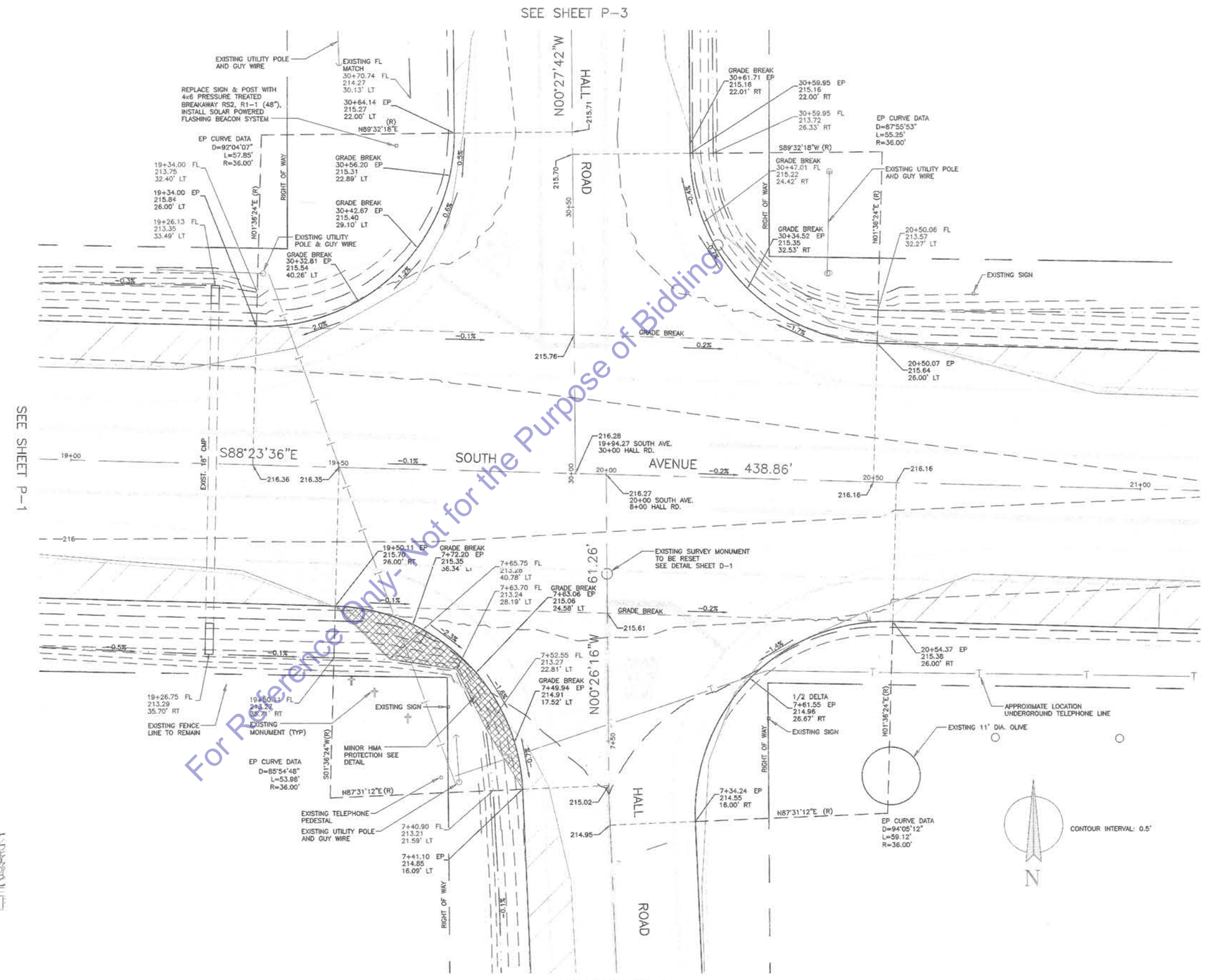
SCALE	
HORIZ:	1"=40'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plan Hall Road Plan and Profile

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
P-3	5/13

SouthAvHallRd.dwg



MINOR HMA PROTECTION
NTS

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No.	REVISION:	BY:	DATE:
1	REVISED STOP SIGN NOTE	KSR	7-17-2013

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

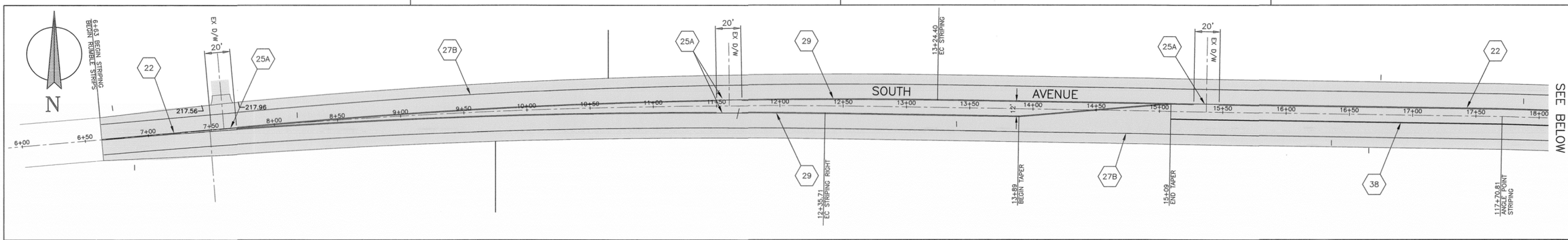
TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

