



CITY OF SANTA ROSA  
IMPROVEMENT PLANS FOR

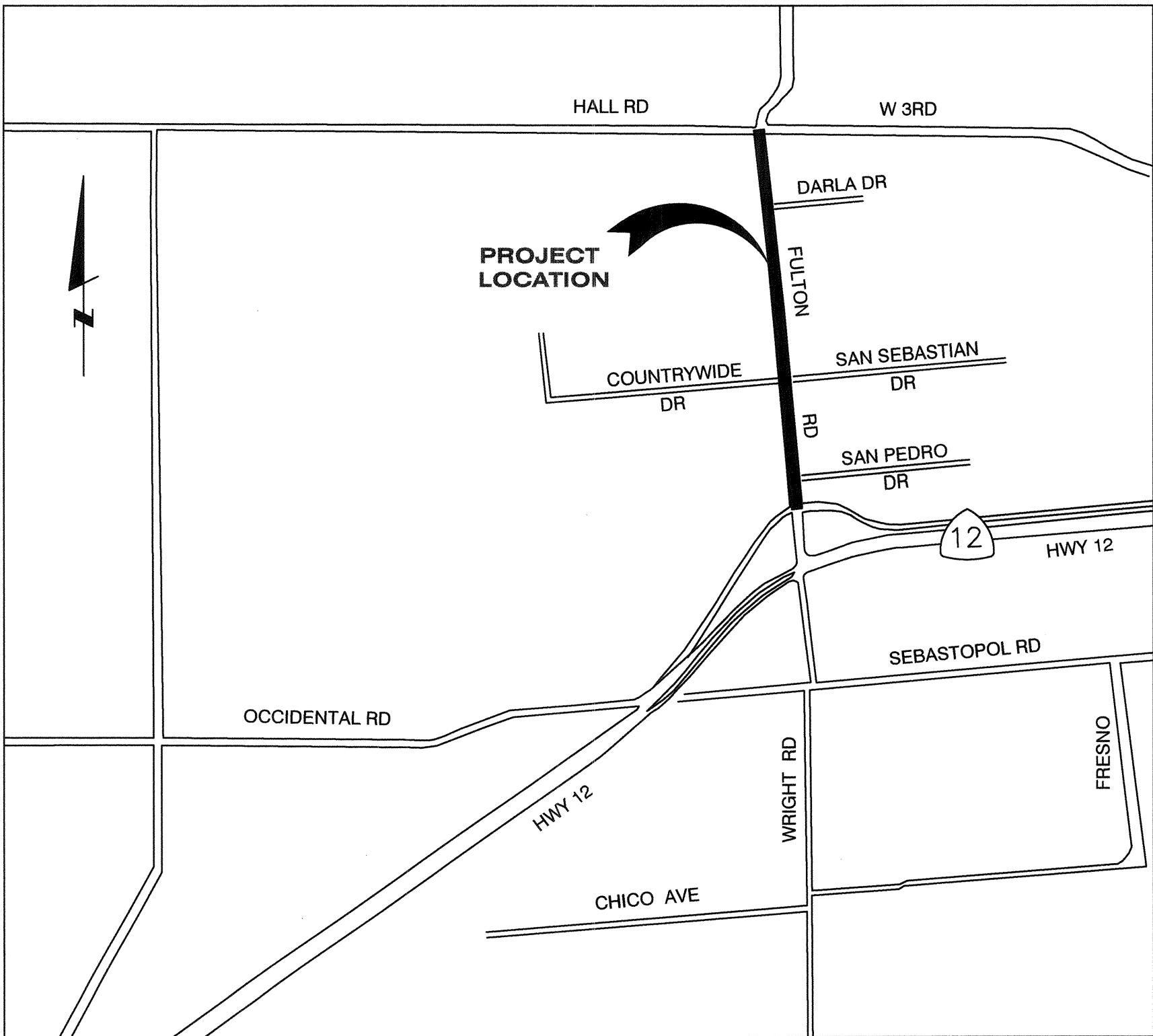
FULTON ROAD RECONSTRUCTION

OCCIDENTAL RD TO W 3RD ST

CONTRACT No. C00780

GENERAL NOTES

- ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF SANTA ROSA STANDARD PLANS, THE CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, THE SPECIAL PROVISIONS FOR THIS PROJECT AND THE STATE STANDARD SPECIFICATIONS AND STANDARD PLANS. THE CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING ALL STANDARDS PERTAINING TO THIS PROJECT.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811 NO LESS THAN 2 WORKING DAYS PRIOR TO ANY EXCAVATION FOR MARK OUTS OF EXISTING UNDERGROUND FACILITIES IN ACCORDANCE WITH SECTION 8-1.10 OF THE SPECIAL PROVISIONS.
- THE LOCATIONS OF UNDERGROUND UTILITIES, WIRES, INTERCONNECT, VAULTS AND OTHER OBSTACLES SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL POT HOLE AND DETERMINE THE EXACT LOCATION OF ALL POTENTIAL CONFLICTS IN ACCORDANCE WITH U.S.A. LAWS AND THESE SPECIAL PROVISIONS AND THE STANDARD SPECIFICATIONS. IF ANY UNMARKED UTILITIES ARE ENCOUNTERED, OR IF UNABLE TO LOCATE A MARKED UTILITY AFTER POT HOLING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THAT UTILITY AND THE CITY ENGINEER, SECTION 15-7.
- ALL STORM AND SEWER MANHOLES, MAINLINE CLEANOUTS AND WATER VALVES THAT ARE ON ACTIVE SYSTEMS SHALL BE ACCESSIBLE TO CITY PERSONNEL AT ALL TIMES AND SHALL BE RAISED OR LOWERED TO GRADE WITHIN 48 HOURS OF PAVING, PER SECTION 15-2.10B. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING ACP WATER LINES.
- THE CONTRACTOR SHALL PROTECT AND PRESERVE CITY MONUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER 10 WORKING DAYS IN ADVANCE FOR REFERENCING OF EXISTING MONUMENTS TO BE DISTURBED. THE CONTRACTOR SHALL RECONSTRUCT DISTURBED MONUMENTS IN ACCORDANCE WITH CITY STANDARD 280.
- OVERHEAD UTILITY SERVICE DROPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL INVESTIGATE THE SITE AND BE AWARE OF LIMITED CLEARANCES UNDER OVERHEAD UTILITY LINES AND LOW HANGING TREE BRANCHES. THE CONTRACTOR'S TRUCKS AND EXCAVATION EQUIPMENT SHALL BE SIZED SO THAT OVERHEAD WIRES AND TREE BRANCHES ARE NOT DAMAGED.
- ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AS GENERATED AND AT NO TIME SHALL THE CONTRACTOR PLACE EXCAVATED MATERIAL AT THE WORK SITE.
- THE CONTRACTOR SHALL ONLY REMOVE EXISTING TREES OR SHRUBS AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- FOR CLARITY OF EXISTING SUBSURFACE CONDITIONS, NOT ALL CROSSWALKS, STOP BARS, OR EXISTING PAVEMENT MARKINGS ARE SHOWN ON THE PLANS. TRAFFIC STRIPES, RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED PER CITY OF SANTA ROSA TRAFFIC STANDARDS PART III, TRAFFIC MARKINGS. ALL REPLACEMENT RAISED PAVEMENT (NON-REFLECTIVE) MARKERS MUST BE CERAMIC, PER CITY STD 720.



LOCATION MAP  
NOT TO SCALE

| RECORD PLAN DATA             |                       |
|------------------------------|-----------------------|
| PROJECT START:               | WATER SERVICE TYPE:   |
| PROJECT END:                 | MANUFACTURER:         |
| GEN. CONTRACTOR:             | FIRE HYDRANT TYPE:    |
| SUPERINTENDENT:              | MANUFACTURER:         |
| UNDERGROUND CONTRACTOR:      | INSPECTOR:            |
| FOREMAN:                     | CONSTRUCTION MANAGER: |
| SEWER PIPE TYPE:             | RECORD PLANS BY:      |
| MANUFACTURER:                |                       |
| SEWER FITTINGS MANUFACTURER: | ADDITIONAL INFO:      |
| M.H. MANUFACTURER:           |                       |
| WATER PIPE TYPE:             |                       |
| MANUFACTURER:                |                       |
| WATER VALVE MANUFACTURER:    |                       |
| WATER FITTINGS MANUFACTURER: |                       |

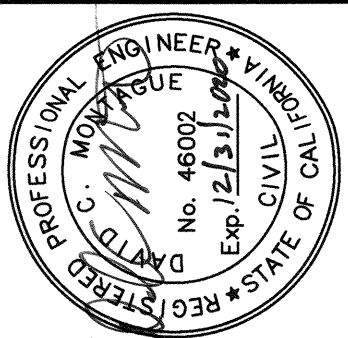
BEFORE EXCAVATING  
CALL U.S.A.  
UNDERGROUND SERVICE ALERT  
811  
TWO WORKING DAYS BEFORE ALL  
PLANNED WORK OPERATIONS

ABBREVEATIONS

|         |                           |           |                                |
|---------|---------------------------|-----------|--------------------------------|
| AB      | AGGREGATE BASE            | LT OR (L) | LEFT                           |
| ABAN    | ABANDONED                 | MB        | MAIL BOX                       |
| AC      | ASPHALT CONCRETE          | MH        | MAN HOLE                       |
| ACP     | ASBESTOS CONCRETE PIPE    | MIN       | MINIMUM                        |
| AP      | ANGLE POINT               | MON       | MONUMENT                       |
| APN     | ASSESSORS PARCEL NUMBER   | (N)       | NORTH                          |
| APPROX  | APPROXIMATELY             | NTS       | NOT TO SCALE                   |
| ARV     | AIR RELIEF VALVE          | OH        | OVERHEAD                       |
| BC      | BEGIN CURVE               | PCC       | PORTLAND CEMENT CONCRETE       |
| BFP     | BACK FLOW PREVENTER       | PED       | PEDESTRIAN                     |
| BO      | BLOW OFF                  | PI        | POINT OF INTERSECTION          |
| BOC     | BACK OF CURB              | PL        | PROPERTY LINE                  |
| BRC     | BEGIN REVERSE CURVE       | POC       | POINT ON CURVE                 |
| BSW     | BACK OF SIDEWALK          | POCC      | POINT OF COMPOUND CURVE        |
| BVC     | BEGIN VERTICAL CURVE      | POVC      | POINT ON VERTICAL CURVE        |
| CB      | CATCH BASIN               | PVI       | POINT OF VERTICAL INTERSECTION |
| C&G     | CURB AND GUTTER           | PP        | POWER POLE                     |
| CDP     | CONTROLLED DENSITY FILL   | PRV       | PRESSURE REDUCING VALVE        |
| CIP     | CAST IRON PIPE            | PT        | POINT / POINT OF TANGENT       |
| CL      | CENTERLINE                | PVC       | POLYVINYL CHLORIDE             |
| CIPP    | CAST IN-PLACE CONCRETE    | R         | RADIUS                         |
| CL      | CLASS                     | RCC       | ROLLED COMPACTED CEMENT        |
| CO      | CLEANOUT                  | RC        | RELATIVE COMPACTION            |
| CONC    | CONCRETE                  | RCP       | REINFORCED CONCRETE PIPE       |
| CP      | CONTROL POINT             | ROW       | RIGHT OF WAY                   |
| CY      | CUBIC YARD                | RPM       | RAISED PAVEMENT MARKER         |
| DI      | DROP INLET                | RT OR (R) | RIGHT                          |
| DIP     | DUCTILE IRON PIPE         | S         | SLOPE                          |
| DIA     | DIAMETER                  | (S)       | SOUTH                          |
| DWY     | DRIVEWAY                  | SCWA      | SONOMA COUNTY WATER AGENCY     |
| (E)     | EAST                      | SD        | STORM DRAIN                    |
| EX      | EXISTING                  | SDMH      | STORM DRAIN MANHOLE            |
| EA      | EACH                      | SF        | SQUARE FEET                    |
| EC      | END OF CURVE              | SHT       | SHEET                          |
| EG      | EXISTING GROUND           | SIM       | SIMILAR TO                     |
| ELEC    | ELECTRICAL                | SS        | SANITARY SEWER                 |
| EL/ELEV | ELEVATION                 | SSCO      | SANITARY SEWER CLEANOUT        |
| EP      | EDGE OF PAVEMENT          | SSMH      | SANITARY SEWER MANHOLE         |
| ESMT    | EASEMENT                  | STA       | STATION                        |
| EVC     | END VERTICAL CURVE        | STD       | STANDARD                       |
| FC      | FACE OF CURB              | SVC       | SERVICE                        |
| FG      | FINISHED GRADE            | SW        | SIDEWALK                       |
| FH      | FIRE HYDRANT              | TEL       | TELEPHONE                      |
| FL      | FLOWLINE                  | TAN       | TANGENT                        |
| FT      | FOOT or FEET              | TC        | TOP OF CONCRETE                |
| GB      | GRADE BREAK               | TCC       | TOP OF CURB ELEVATION          |
| GV      | GATE VALVE                | TP        | TOP OF PIPE                    |
| HDPE    | HIGH DENSITY POLYETHYLENE | TYP       | TYPICAL                        |
| HMA     | HOT MIX ASPHALT           | UG        | UNDERGROUND                    |
| HORIZ   | HORIZONTAL                | VC        | VERTICAL CURVE                 |
| IC      | INTERCONNECT              | VCP       | VITRIFIED CLAY PIPE            |
| IG      | INVERT GRADE              | VERT      | VERTICAL                       |
| INV     | INVERT ELEVATION          | VG        | VALLEY GUTTER                  |
| IP      | IRON PIPE                 | (W)       | WEST                           |
| IRR     | IRRIGATION                | W/        | WITH                           |
| JP      | JOINT POLE                | WM        | WATER METER                    |
| JT      | JOINT TRENCH              | WS        | WATER SERVICE                  |
| LAT     | LATERAL                   | WTR       | WATER                          |
| LF      | LINEAL FOOT               | WV        | WATER VALVE                    |
| LG      | LIP OF GUTTER             |           |                                |

INDEX TO SHEETS

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| 4.     | Improvement Plan - STA 13+00 to STA 25+00             |
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| 18.    | Signing and Striping Plan - STA 23+00 to 34+00        |
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|                 |               |                    |            |                                                                            |             |
|-----------------|---------------|--------------------|------------|----------------------------------------------------------------------------|-------------|
| 1/22/19         | 1/22/19       | 1/22/19            | 1/22/19    | 1/23/19                                                                    | Date        |
| Design/Const    | Survey        | TPW Field          | Svc's      | Utilities Op's                                                             | Traffic     |
|                 |               |                    |            | Materials Lab                                                              | Storm Water |
|                 |               |                    |            |                                                                            | By          |
|                 |               |                    |            |                                                                            | No.         |
|                 |               |                    |            |                                                                            | Date        |
| SCALE: AS SHOWN | DWN BY: LG/GL | DATE: JANUARY 2019 | CHK BY: GD | APPROVED: Deputy Director - Engineering<br>Date 1/22/19<br>By Lori Urbemek |             |

CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST

COVER SHEET

CONTRACT NO.  
C00780  
SHEET 1 OF 23  
FILE NO. 2018-0007



FULTON ROAD SHEET LAYOUT, CORE DATA LOCATIONS & HORIZONTAL SURVEY CONTROL

SHT 3 COUNTRYSIDE SHT 4 SHT 5 HALL RD

#50 #1 #2 #55 #56 #2 #3 #65 #4 #75 #74 #71 #73

OCCIDENTAL RD SAN PEDRO SAN SEBASTIAN DARLA DR WEST 3RD

North arrow pointing towards the top right.

| HORIZONTAL SURVEY CONTROL DATA |             |             |               |  |
|--------------------------------|-------------|-------------|---------------|--|
| POINT                          | NORTHING    | EASTING     | DESCRIPTION   |  |
| #50 ●                          | 1918994.886 | 6341272.874 | WELL MONUMENT |  |
| #2 ●                           | 1919346.034 | 6341241.442 | WELL MONUMENT |  |
| #55 ●                          | 1919595.214 | 6341219.149 | WELL MONUMENT |  |
| #56 ●                          | 1919870.692 | 6341196.745 | WELL MONUMENT |  |
| #65 ●                          | 1921284.427 | 6341081.722 | WELL MONUMENT |  |
| #75 ●                          | 1921817.811 | 6341038.359 | WELL MONUMENT |  |
| #74 ●                          | 1922011.047 | 6341031.971 | WELL MONUMENT |  |
| #71 ●                          | 1922271.043 | 6340958.488 | WELL MONUMENT |  |
| #73 ●                          | 1922312.727 | 6341036.631 | WELL MONUMENT |  |

| <u>STATION</u> | <u>NORTHING</u> | <u>EASTING</u> | <u>BEARING</u>  | <u>DISTANCE</u> |               |
|----------------|-----------------|----------------|-----------------|-----------------|---------------|
| 1+00           | 1918931.7784    | 6341278.5220   | N 05° 06' 50" W | 63.36'          |               |
| 1+63.36        | 1918994.8862    | 6341272.8742   | N 05° 06' 50" W | 602.73'         |               |
| 7+66.09        | 1919595.2140    | 6341219.1490   | N 04° 39' 01" W | 2229.94'        |               |
|                |                 |                | <u>DELTA</u>    | <u>RADIUS</u>   | <u>LENGTH</u> |
| 29+96.03       | 1921817.8110    | 6341038.3590   | 05° 32' 28"     | 2000.00         | 193.42'       |
|                |                 |                | <u>BEARING</u>  | <u>DISTANCE</u> |               |
| 31+89.44       | 1922011.0470    | 6341031.9710   | N 00° 53' 06" E | 347.65'         |               |
| 35+37.10       | 1922358.6606    | 6341037.3405   |                 |                 |               |