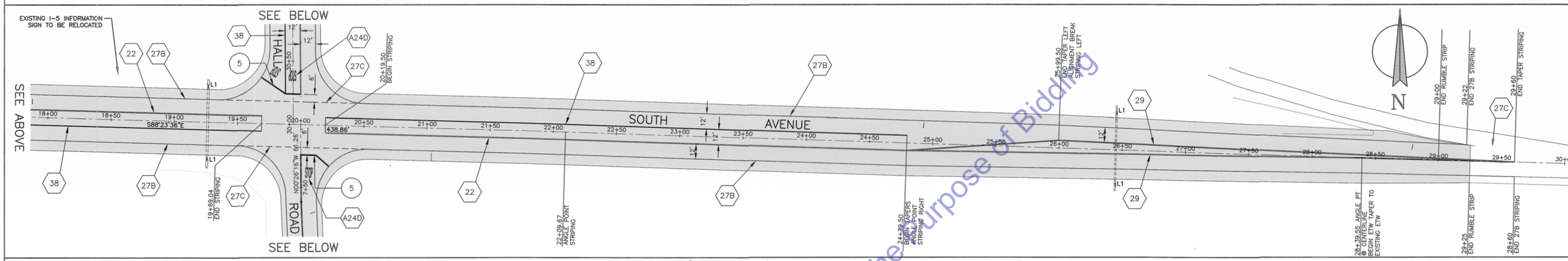
SCALE		
HORIZ:	1:=10'	
VERT:	N/A	
DRAWN BY:	TAC	
DATE:	6/7/2013	
CHECKED BY:		
DATE:		

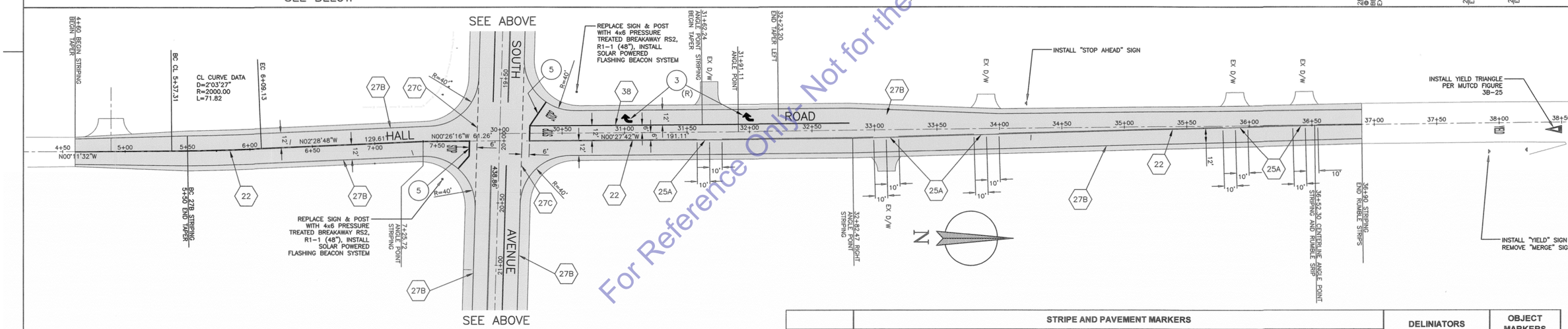
South Avenue and Hall Road
Intersection Improvement Plans
INTERSECTION PLAN

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
P-4	6/13







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LEGEND

PER STATE OF CALIFORNIA STANDARD PLANS

- (22) 4" SOLID DOUBLE YELLOW LINES W/ MARKERS
- (25A) 4" SOLID YELLOW LINE W/ MARKERS
- (27B) 4" SOLID WHITE LINE
- (27C) 4" DASHED WHITE LINE
- (29) 4" SOLID DOUBLE YELLOW LINES W/ SINGLE MARKERS
- (38) 8" SOLID WHITE LINE

- (1) "STOP" PAVEMENT MARKING
- (2) R1-1 STOP SIGN
- (3) ARROW TYPE IV (L) (R)
- (4) ARROW TYPE I 10'
- (5) 12" WHITE STOP LIMIT LINE
- (6) "AHEAD" PAVEMENT MARKING
- (7) ARROW TYPE V
- SIGN AS NOTED
- E DELINEATOR – TYPE AS NOTED
- L1 OBJECT MARKER – TYPE AS NOTED

NOTES

1. STRIPING DETAIL NUMBERS SHALL COMPLY WITH CALTRANS STANDARD PLANS. REFER TO STANDARD PLANS A20A → A20D.
2. PAVEMENT MARKINGS AND SYMBOLS SHALL COMPLY WITH CALTRANS STANDARD PLANS. REFER TO MOST CURRENT VERSION OF STANDARD PLANS FOR DETAILS.
3. ALL SIGNING AND STRIPING SHALL COMPLY WITH THE 2012 CA-MUTCD, OR NEWER VERSION.
4. ALL DELINEATORS SHALL BE POSITIONED 2' TO 3' OFF THE EDGE OF PAVED SHOULDER UNLESS INSTALLED ON GUARDRAIL OR AS NOTED ON PLAN.

LOCATION	STRIPE AND PAVEMENT MARKERS															DELINIATORS			OBJECT MARKERS	
	TRAFFIC STRIPES							PAVEMENT MARKINGS					REFLECTIVE MARKERS							
	DETAIL 25A LF	DETAIL 22 LF	DETAIL 29 LF	DETAIL 38 LF	DETAIL 26 LF	DETAIL 27C LF	DETAIL 27B LF	LIMIT LINE SQ FT	STOP SQ FT	ARROW TYPE IV SQ FT	YIELD SQ FT	YIELD TRIANGLE SQ FT	TYPE D EA	TYPE G EA	TYPE H EA	TYPE E	TYPE F	TYPE G	TYPE K1	TYPE L1*
South Avenue	80	949	2401	1060	120	258	4373	0	0	0	0	0	258	38	0	0	0	0	0	4
Hall Road	100	947	0	0	0	0	1985	64	44	30	24	27	76	6	0	0	0	0	0	0
	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	180	1896	2401	1060	120	258	6358	64	44	30	24	27	334	44	0	0	0	0	0	4

* WITHOUT RETROREFLECTIVE SHEETING

ROADSIDE SIGN									
			POST SIZE (INCHES) (N)		ROADSIDE SIGN				
SIGN NO.	SIGN CODE	PANEL SIZE	2" UNISTRUT	4x6 PTW	ONE POST	TWO POST	RELOCATE ONE POST	REMOVE	METAL (BARRIER MOUNTED SIGN)
		INCHES	EA		EA		EA		EA
YIELD	R 39 R	36x36x36			1				
MERGE	W59	36x36						1	
STOP AHEAD	W3-1	36x36	X		1				
STOP W/ RED BEACON	R1-1	48		X	2			1	
DESTINATION							2		
				TOTAL	4		2	2	

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No.	REVISION:	BY:	DATE:
1	REVISED STOP SIGN W/ BEACON	KSR	7-17-2013
2	REVISED QUANTITIES	KSR	3-6-2014

REGISTERED PROFESSIONAL ENGINEER KEITH 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

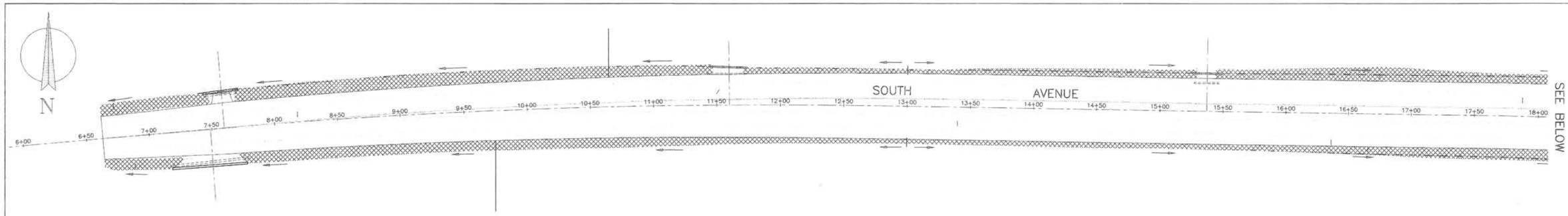
SCALE	
HORIZ:	1:=40'
VERT:	N/A
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

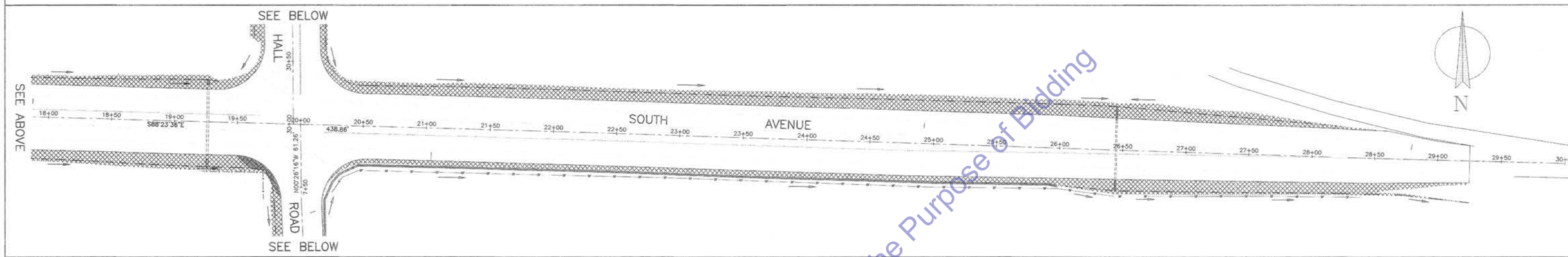
South Avenue and Hall Road Intersection Improvement Plans
Striping Plan