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W-1396<br>94.014 | OCCIDENTAL RD. AND FULTON RD; 5/8" STAINLESS STEEL ROD IN WELL MONUMENT, 60 FT. W/O AND 43.5 FT. S/O THE CL-CL INTERSECTION AND 6.5 FT. N/O THE SOUTHERLY F/C. 10/04 |
| E-57<br>96.468   | FULTON RD. AND SAN PEDRO DR; 2" CITY DISK IN WELL MONUMENT AT CL INTERSECTION. 10/04                                                                                 |
| E-58<br>97.009   | FULTON RD. AND SAN SEBASTIAN AVENUE; 2" CITY DISK IN WELL MONUMENT AT CL INTERSECTION. (COORDINATE MONUMENT G-269) 10/04                                             |
| E-59<br>95.348   | FULTON RD. AND DARLA DR; 3" CITY BRASS DISK IN WELL MONUMENT, AT CL INTERSECTION. (COORDINATE MONUMENT G-268) 10/04                                                  |
| E-98<br>96.179   | HALL ROAD; 78 FEET W/O FULTON ROAD; 3" CITY BRASS DISK IN WELL MONUMENT, ON CL HALL RD. (COORDINATE MONUMENT G-267) 10/04                                            |

| LEGEND                                                         |          |     |                                         |          |     |
|----------------------------------------------------------------|----------|-----|-----------------------------------------|----------|-----|
| DESCRIPTION                                                    | EXISTING | NEW | DESCRIPTION                             | EXISTING | NEW |
| WATER MAIN, PERMANENT BLOWOFF, TEE, GATE VALVE, CROSS AND BEND |          |     | GAS MAIN & GAS SERVICE & GAS VALVE      |          |     |
| FIRE HYDRANT & SERVICE ASSEMBLY                                |          |     | ELECTRICAL MH / TELEPHONE MH            |          |     |
| SINGLE WATER SERVICE (SEE PLANS FOR SIZE)                      |          |     | PACIFIC BELL TELEPHONE PULL BOX / VAULT |          |     |
| WATER MAIN, GATE VALVE, CROSS, & ELBOW                         |          |     | STREET LIGHT/ELECTRICAL CONDUIT & BOXES |          |     |
| TEMPORARY BLOWOFF, REDUCER, AND TIE-IN                         |          |     | TRAFFIC SIGNAL PULL BOX                 |          |     |
| IRRIGATION CONTROL VALVE BOX & SERVICE                         |          |     | STREET LIGHT & TRAFFIC SIGNAL           |          |     |
| SEWER MAIN, MANHOLE & CLEAN OUT                                |          |     | JOINT POLE AND GUY ANCHOR               |          |     |
| SEWER LATERAL & CLEAN OUT                                      |          |     | OVERHEAD UTILITIES                      |          |     |
| STORM DRAIN, MANHOLE & CATCH BASIN                             |          |     | SURVEY CONTROL POINT & SURVEY MONUMENT  |          |     |
| END CAP OR PLUG                                                |          |     | STREET SIGN & STREET ADDRESS            |          |     |
| EXISTING BACK FLOW / VALVE                                     |          |     | FENCE & PARKING METER                   |          |     |
| FIBER OPTIC LINES / NO. 5 PULL BOX                             |          |     | SECTION                                 |          |     |
|                                                                |          |     | NEW PAVING AREA / CONFORM GRIND         |          |     |



**INTERSECTIONS AT OCCIDENTAL RD.  
AND W. THIRD TO BE 1.58' HMA**



City of  
Santa Rosa

[illegible]

CHK BY: GD

APPROVED: Deputy Director – Engineering

Lori Urbanek

**FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST**

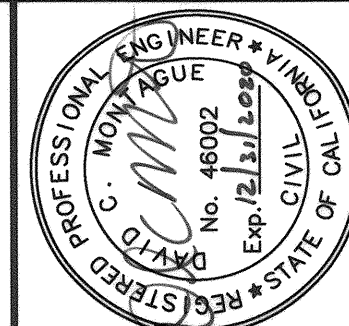
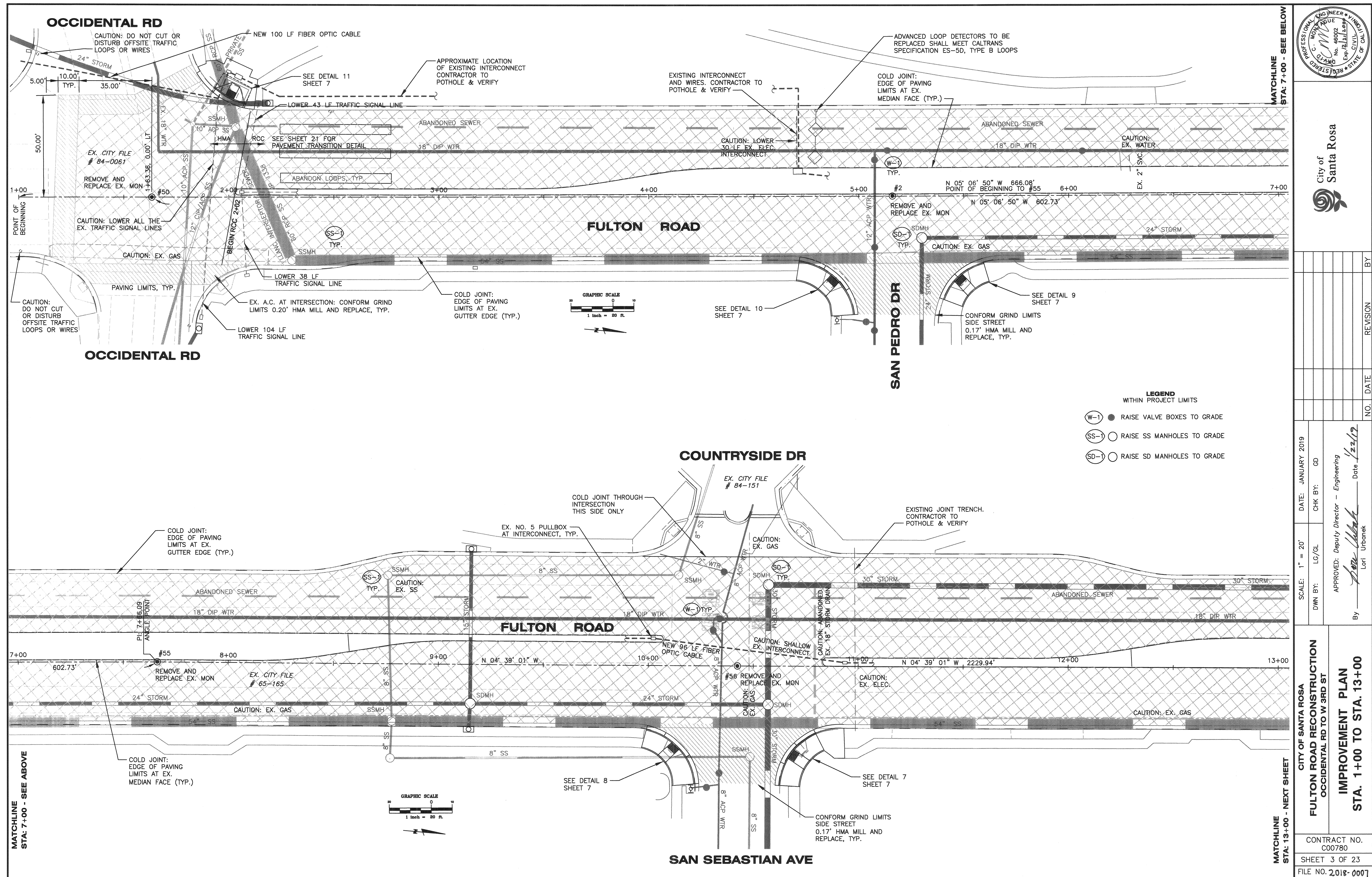
## PHYSICAL SECTIONS, LEGEND & SURVEY DATA

CONTRACT NO.  
C00780

SHEET 2 OF 23

FILE NO. 2018-0007





City of  
Santa Rosa

[illegible]

By \_\_\_\_\_ Date 1/22/19  
 Lori Urbanek

APPROVED: Don Urbanek Deputy Director – Engineering

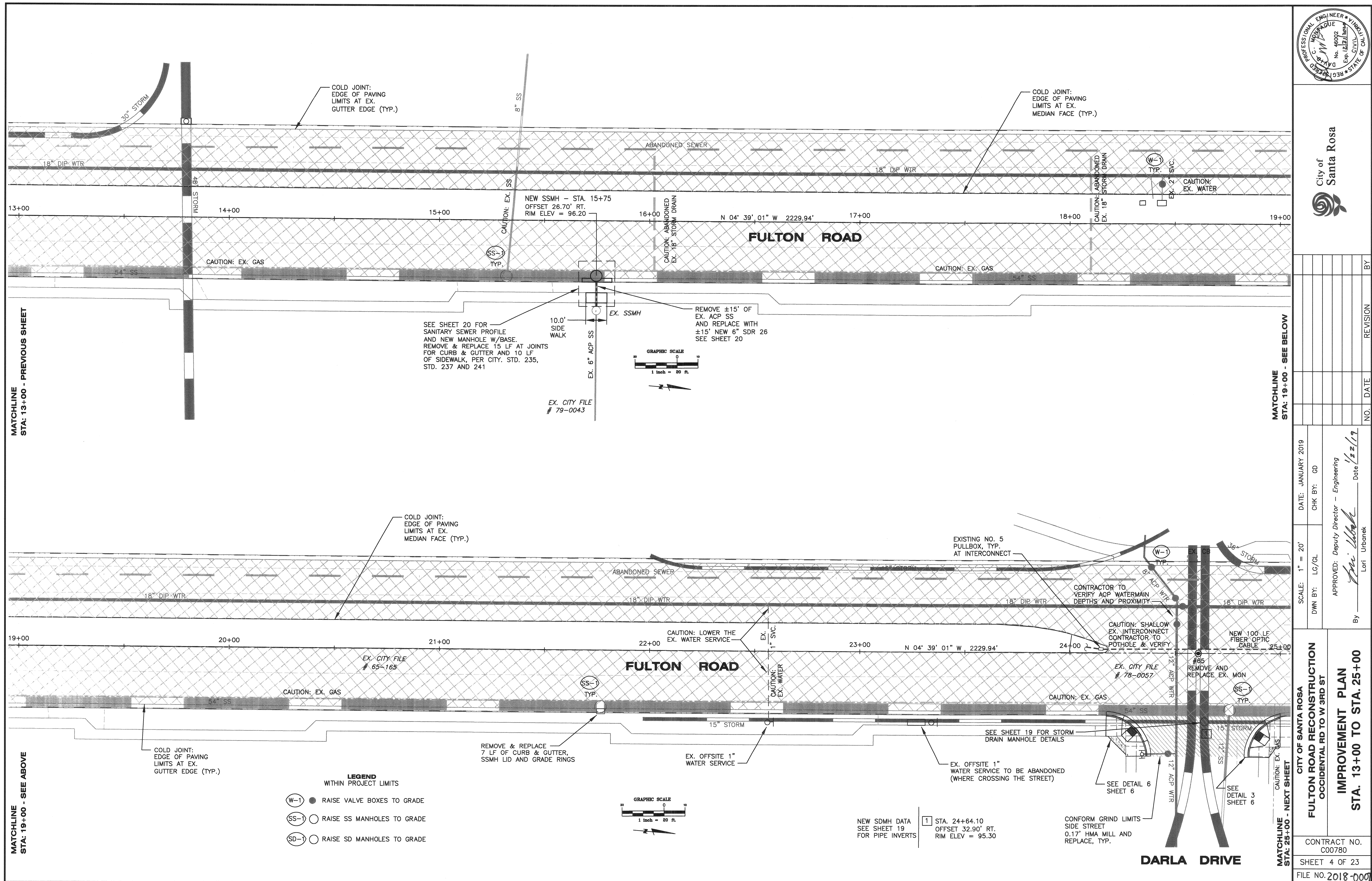
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| SCALE: 1" = 20' | DATE: JANUARY 2019 |
| DWN BY: LG/GL   | CHK BY: GD         |

**CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST**

**IMPROVEMENT PLAN**  
**STA. 1+00 TO STA. 13+00**

|                        |
|------------------------|
| CONTRACT NO.<br>C00780 |
| SHEET 3 OF 23          |
| FILE NO. 2018-0007     |

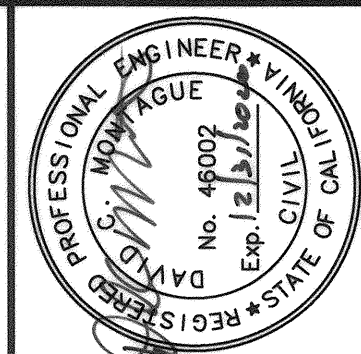












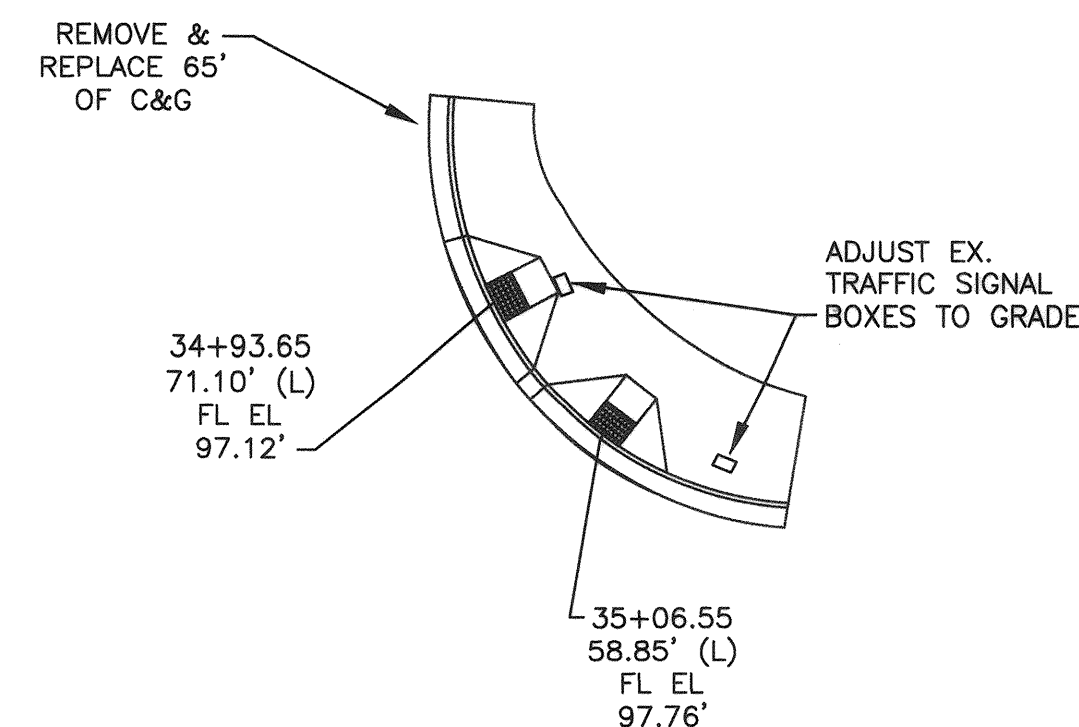
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DATE: JANUARY 2019  
CHK BY: GD  
SCALE: 1" = 20'  
DWN BY: LG/GL  
APPROVED: Deputy Director - Engineering  
By: *Lori Urbanek* Date: 1/22/19  
Lori Urbanek

CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST  
CURB RETURN IMPROVEMENTS

CONTRACT NO.  
C00780  
SHEET 6 OF 23  
FILE NO. 2018-0007

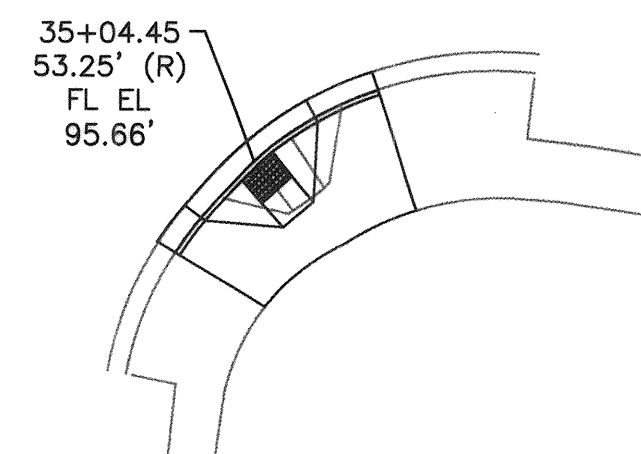
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600 SF PCC



1 HALL & FULTON (NORTHWEST CORNER)  
1"=20'



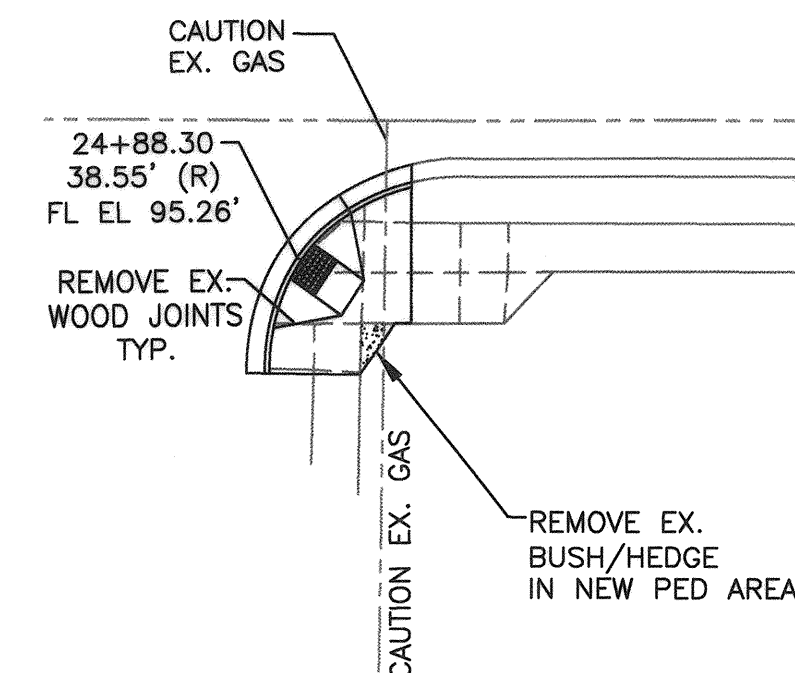
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2 WEST 3RD & FULTON (NORTHEAST CORNER)  
1"=20'



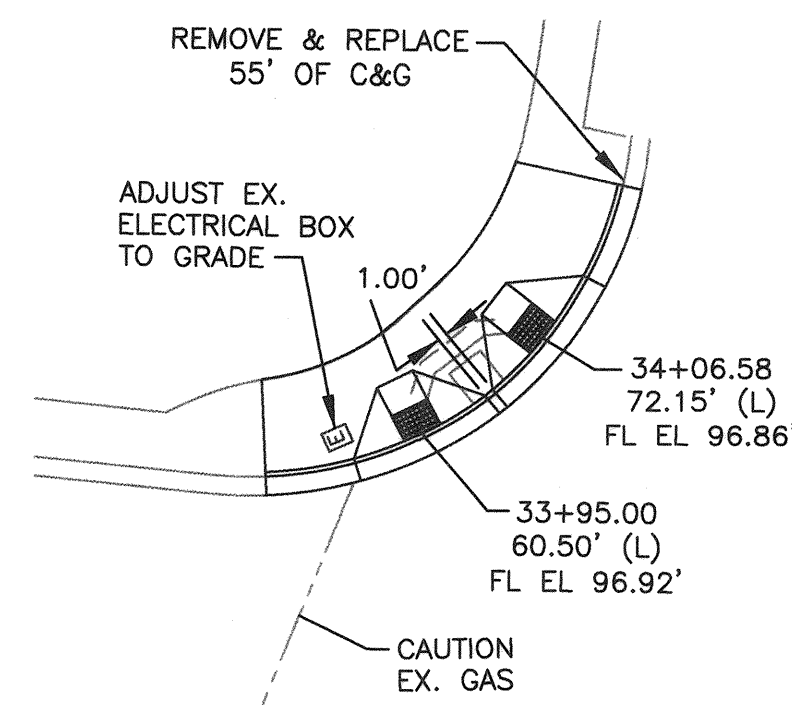
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3 DARLA & FULTON (NORTH CORNER)  
1"=20'