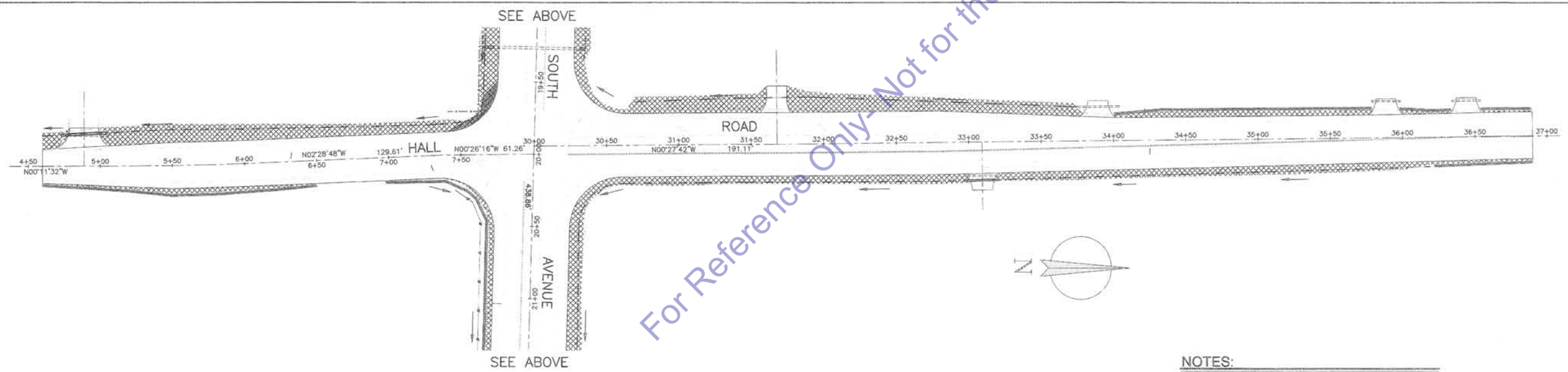
PROJECT NO.: 235991

SHEET NO.	PAGE NO.
STP-1	7/13

South@Hallint_Bid2.dwg
P:\237681 Orangewood Road Sight Distance Improvement\DESIGN\Orangewood2011\Scanned\11x17\Use_for_Scaling_11x17.dwg







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LEGEND

- SF — SILT FENCE
- TCE1 — TEMPORARY CONSTRUCTION ENTRANCE (TYPE 1)
- FIBER ROLL
- HYDROSEED AREA
- FLOWLINE AND FLOW DIRECTION

NOTES:

1. REFER TO PROJECT SPECIFICATIONS FOR WATER POLLUTION CONTROL REQUIREMENTS.
2. THIS EROSION CONTROL EXHIBIT IS INTENDED AS A VISUAL SUPPLEMENT TO THE PROJECT WPCP/WPCP/SWPPP, WHICH IS TO BE PREPARED BY PROJECT CONTRACTOR. THE PREPARED WPCP/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 (LOCAL, STATE DISCHARGE PERMIT, ETC.) 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 LOCAL, STATE, AND FEDERAL REQUIREMENTS; CONTRACTOR SHALL ALSO TAKE EXTRA CARE AND PREVENTATIVE MEASURES DUE TO THE ADJACENCY OF EXISTING OCCUPIED DWELLING UNITS AND BUSINESSES.

EROSION CONTROL ITEMS

NO.	ITEM DESCRIPTION	QUANTITY
1	HYDROSEED	42016
2	FIBER ROLL	1144
3	SILT FENCE	800 LF

DISTURBED AREA: 73,743 SF (1.69 ACRES)

0 40 80 120
0 80 160 320

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.

No.	REVISION:	BY:	DATE:
1	REMOVED CHECK DAMS	KSR	7-17-2013

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

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

COUNTY OF TEHAMA

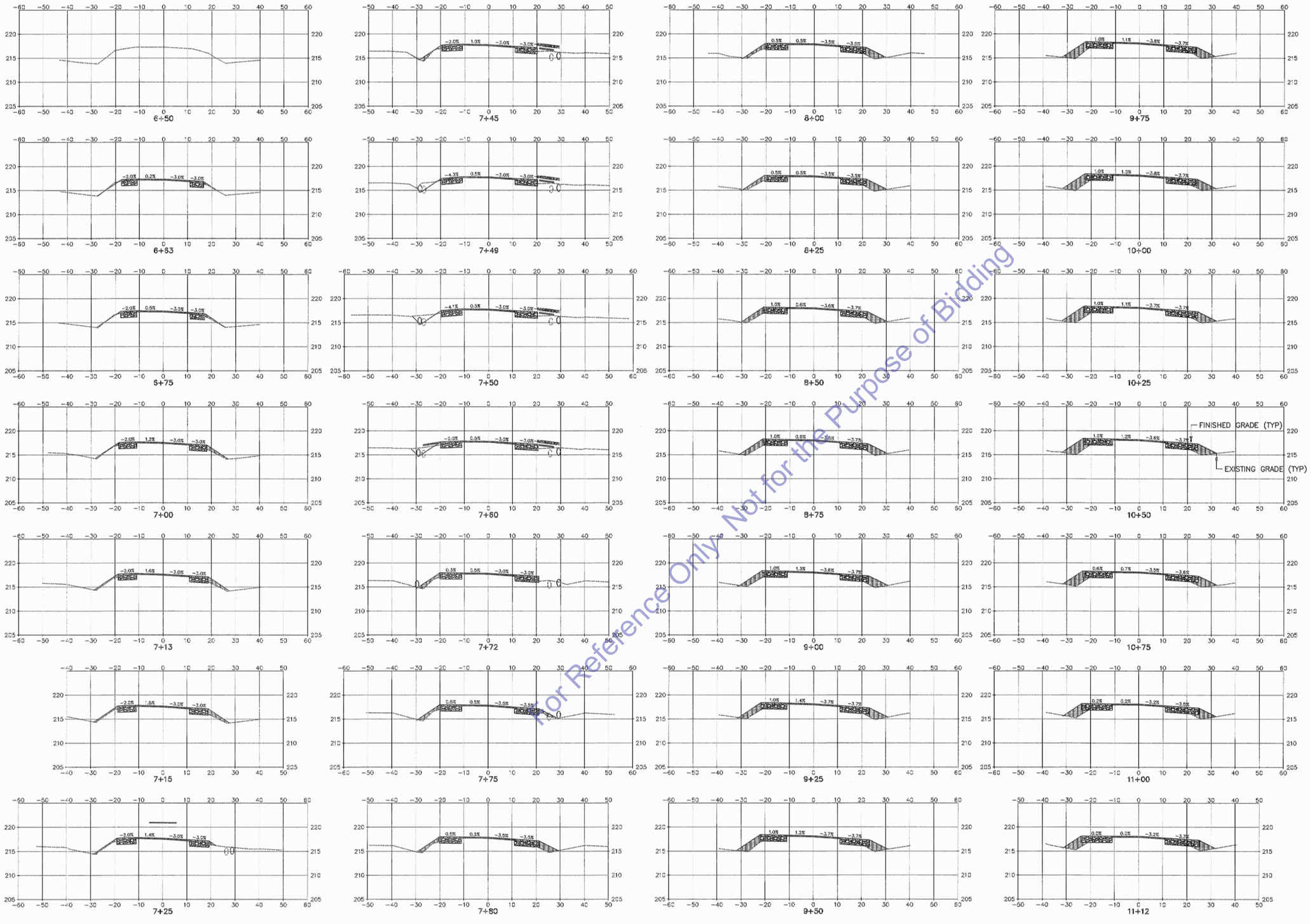
SCALE	
HORIZ:	1"=40'
VERT:	N/A
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans
Erosion Control Plan