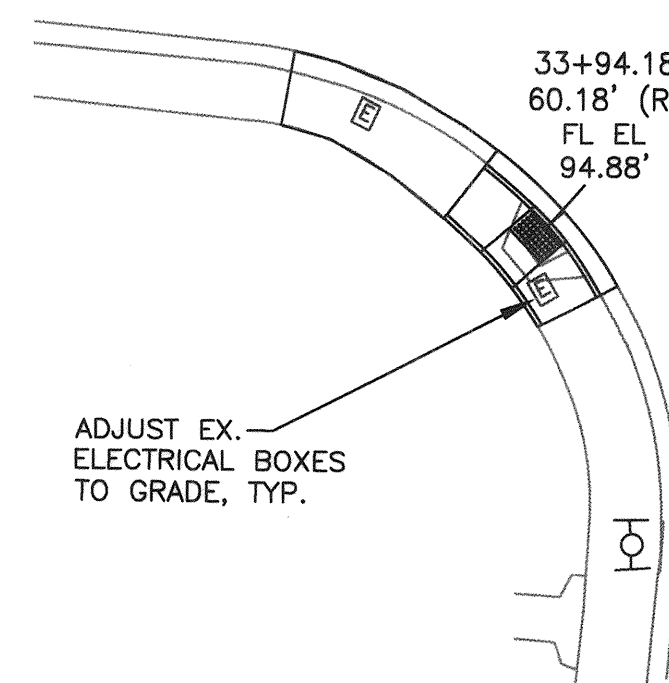
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4 HALL & FULTON (SOUTHWEST CORNER)  
1"=20'



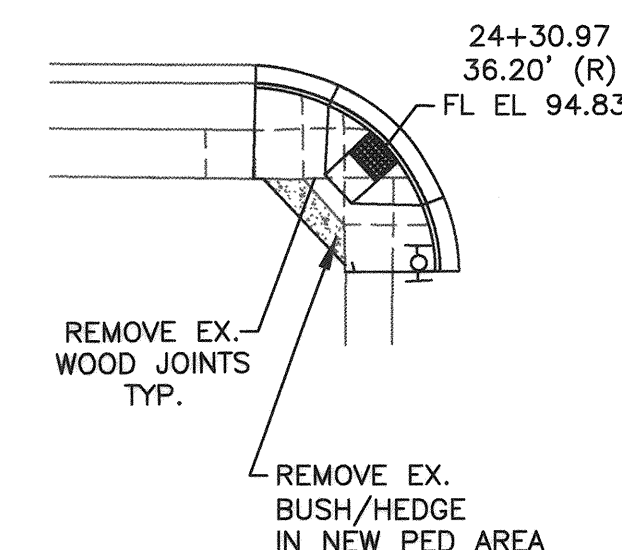
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5 WEST 3RD & FULTON (SOUTHEAST CORNER)  
1"=20'



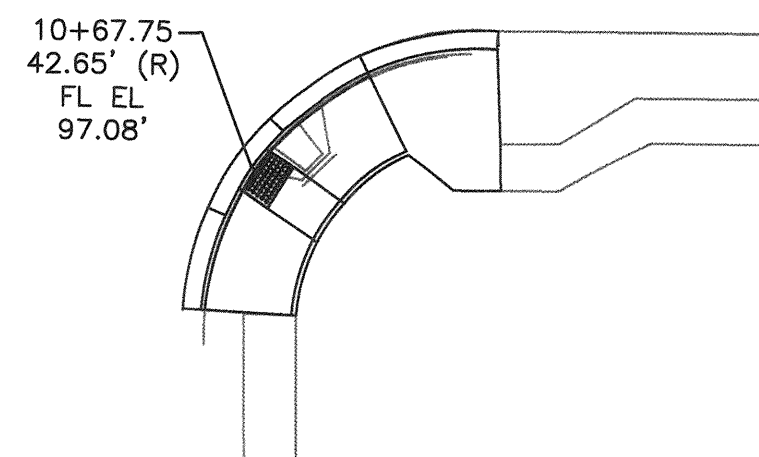
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6 DARLA & FULTON (SOUTH CORNER)  
1"=20'

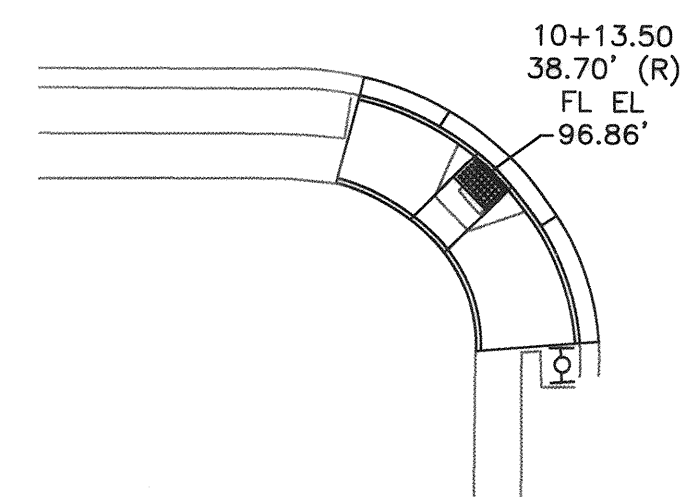
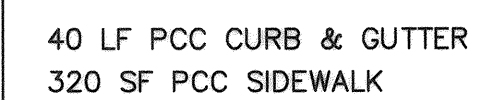




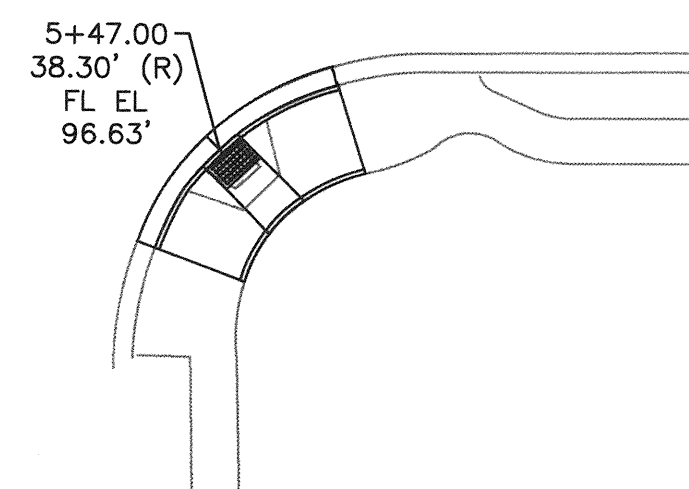
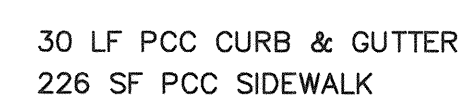


7 SAN SEBASTIAN & FULTON (NORTH CORNER) 1"=20'

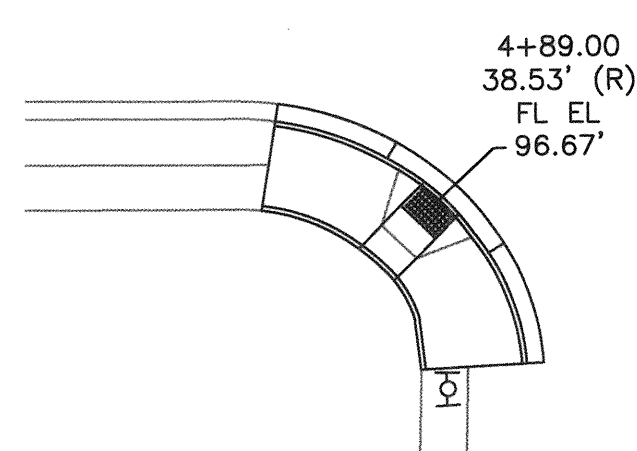
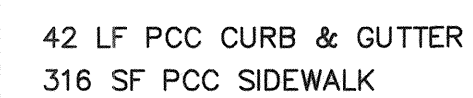
1"=20'



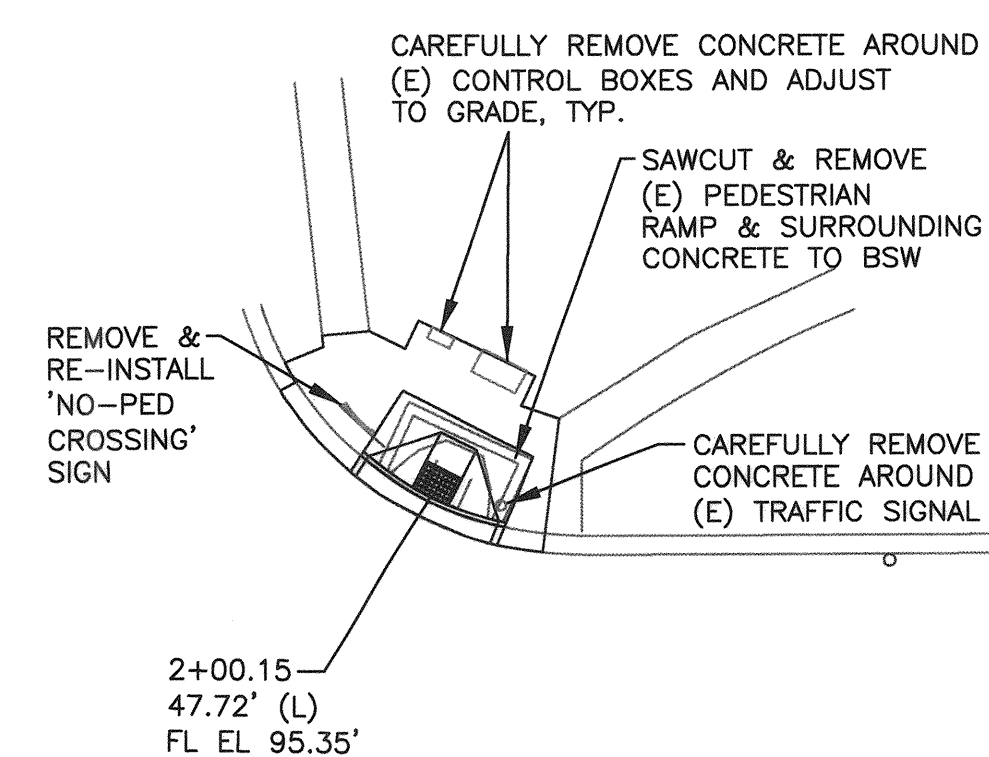
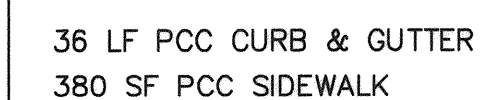
8 SAN SEBASTIAN & FULTON (SOUTH CORNER) 1"=20'

 $1''=20'$ 

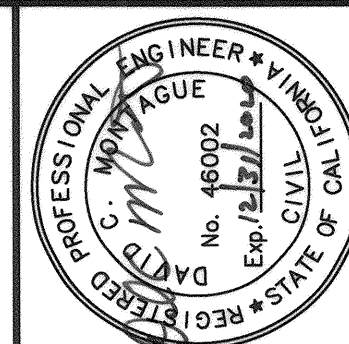
9 SAN PEDRO & FULTON (NORTH CORNER) 1"=20'

 $1''=20'$ 

**10 SAN PEDRO & FULTON (SOUTH CORNER)** 1"=20'

 $1''=20'$ 

11 OCCIDENTAL & FULTON (NORTHWEST CORNER) 1"=20'

 $1'' = 20'$ 

City of  
Santa Rosa

|  |  |  |  |  |    |
|--|--|--|--|--|----|
|  |  |  |  |  | 20 |
|  |  |  |  |  | 20 |
|  |  |  |  |  | 16 |
|  |  |  |  |  | 9  |

|                 |                    |
|-----------------|--------------------|
| SCALE: 1" = 20' | DATE: JANUARY 2019 |
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| DWN BY: | LG/GL | CHK BY: | GD |
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APPROVED: Deputy Director – Engineering

By Ami Ubah Date 1/22/17  
| ori | Urbanek

**CITY OF SANTA ROSA**  
**FULTON ROAD RECONSTRUCTION**  
**OCCIDENTAL RD TO W 3RD ST**

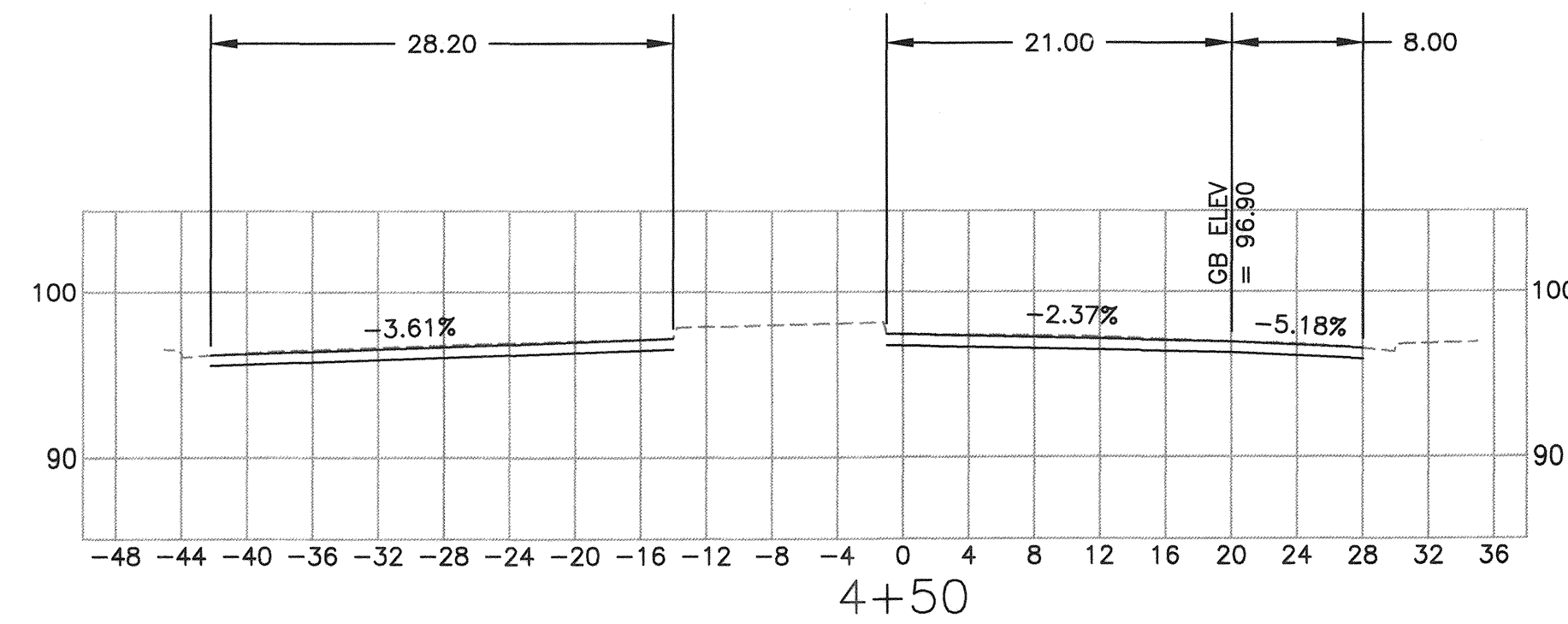
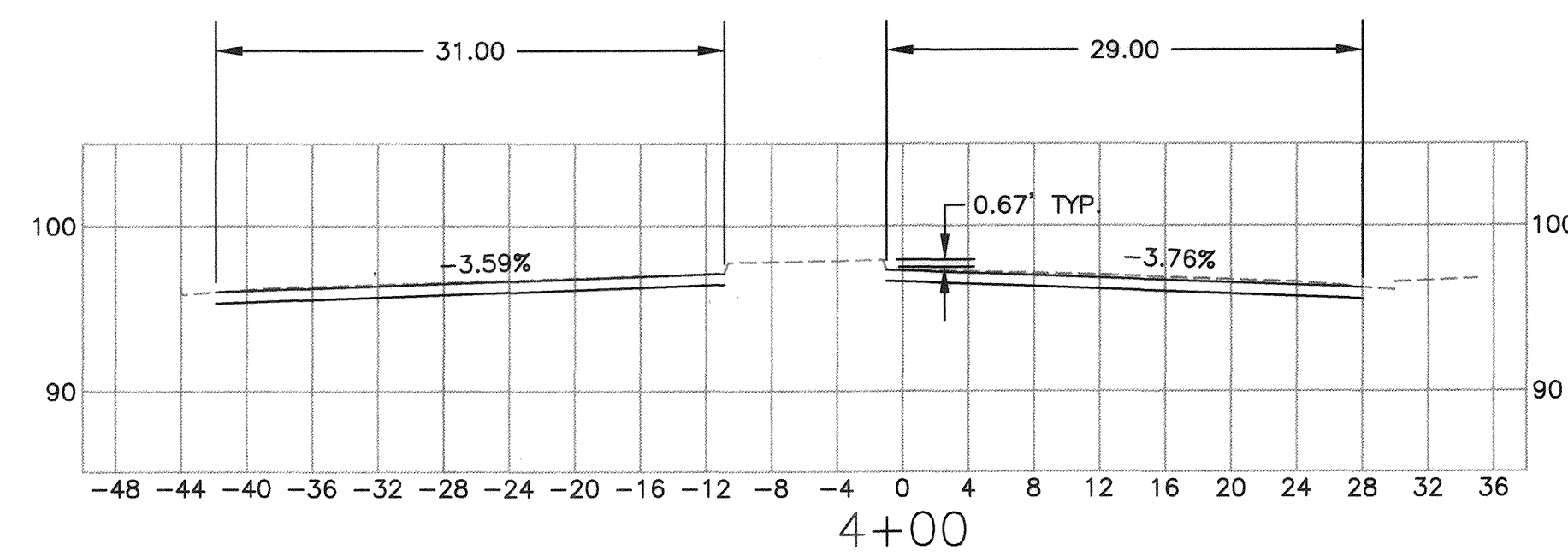
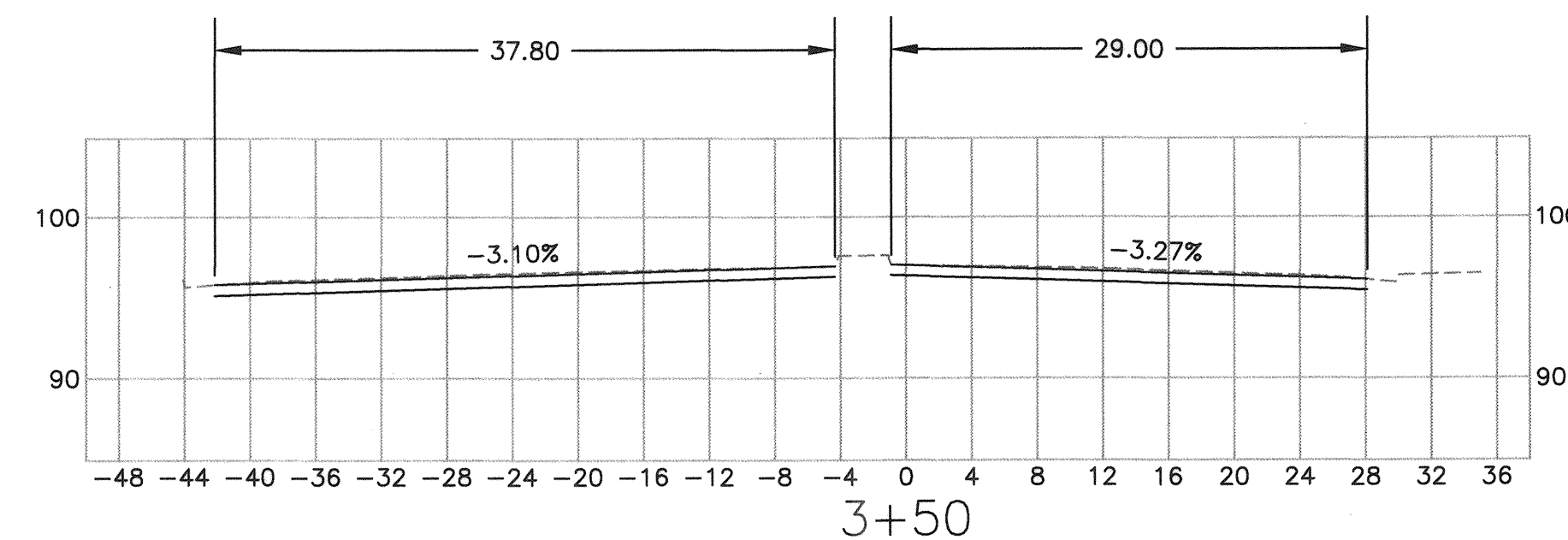
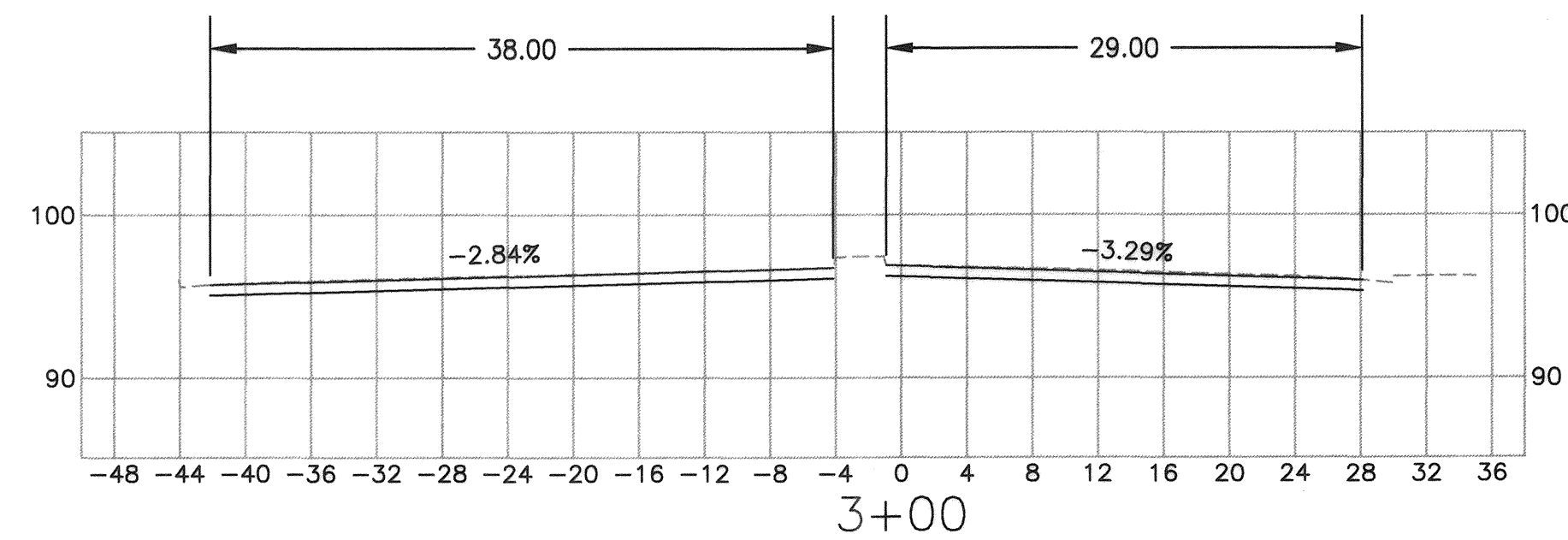
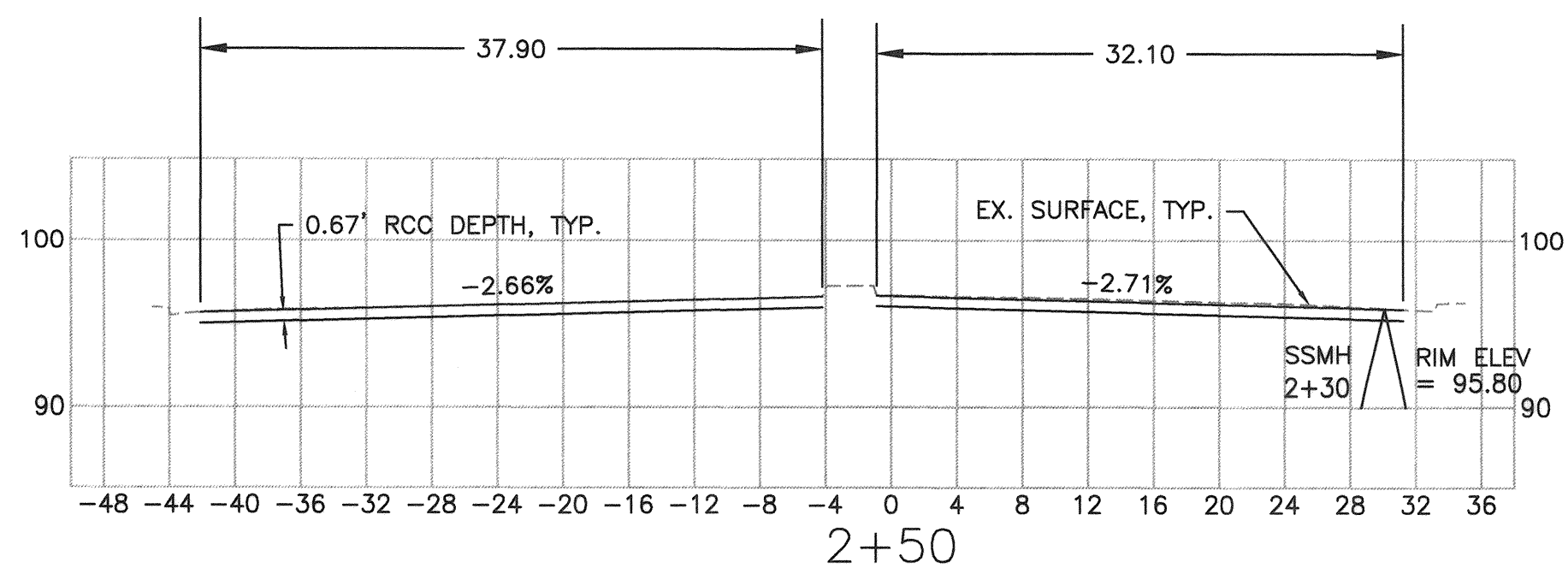
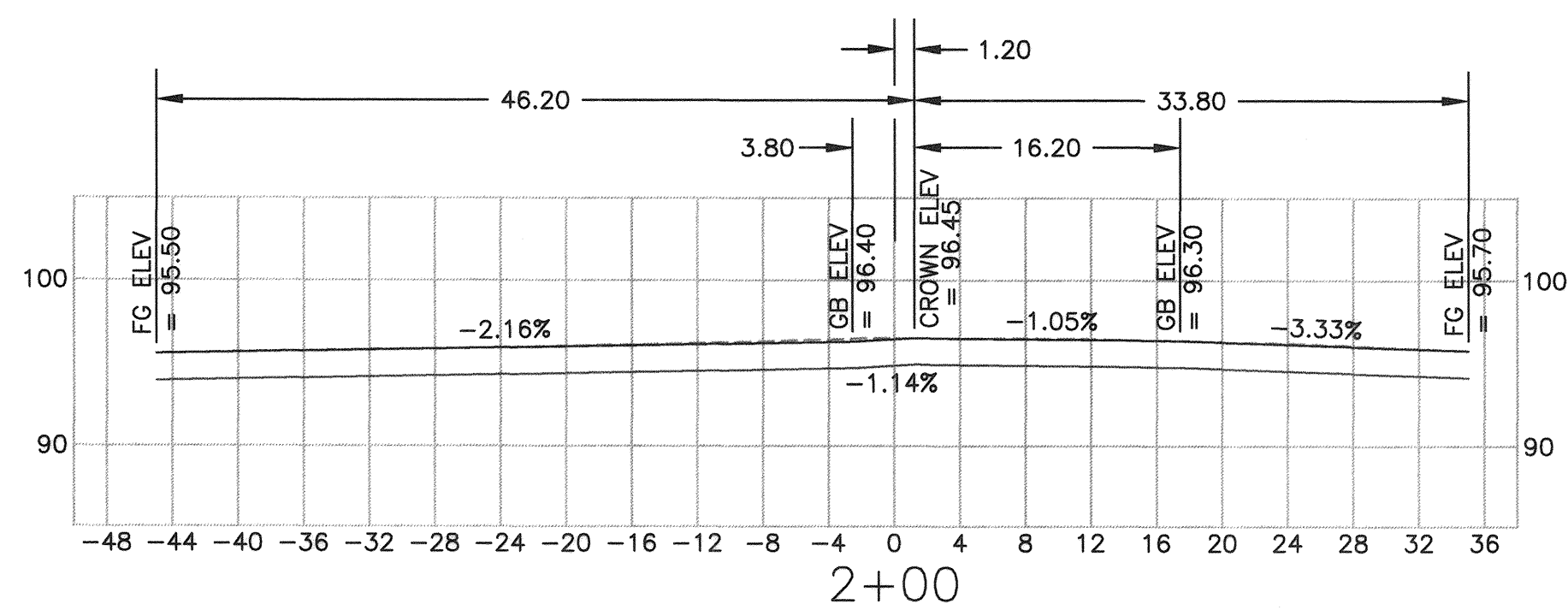
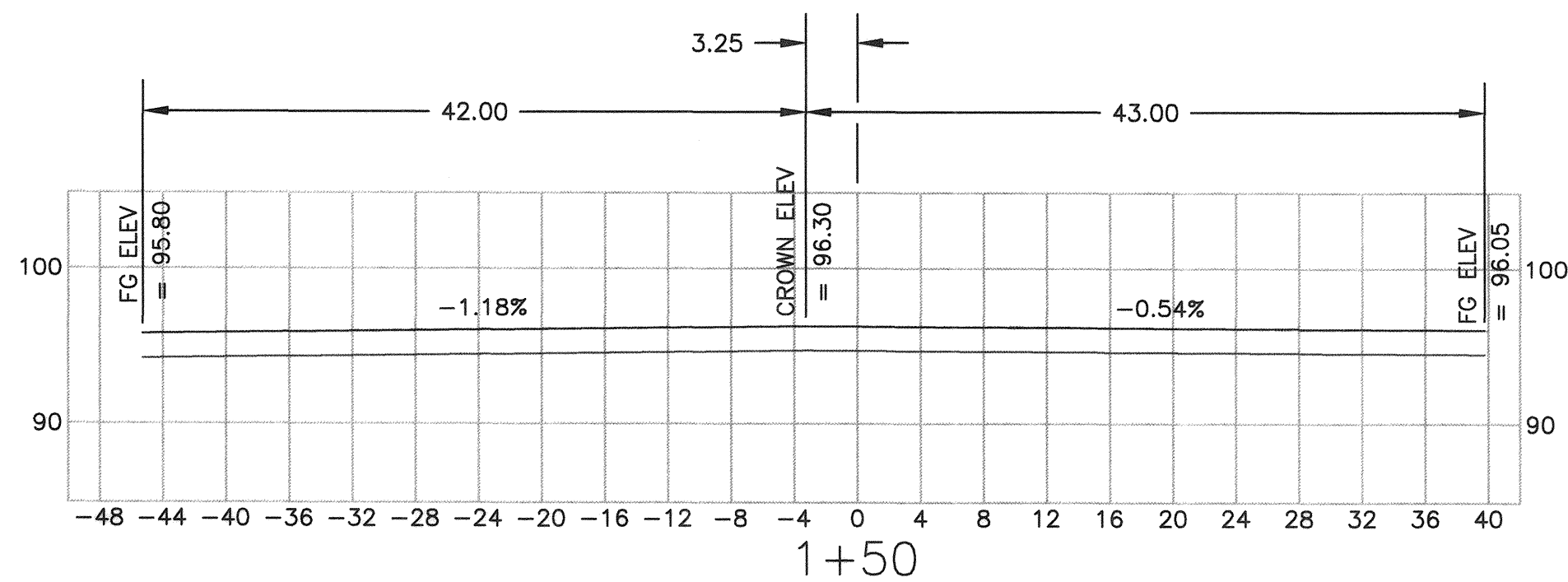
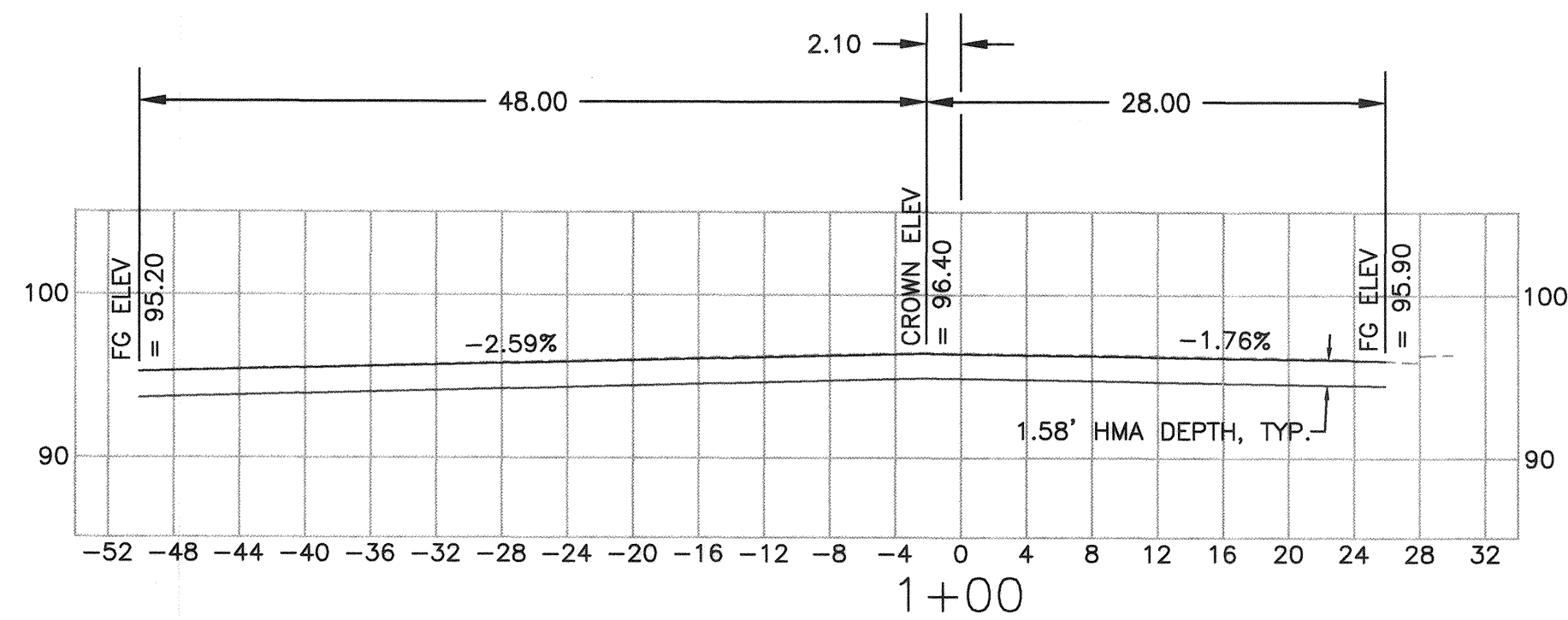
## CURB RETURN IMPROVEMENTS

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| CONTRACT NO. |  |
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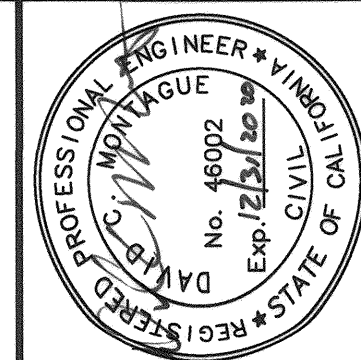
SHEET 7 OF 23

FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



City of  
 Santa Rosa

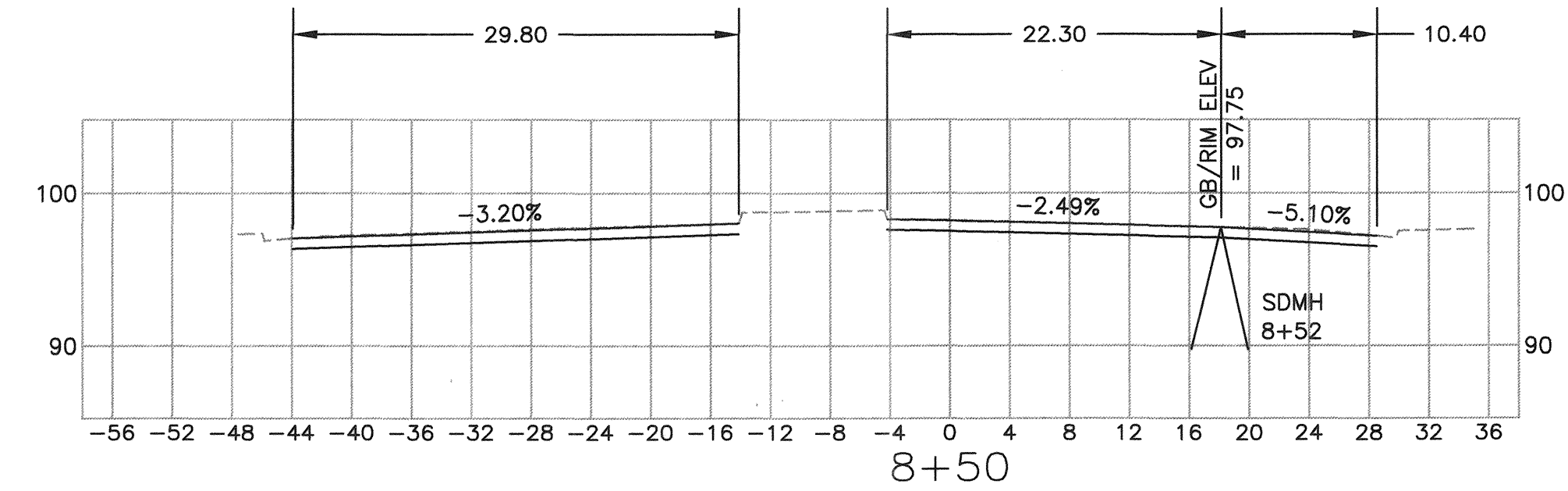
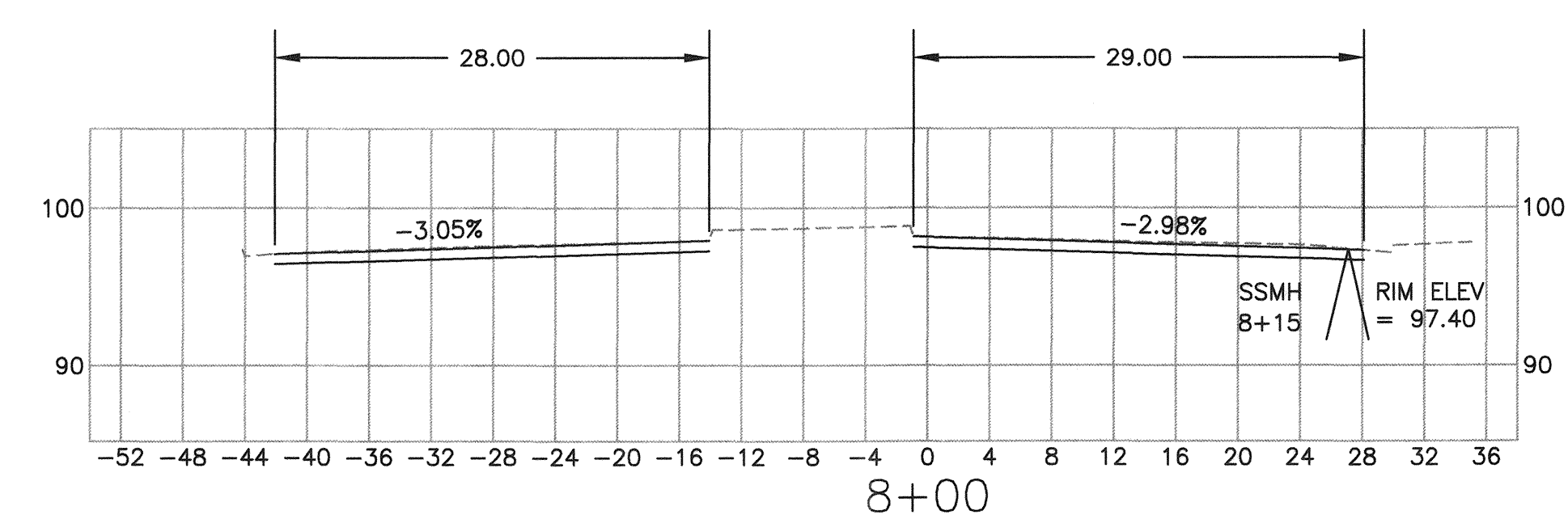
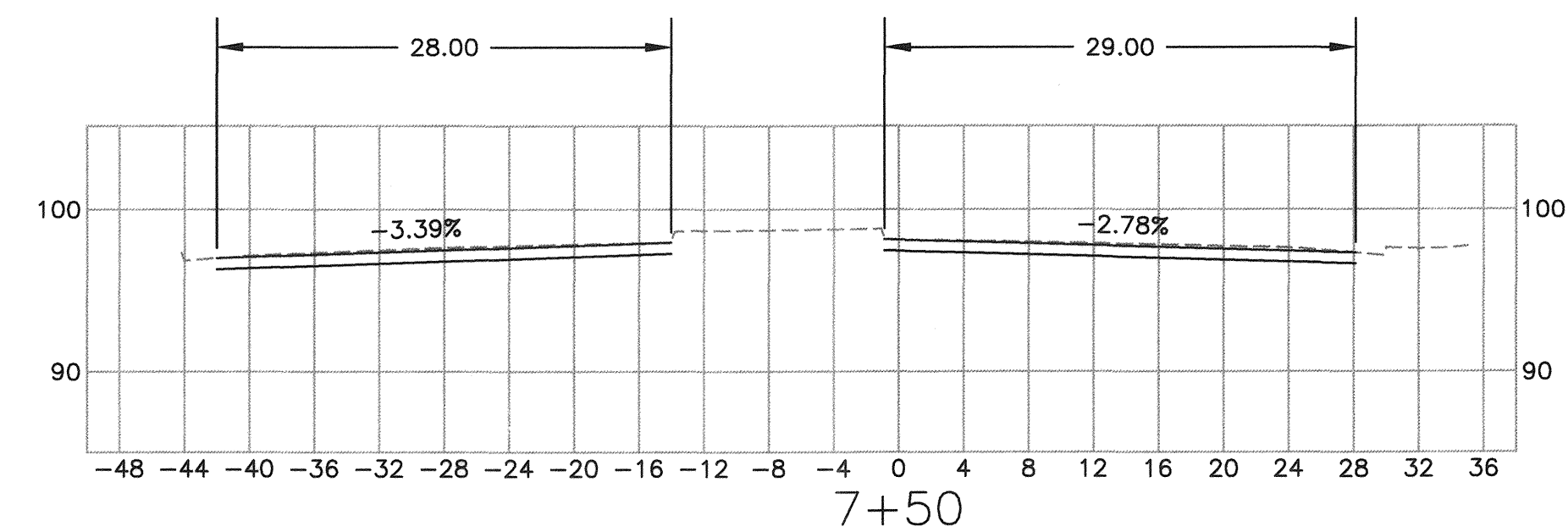
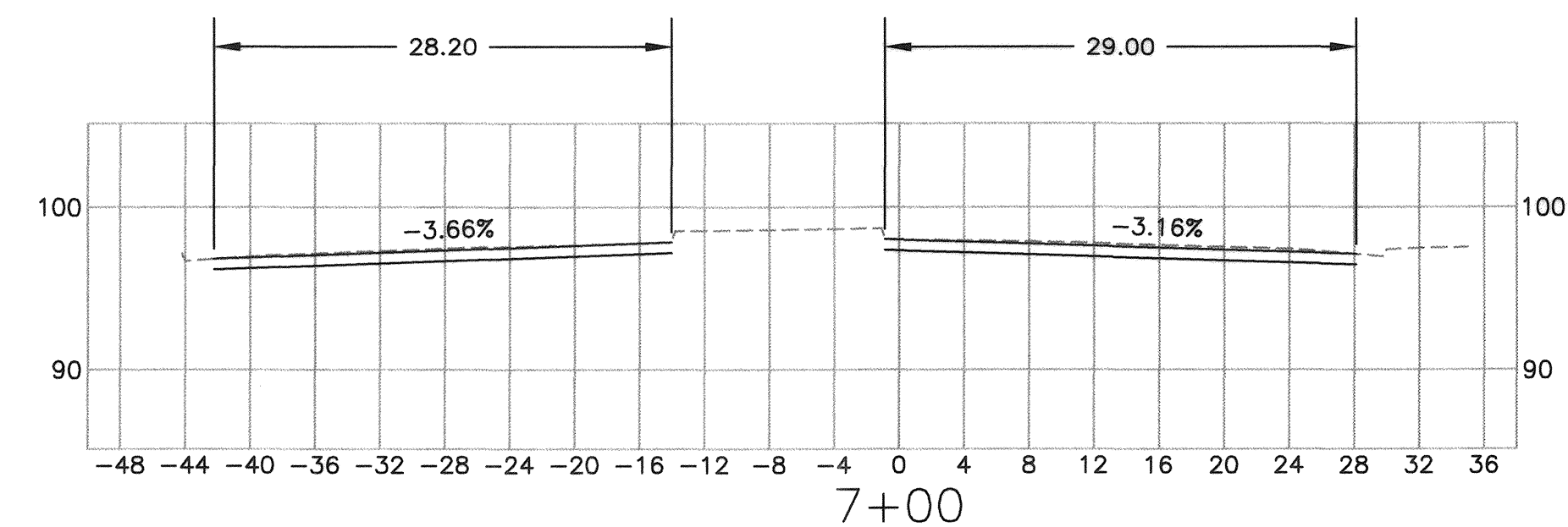
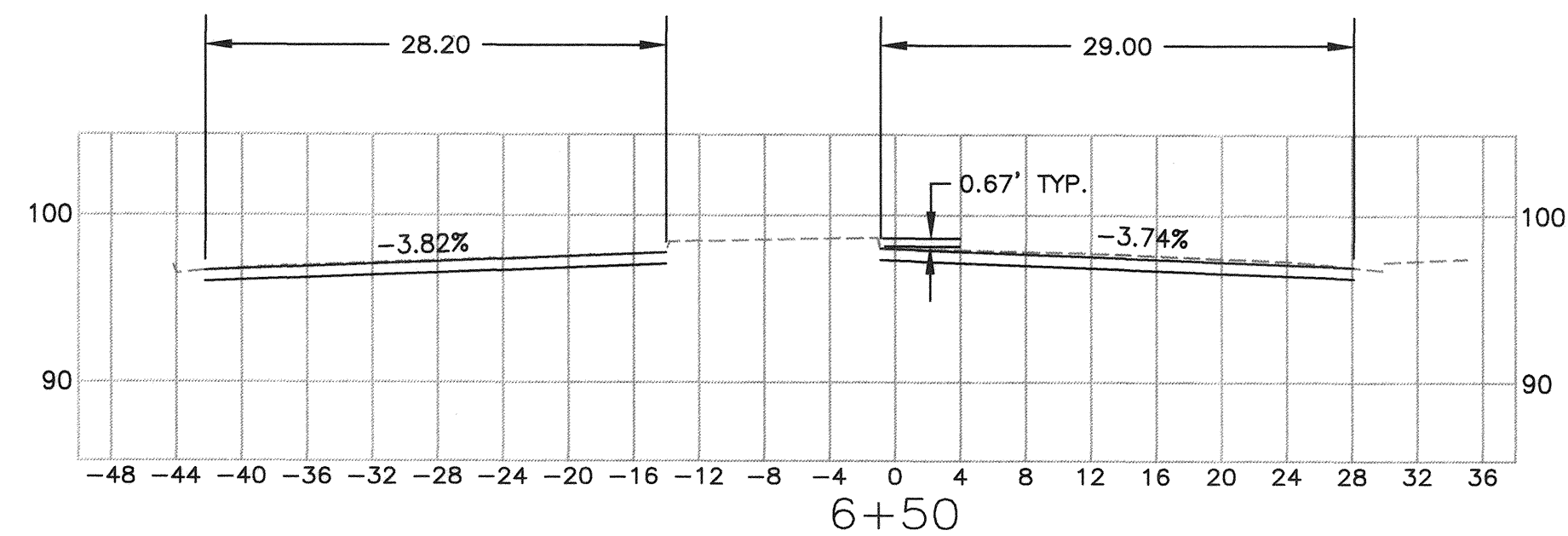
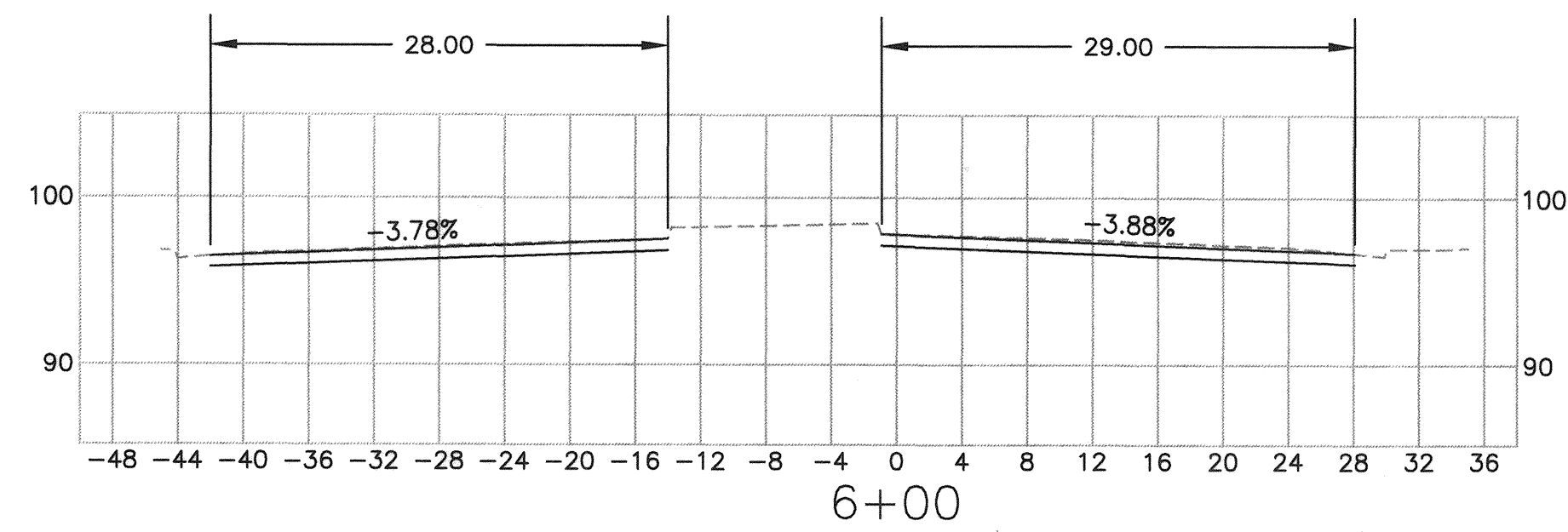
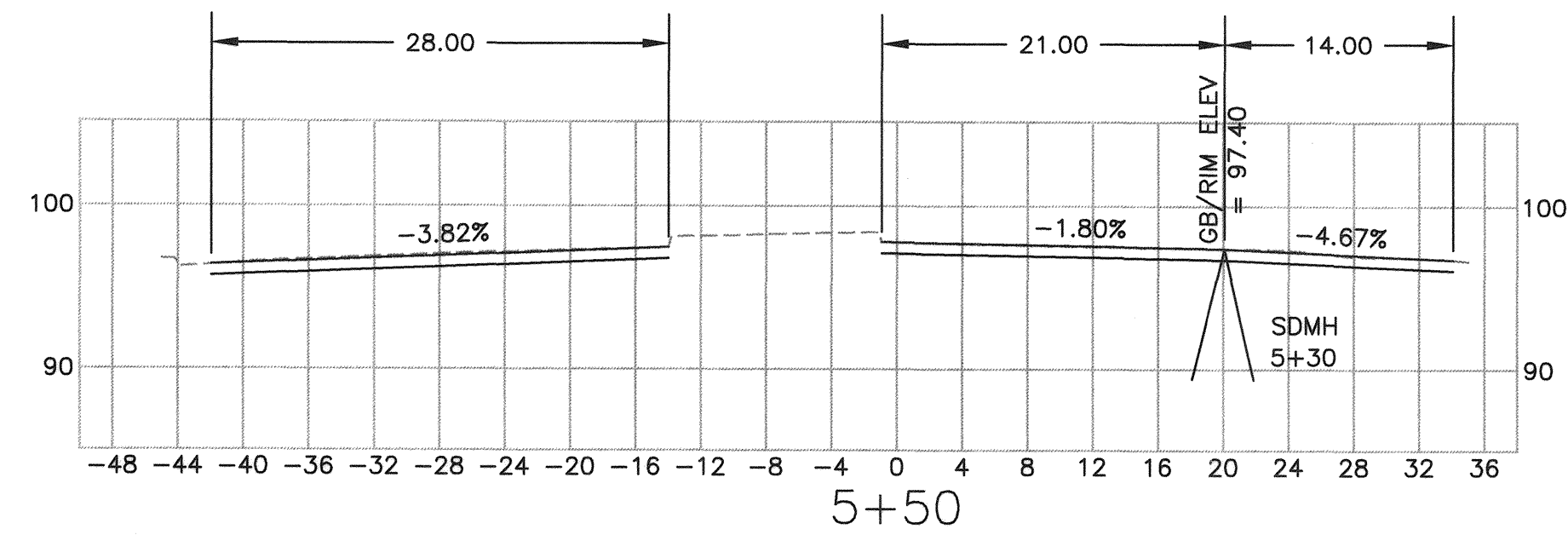
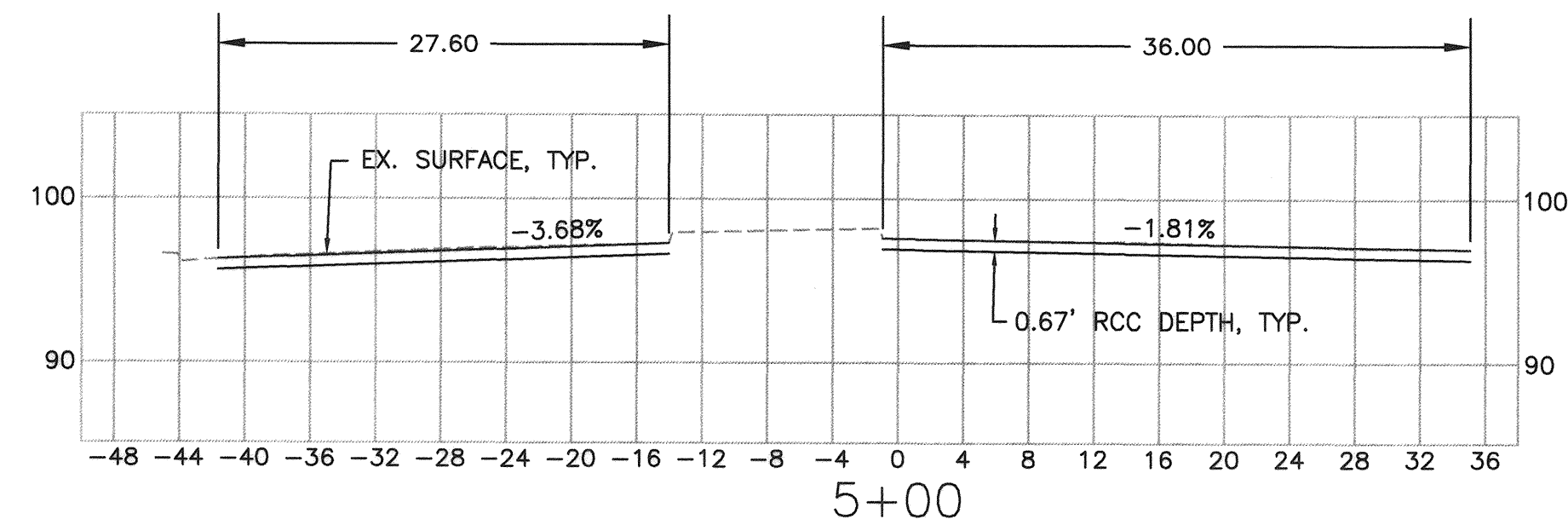
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SCALE: AS SHOWN  
 DATE: JANUARY 2019  
 DWN BY: LG/GL  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbanek* Date: 1/24/19  
 Lori Urbanek

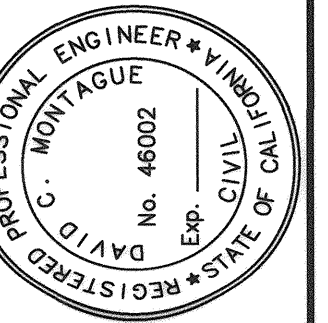
CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 1+00 - 4+50

CONTRACT NO.  
 C00780  
 SHEET 8 OF 23  
 FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