PROJECT NO.: 235991

SHEET NO. EC-1

PAGE NO. 8/13



For Reference Only - Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

REGISTERED PROFESSIONAL ENGINEER RAILEY M. OTT C76166 STATE OF CALIFORNIA

TEHAMA COUNTY PUBLIC WORKS

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

COUNTY OF TEHAMA

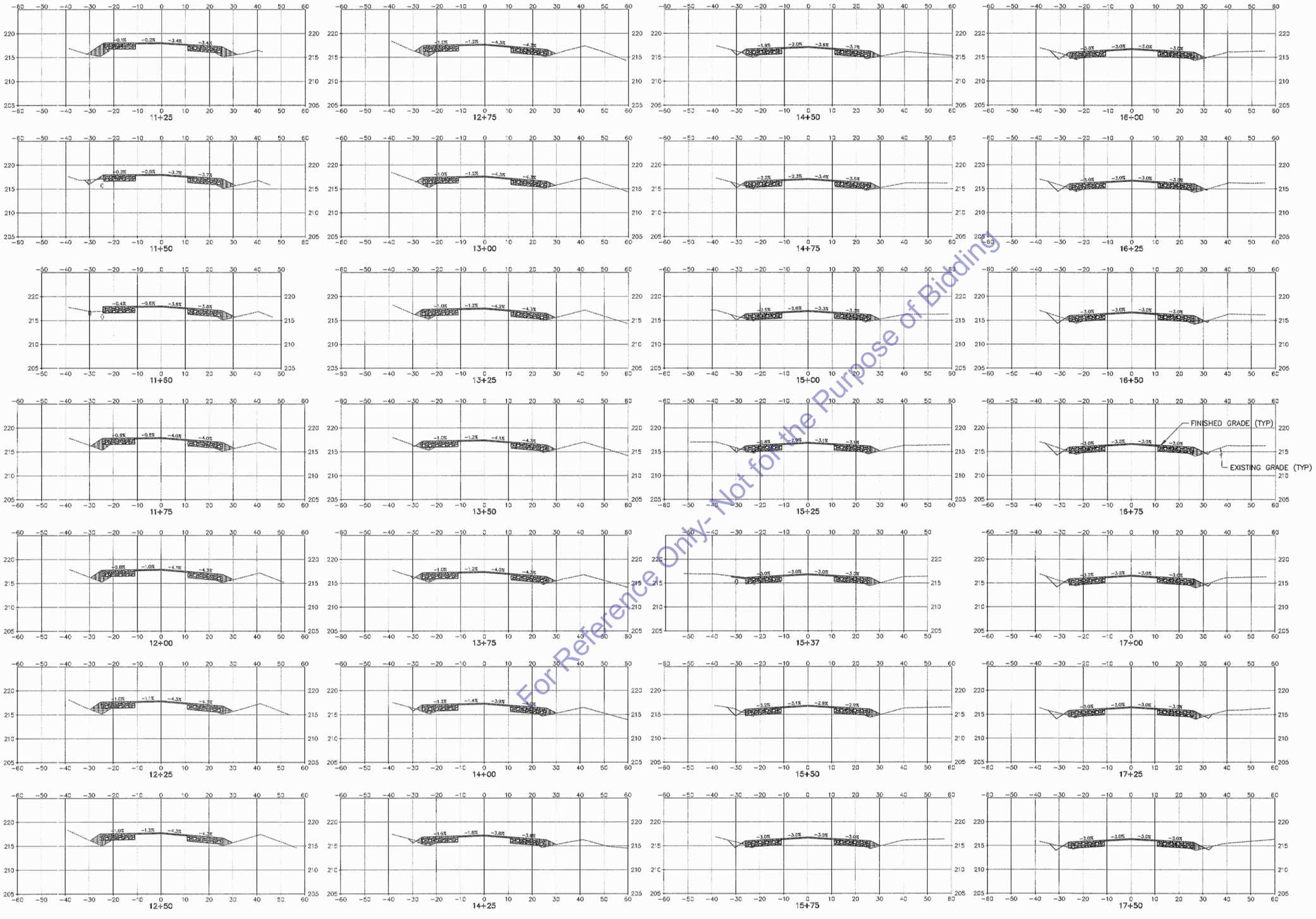
SCALE	
HORIZ:	1:=20'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans South Avenue Cross Sections

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
X-1	9/13

South@Hallint.dwg



For Reference Only- Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

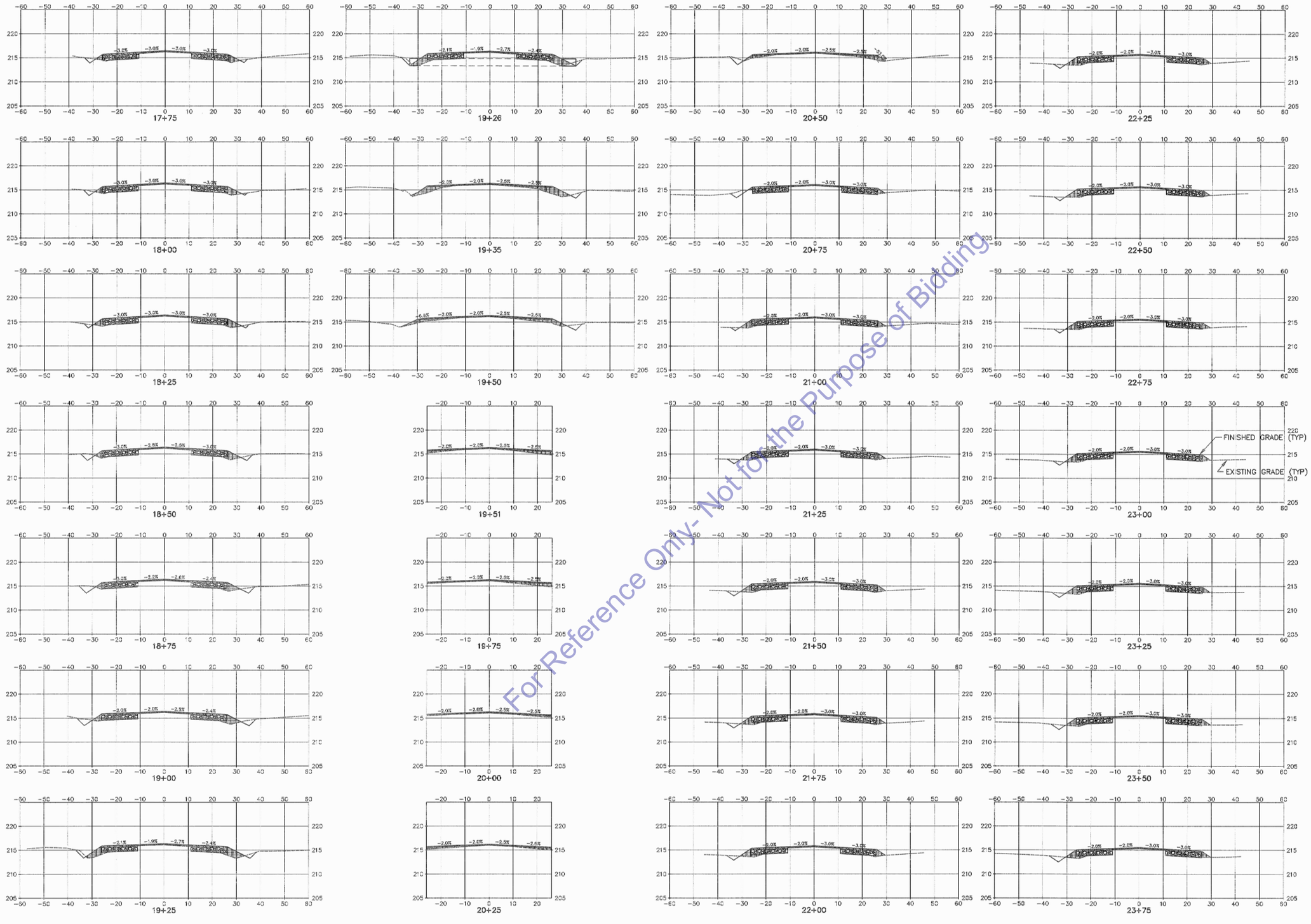
TEHAMA COUNTY
PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca 96035
(530) 385-1462

SCALE	
HORIZ:	1:=20'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans
South Avenue Cross Sections

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
X-2	10/13



For Reference Only- Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

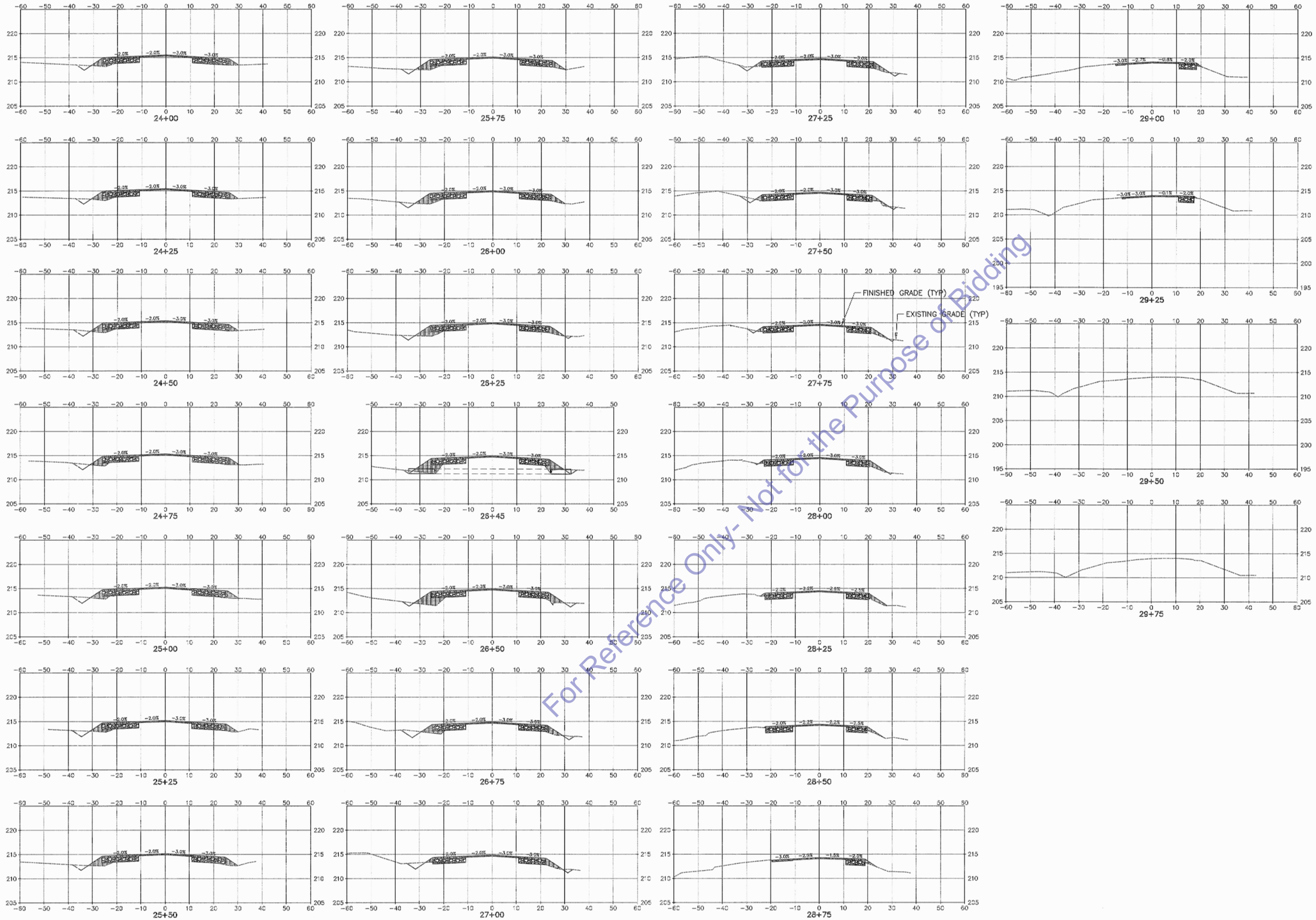
TEHAMA COUNTY PUBLIC WORKS
9380 San Benito Ave.
Gerber, Ca. 96035
(530) 385-1462