City of  
 Santa Rosa

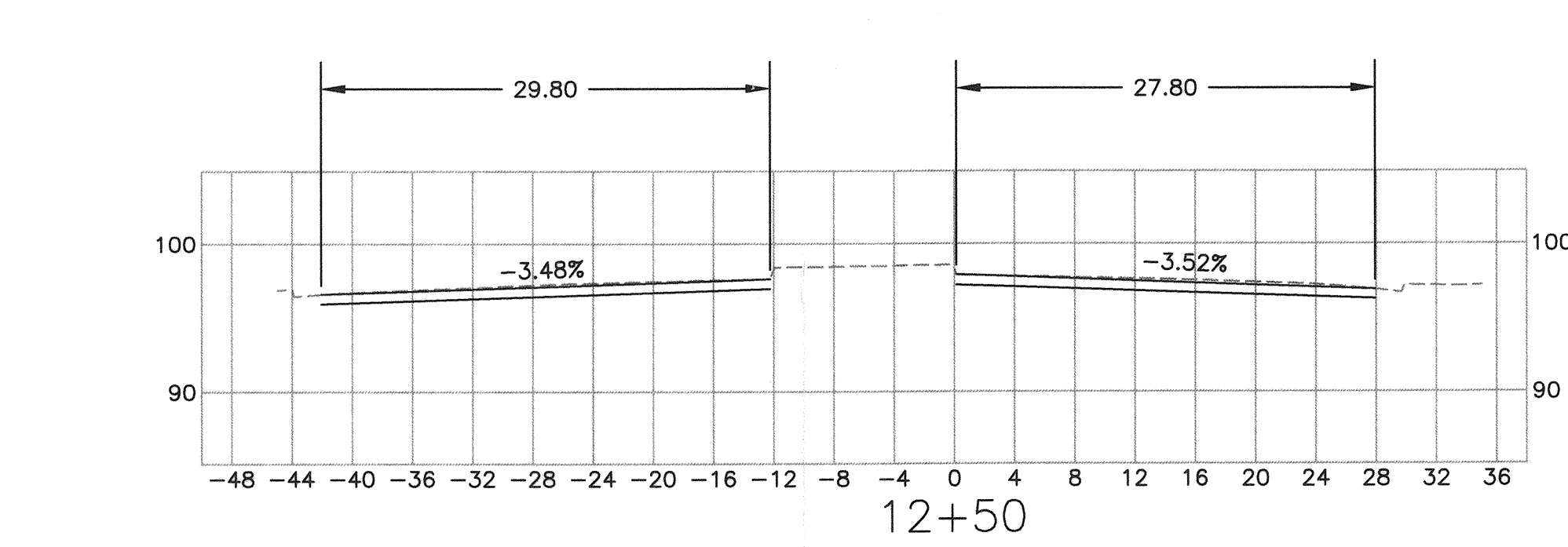
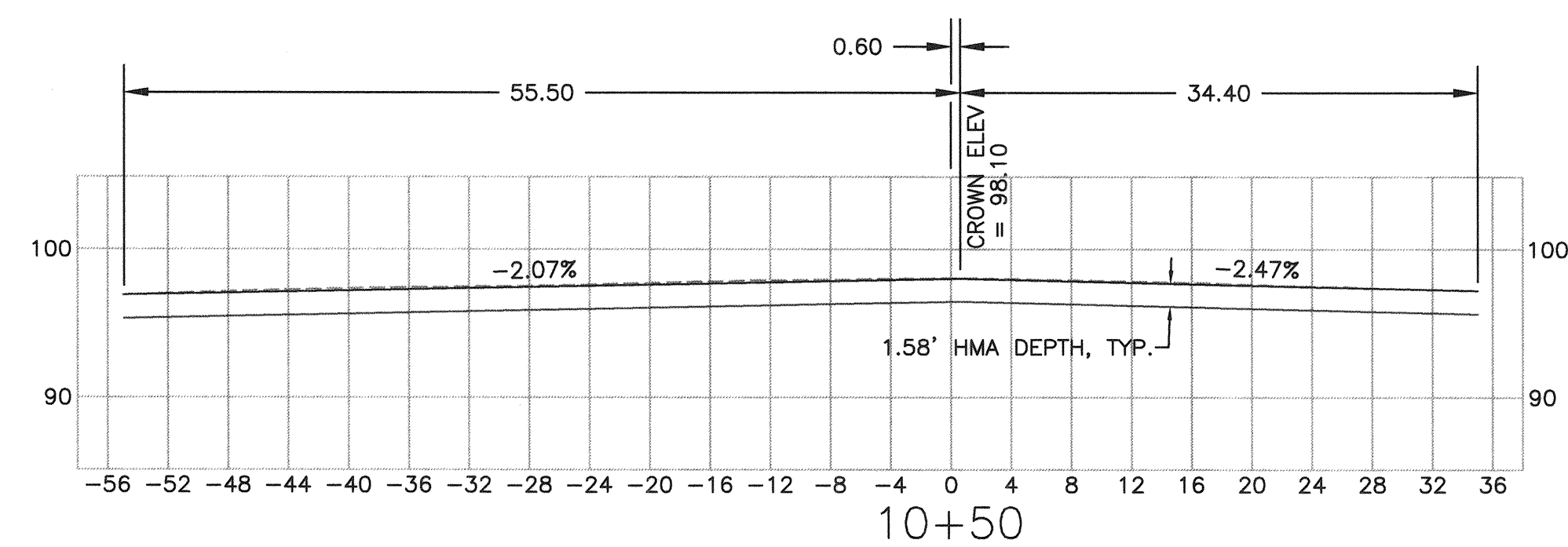
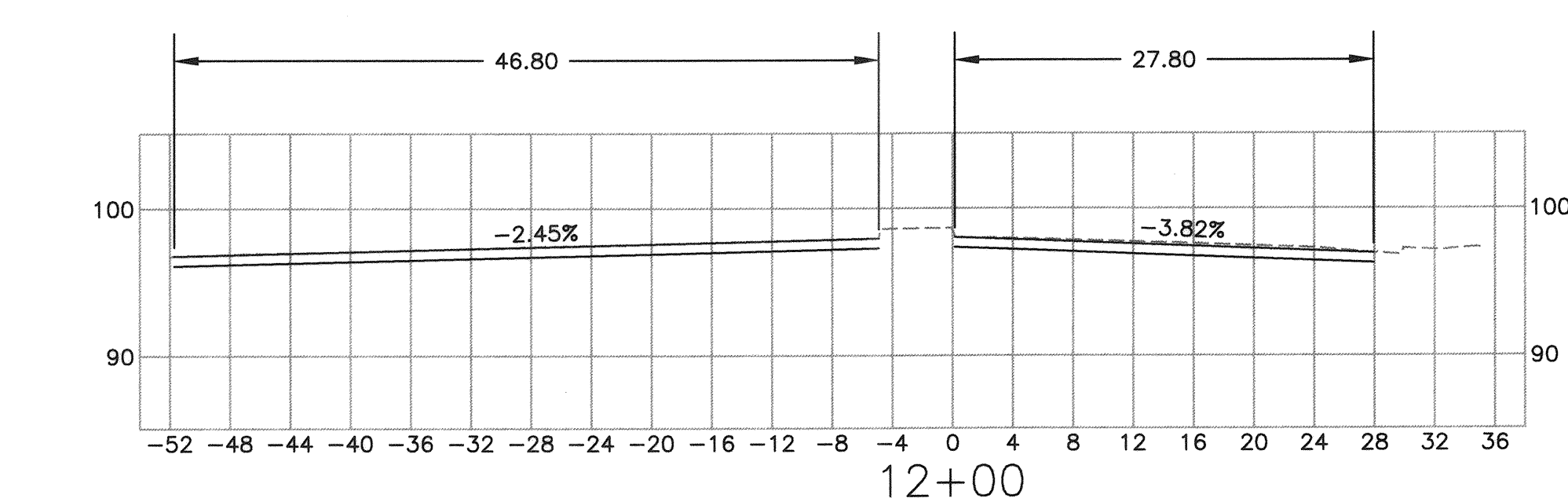
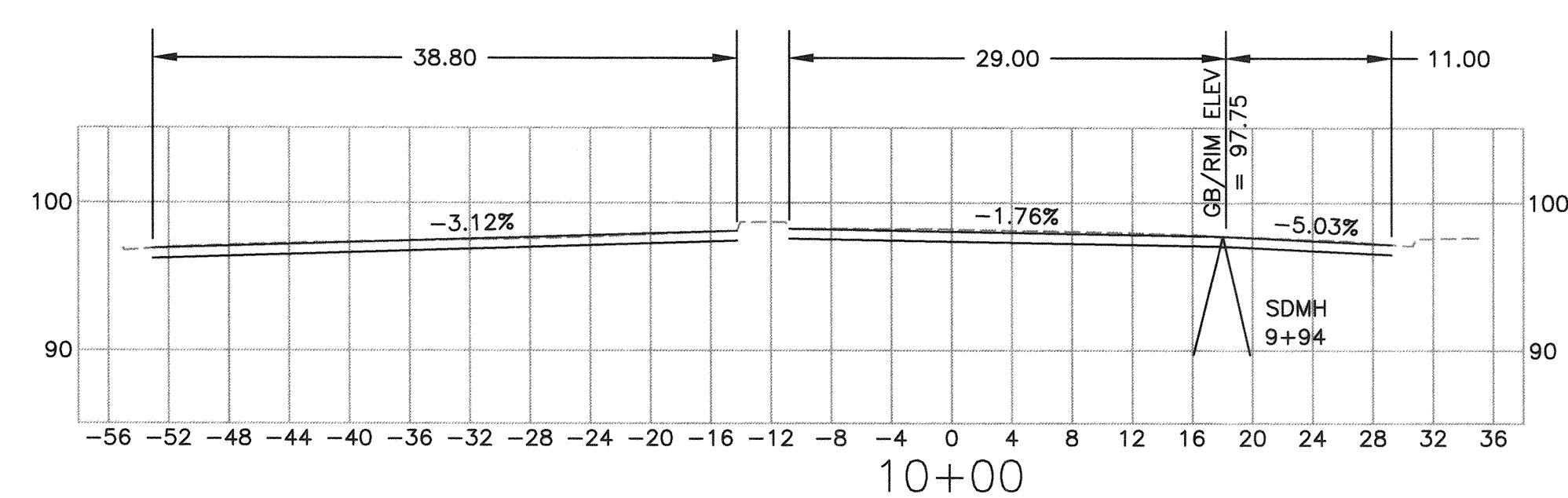
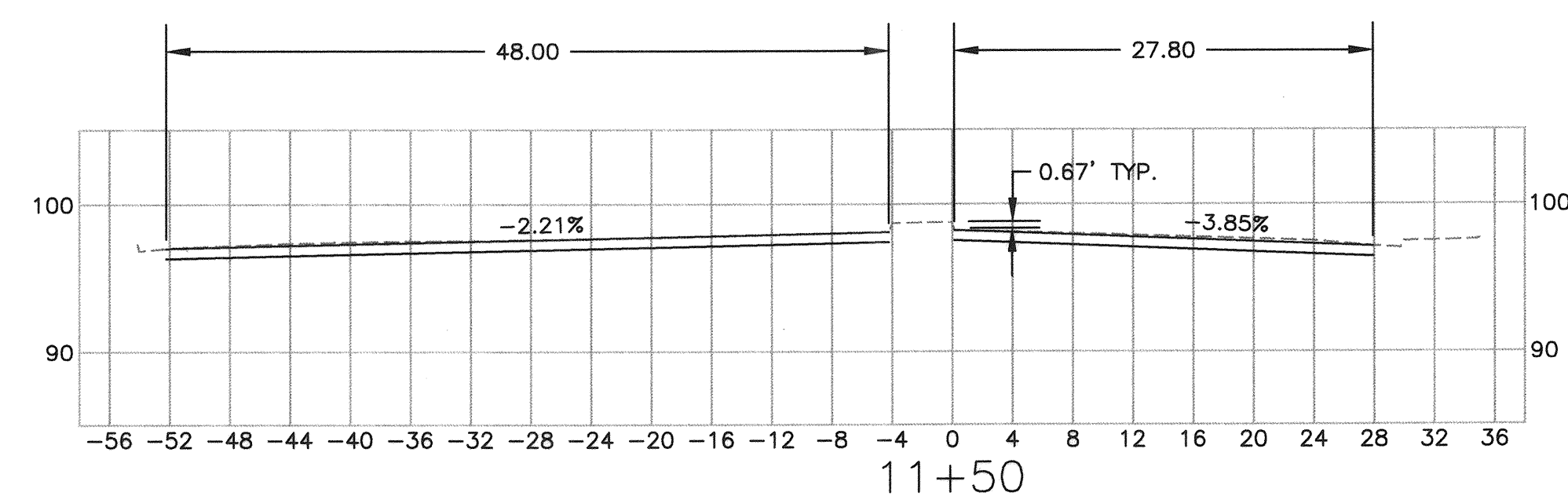
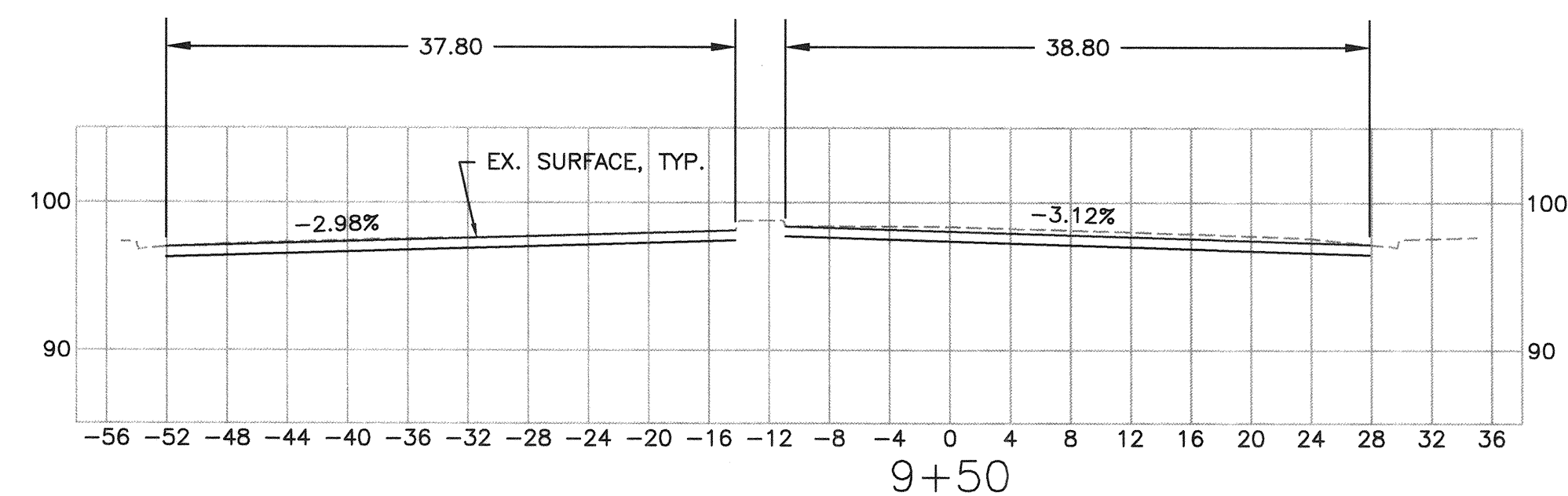
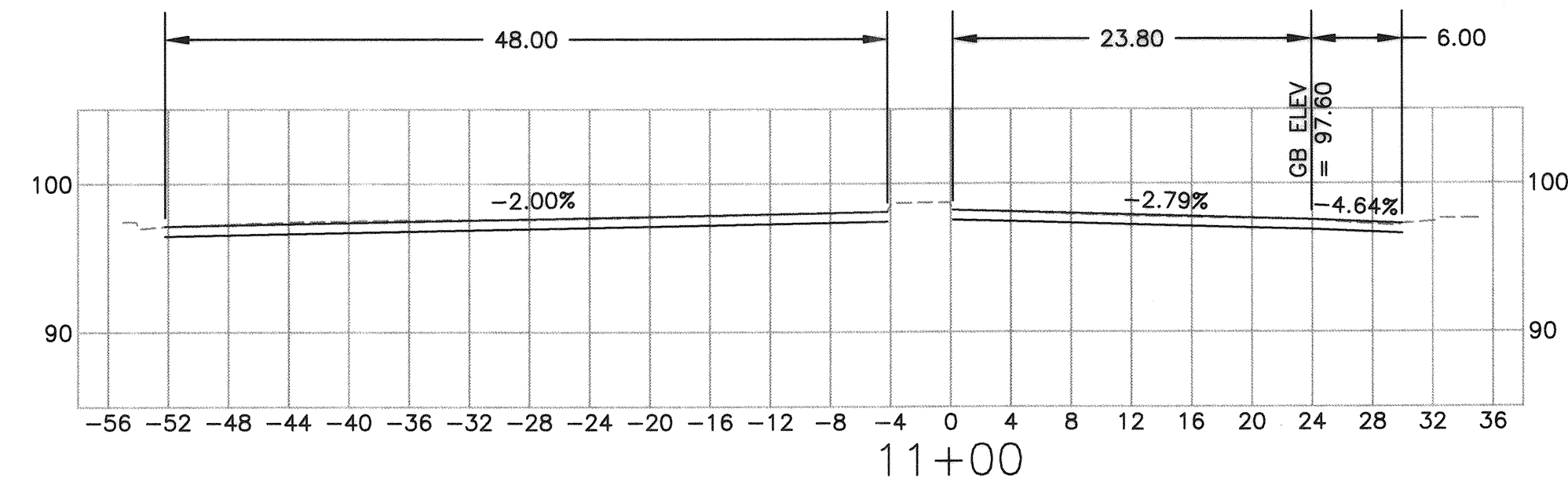
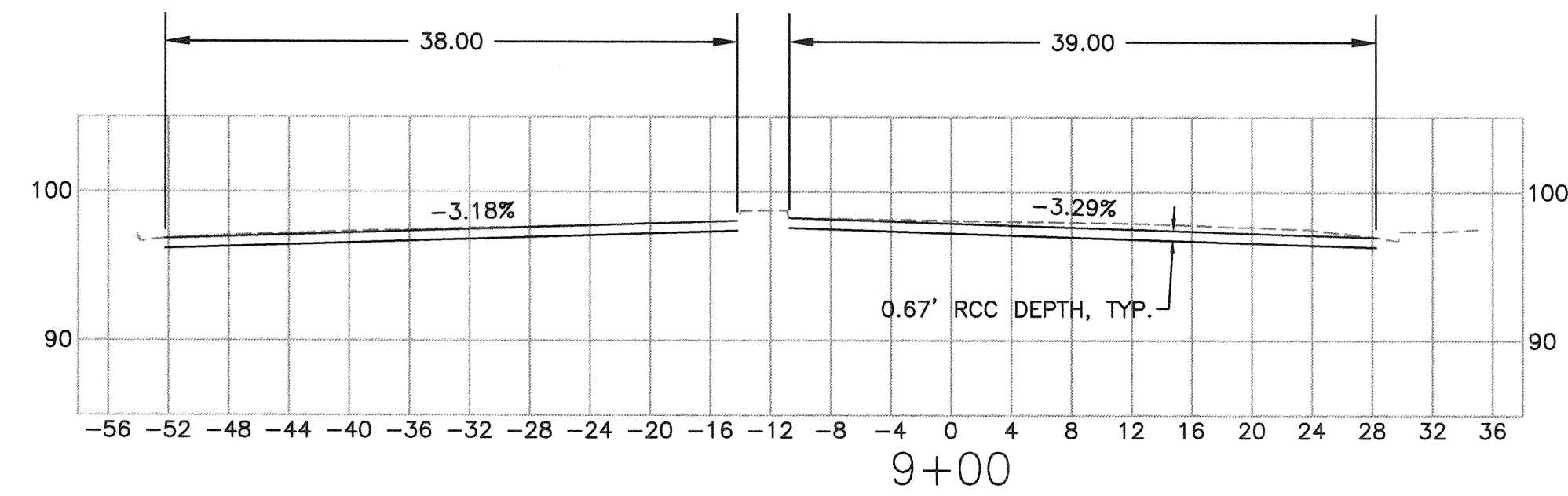
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SCALE: AS SHOWN  
 DATE: JANUARY 2019  
 DWN BY: LG/GL  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbaneck* Date: 1/22/19  
 Lori Urbaneck

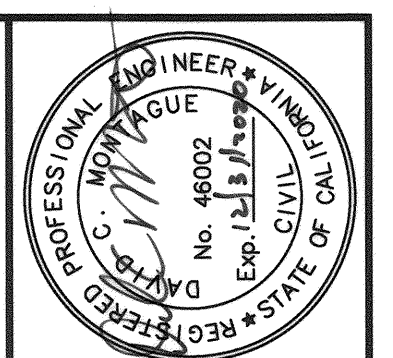
CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 5+00 - 8+50

CONTRACT NO.  
 C00780  
 SHEET 9 OF 23  
 FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



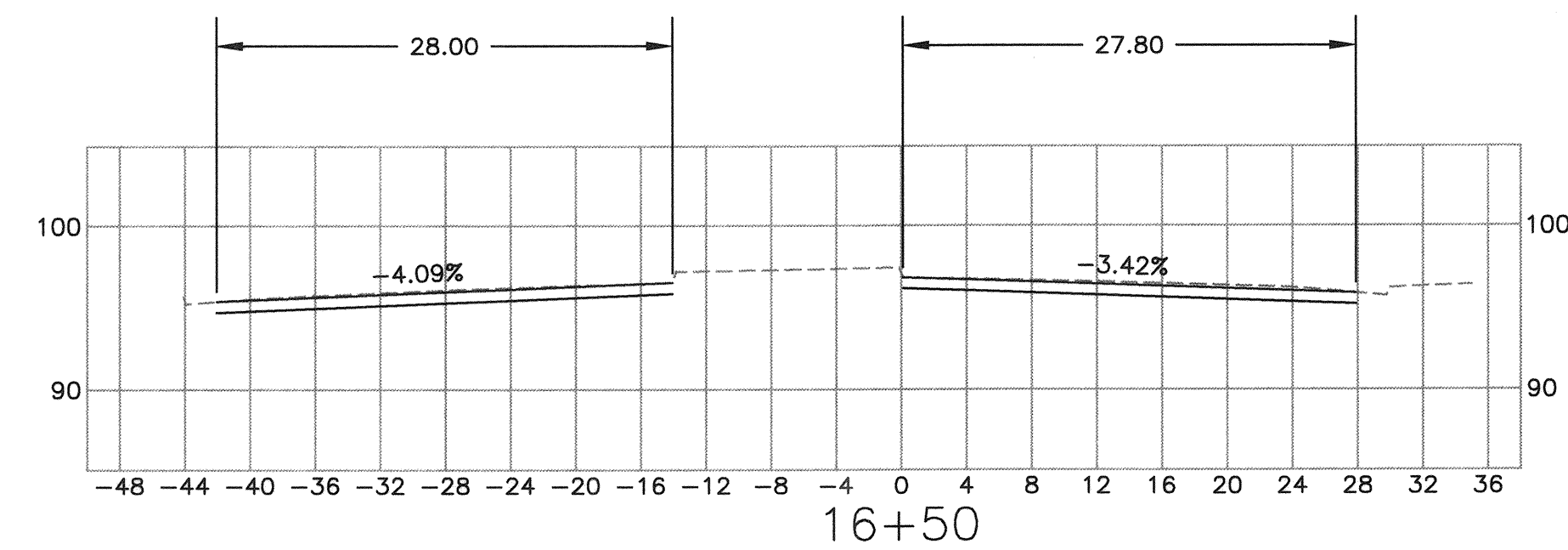
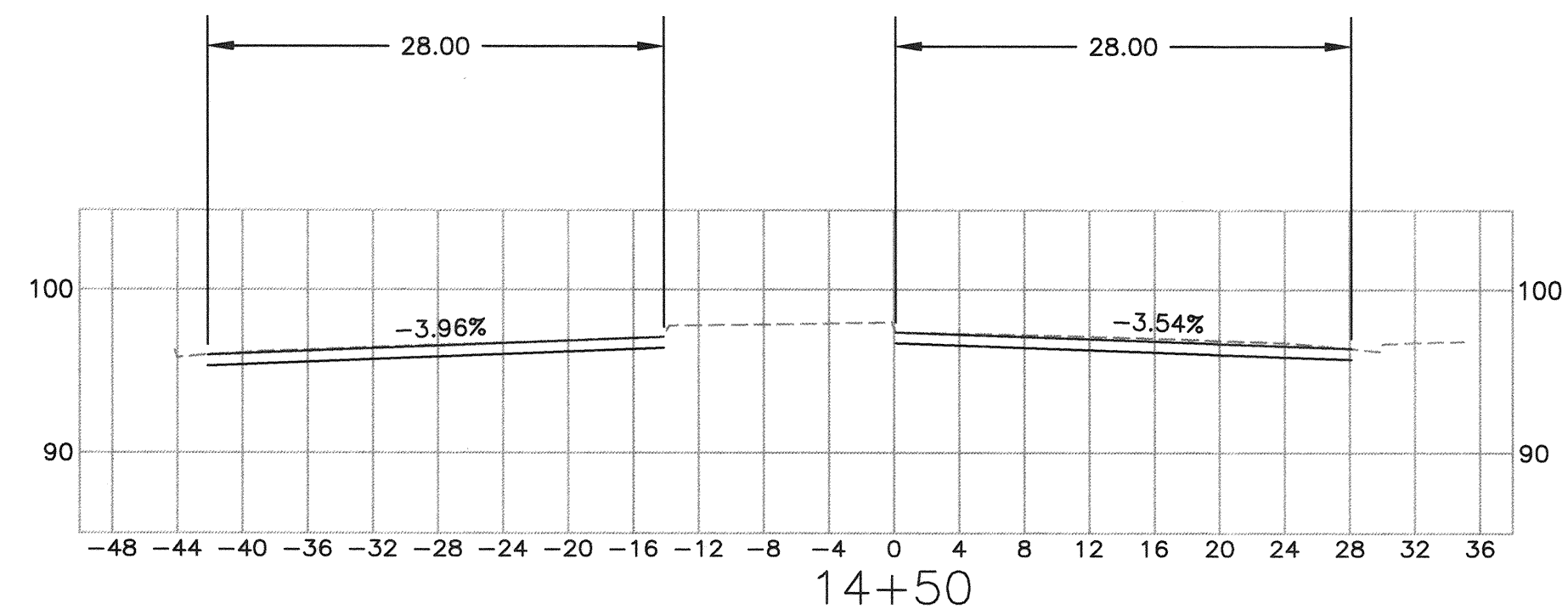
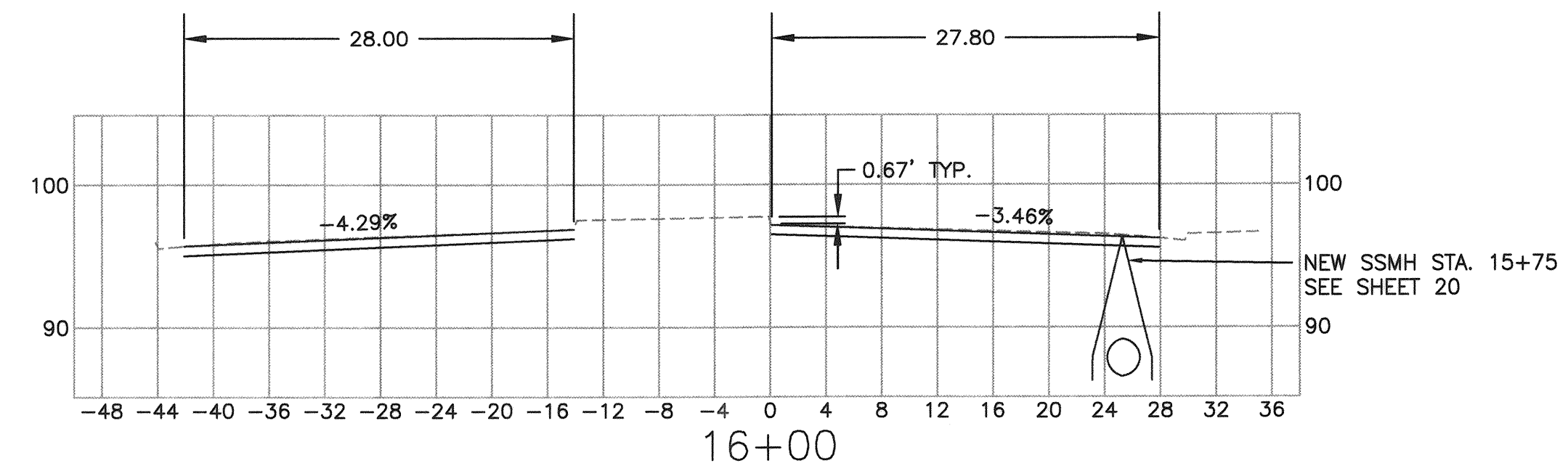
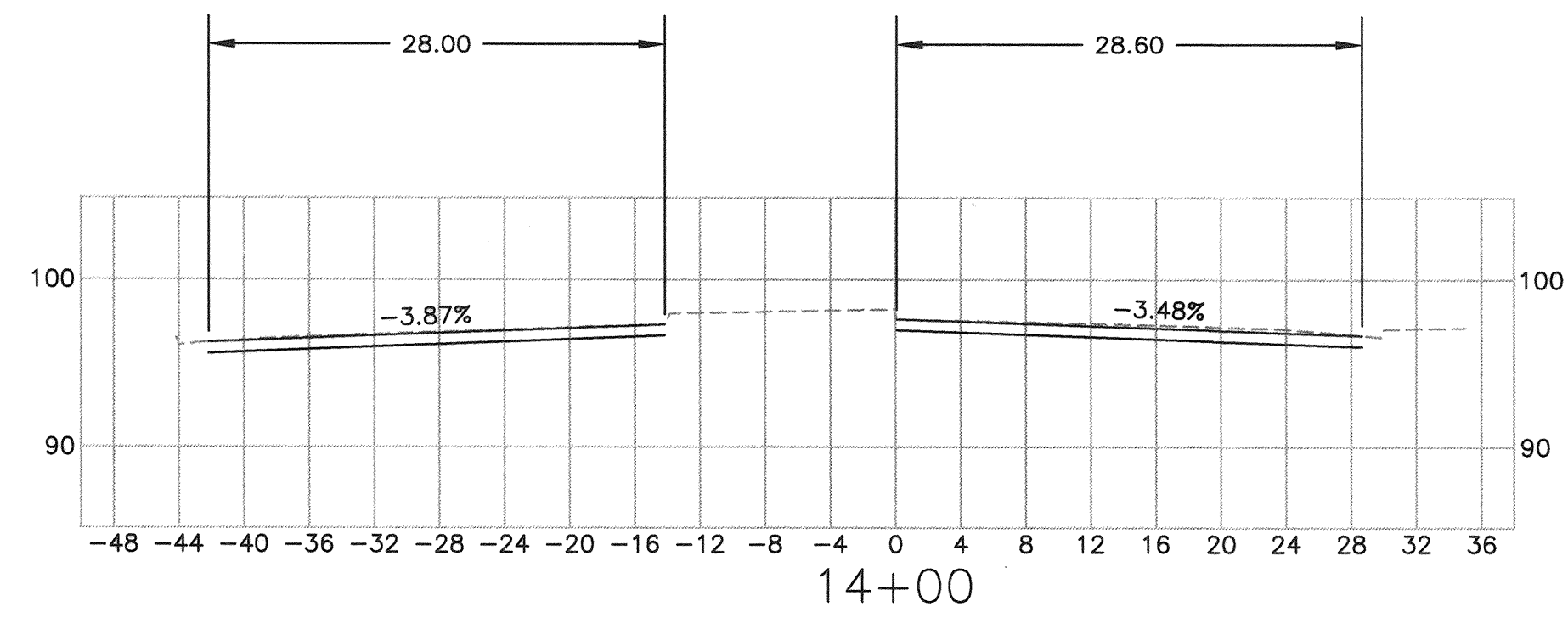
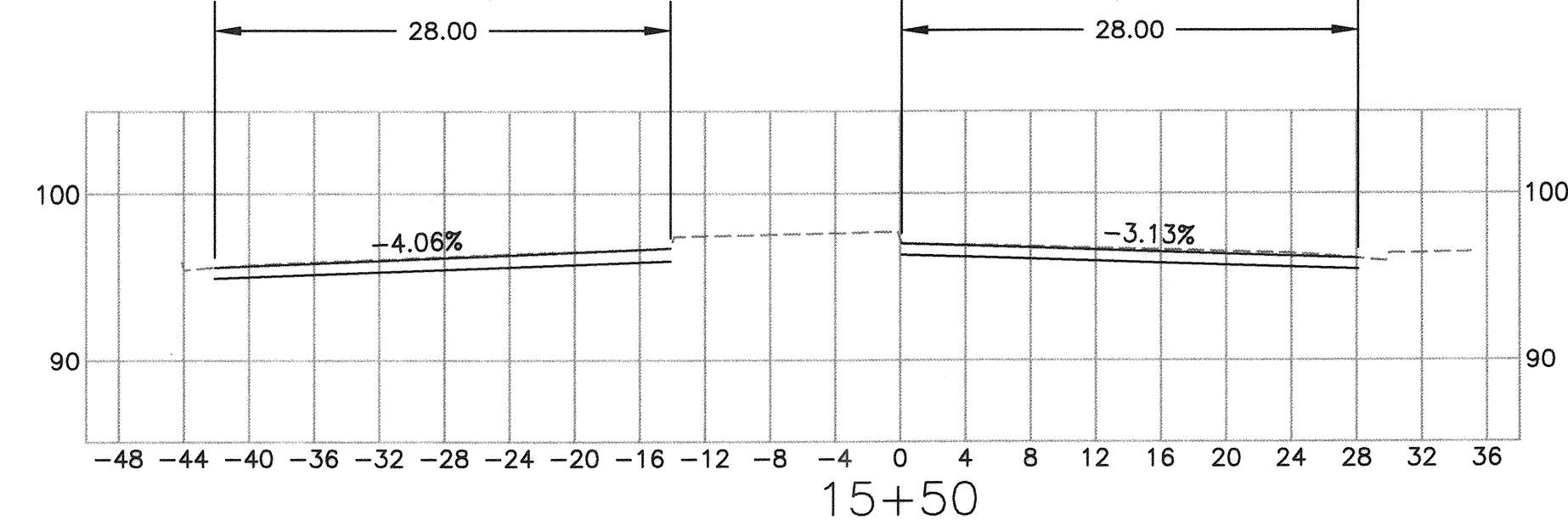
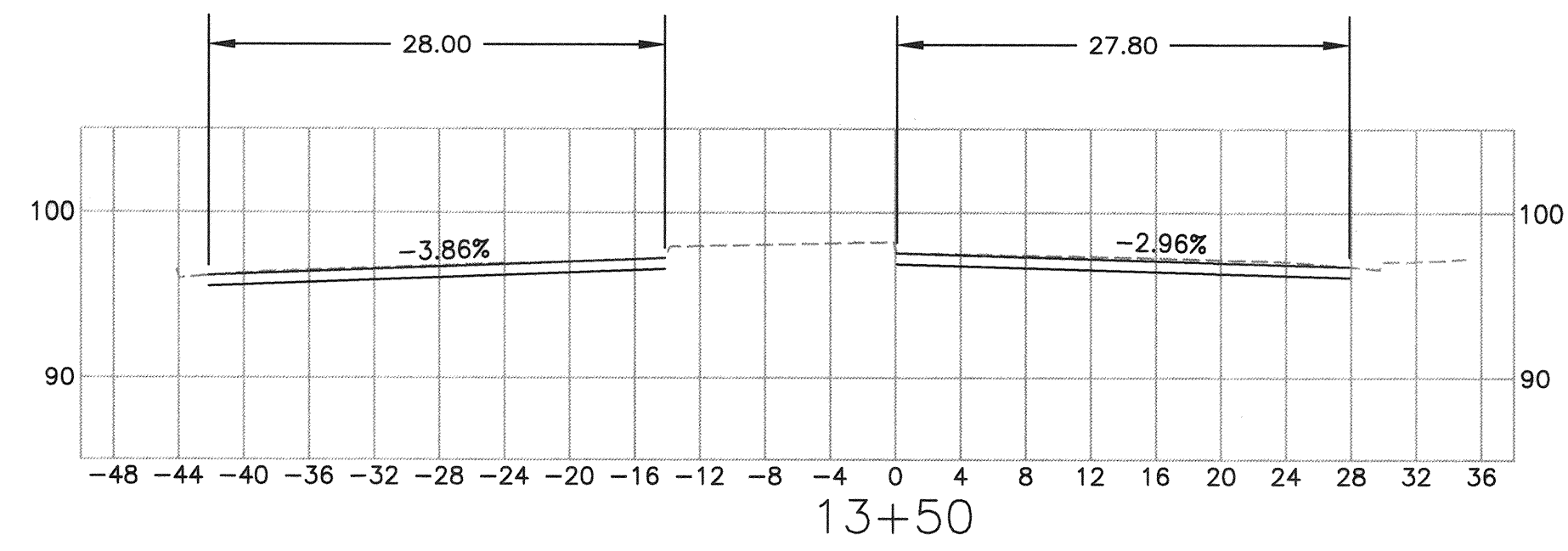
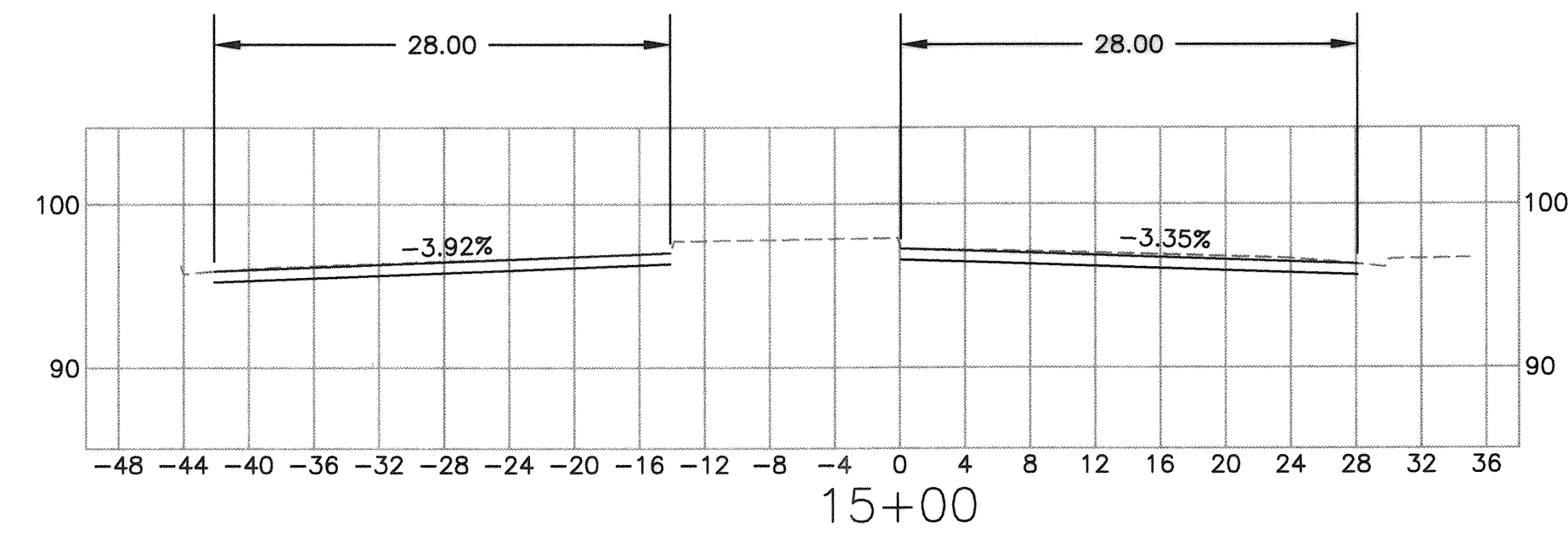
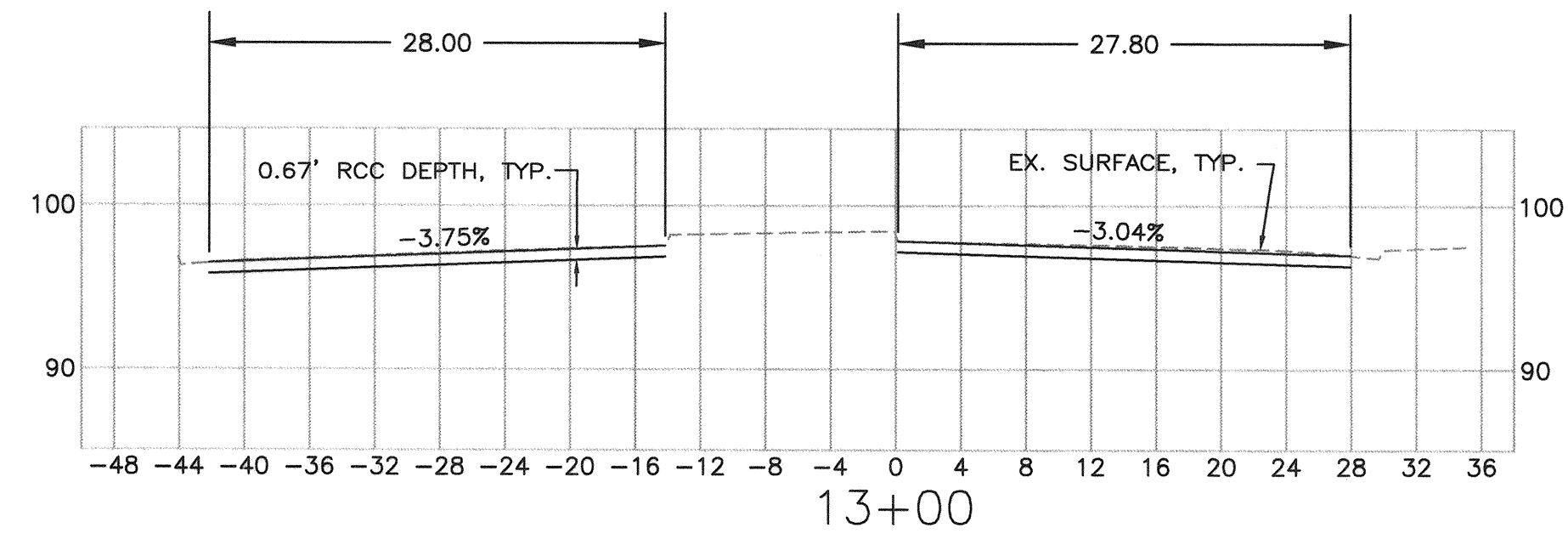
City of  
 Santa Rosa