SCALE	
HORIZ:	1:=20'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans
South Avenue Cross Sections

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
X-3	11/13



For Reference Only- Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

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

SCALE	
HORIZ:	1"=20'
VERT:	1"=5'
DRAWN BY:	TAC
DATE:	6/7/2013
CHECKED BY:	
DATE:	

South Avenue and Hall Road Intersection Improvement Plans
South Avenue Cross Sections

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
X-4	12/13

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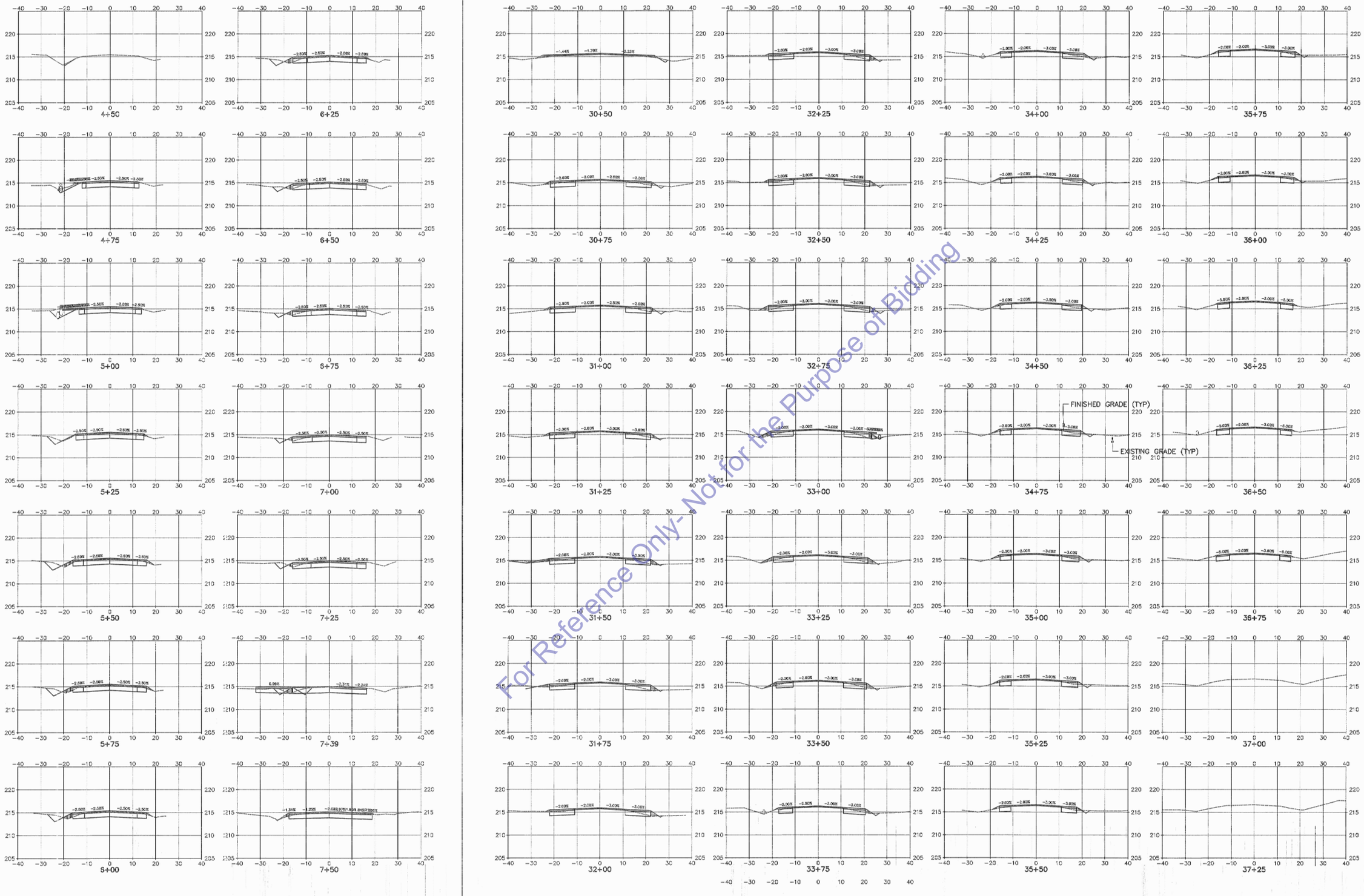

For Reference Only- Not for the Purpose of Bidding

No.	REVISION:	BY:	DATE:

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

SCALE
HORIZ: 1:=20'
VERT: 1"=5'
DRAWN BY: TAC
DATE: 6/7/2013
CHECKED BY:
DATE:

South Avenue and Hall Road
Intersection Improvement Plans
Hall Road Cross Sections

PROJECT NO.: 235991

SHEET NO.	PAGE NO.
X-5	13/13

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