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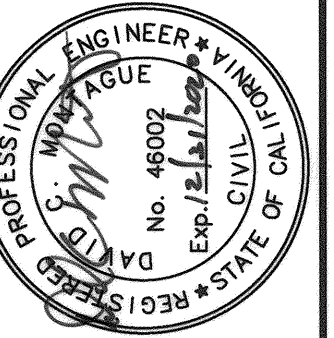
SCALE: AS SHOWN  
 DWN BY: LG/GL  
 DATE: JANUARY 2019  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbanek* Date: 1/22/19  
 Lori Urbanek

CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 9+00 - 12+50  
 CONTRACT NO. C00780  
 SHEET 10 OF 23  
 FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



City of  
 Santa Rosa

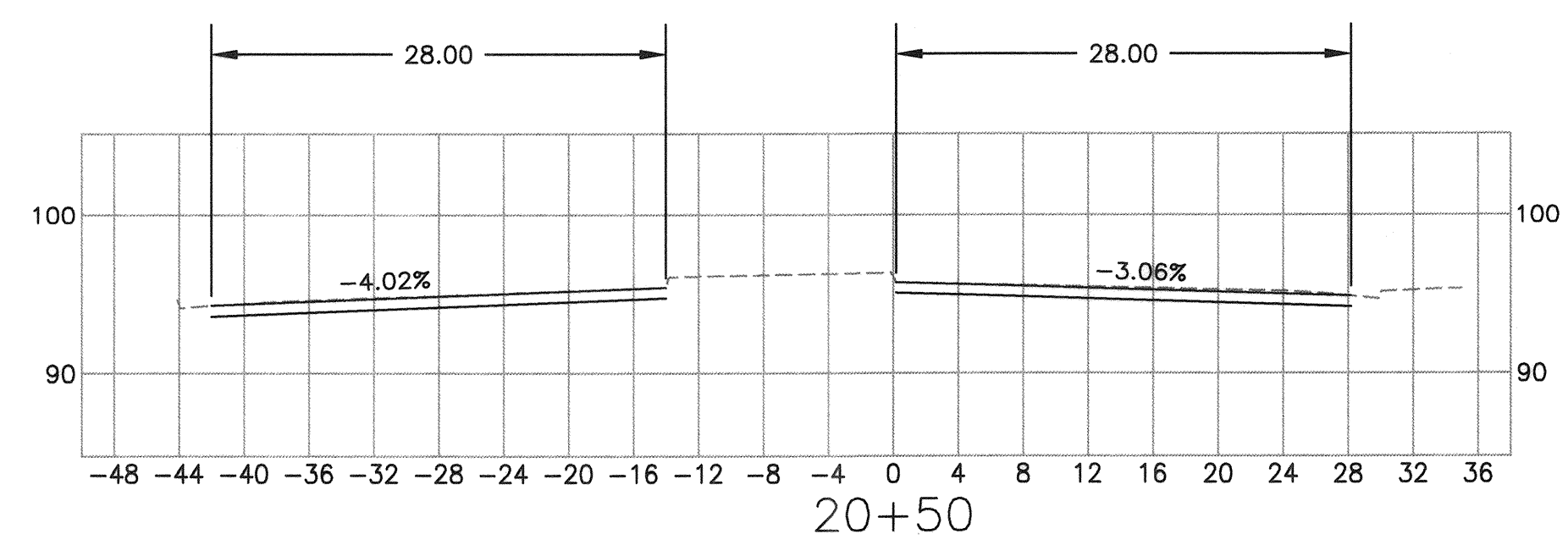
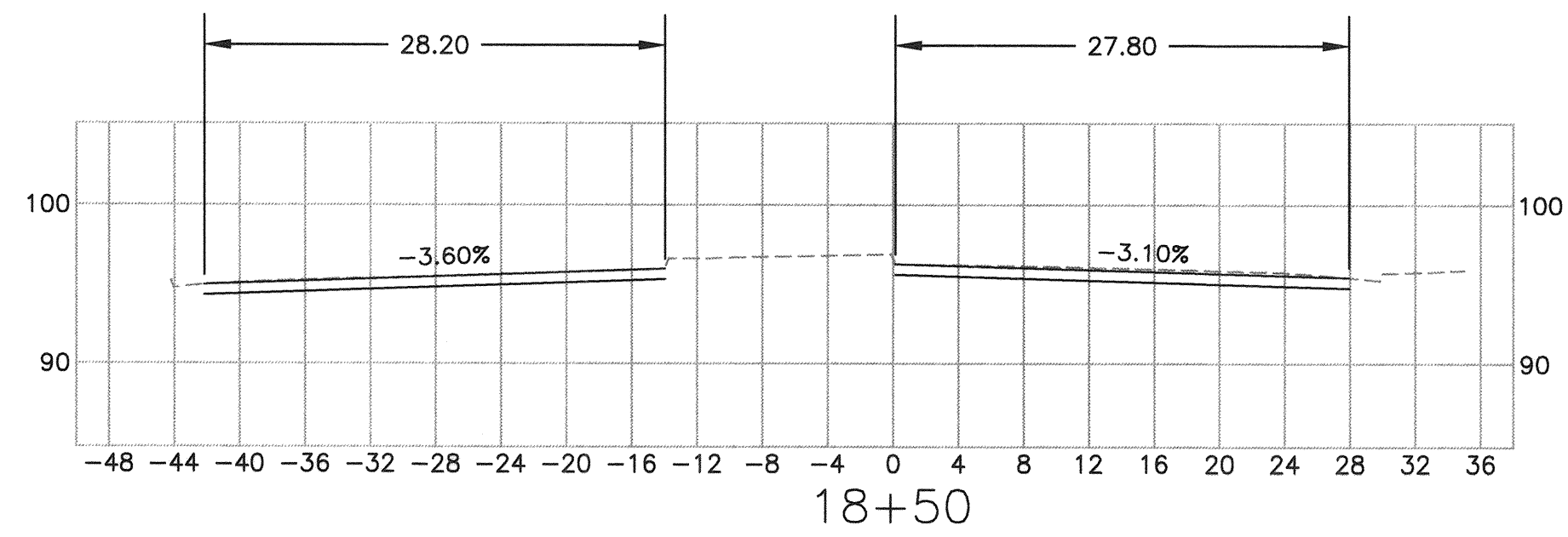
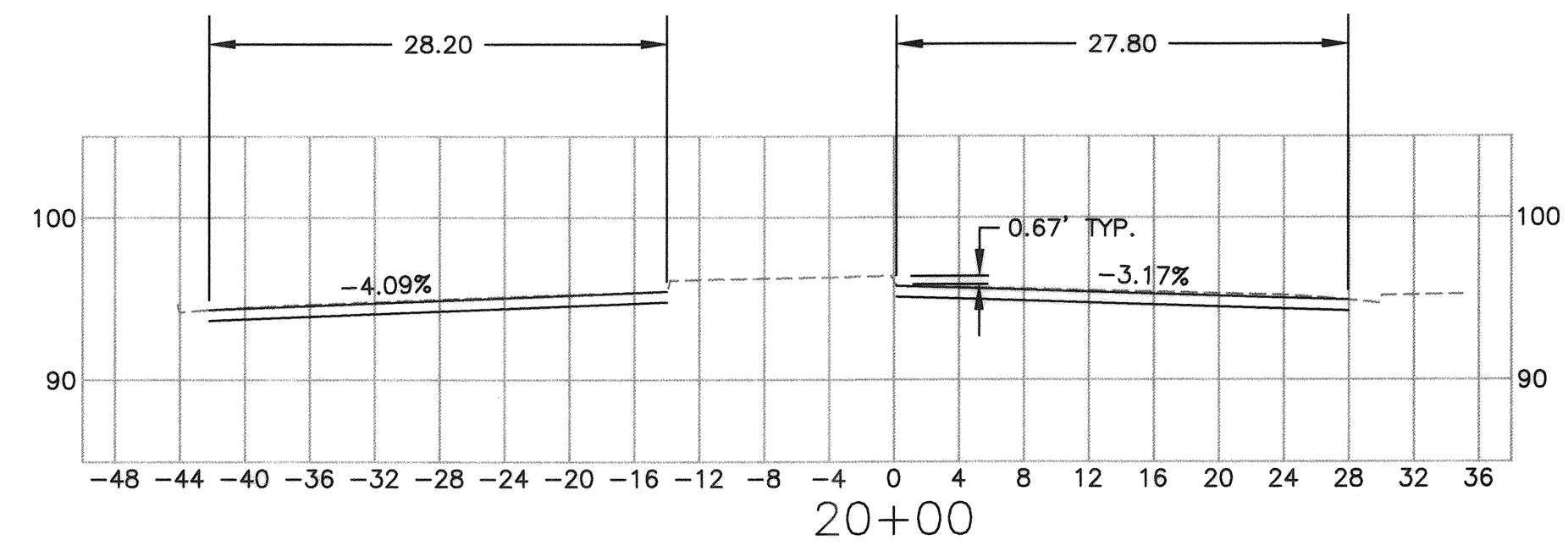
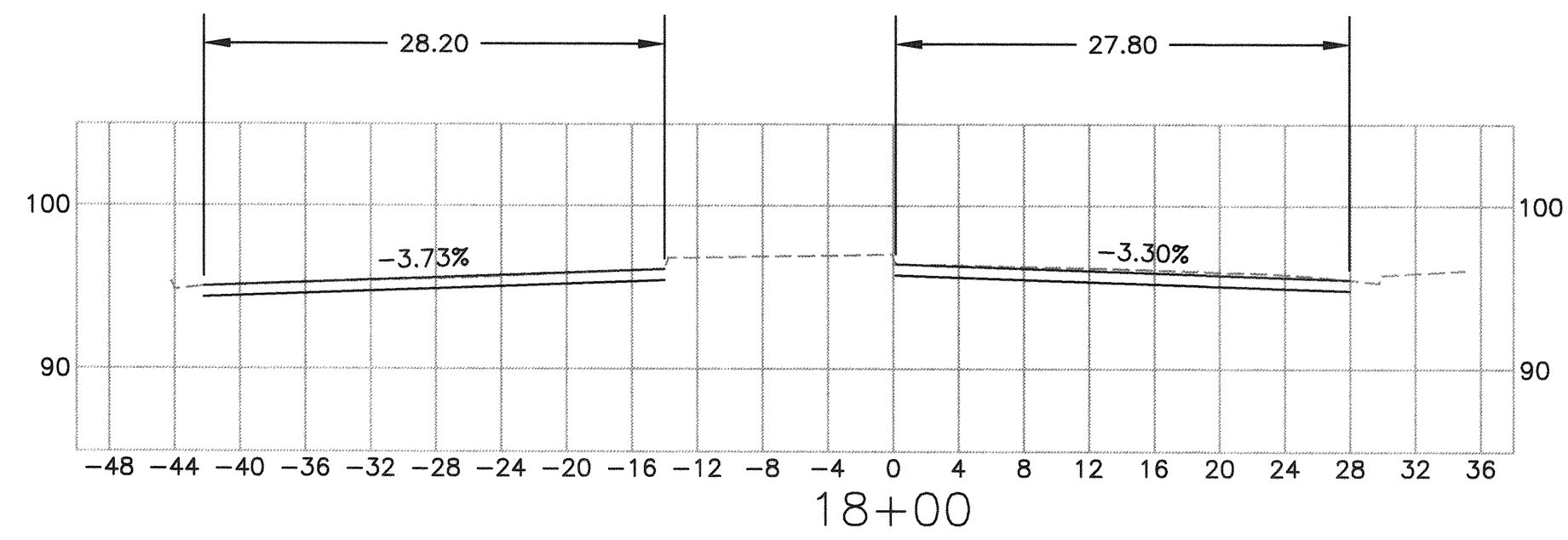
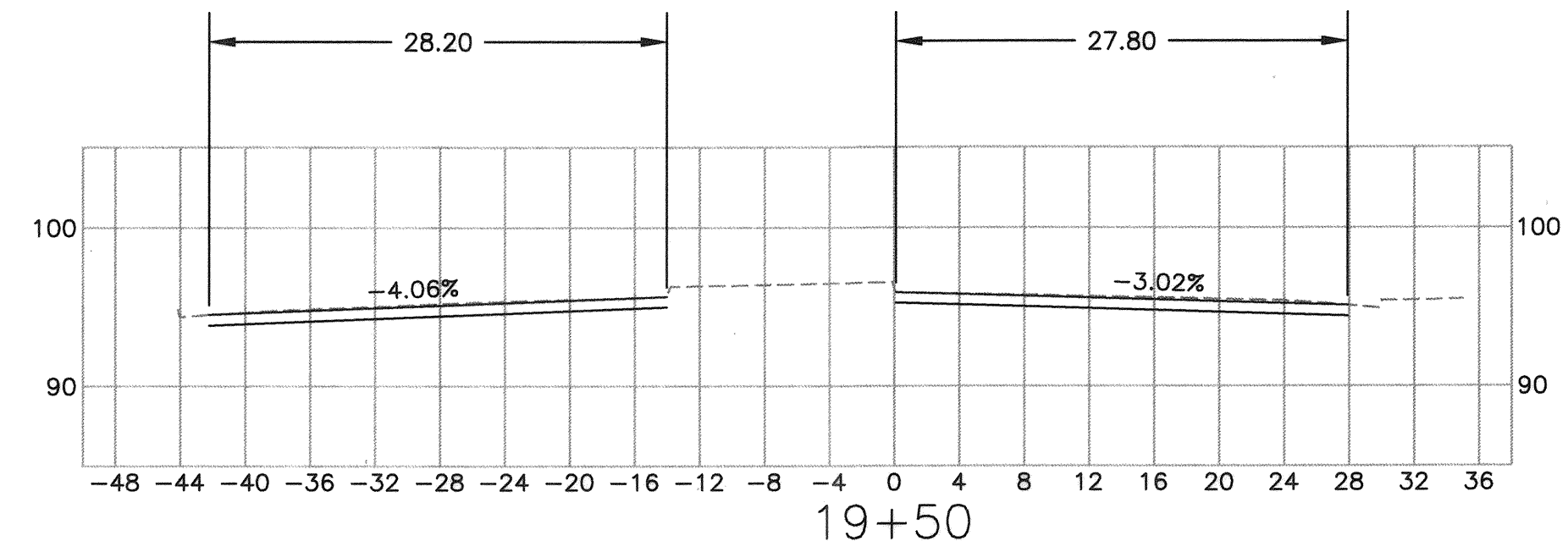
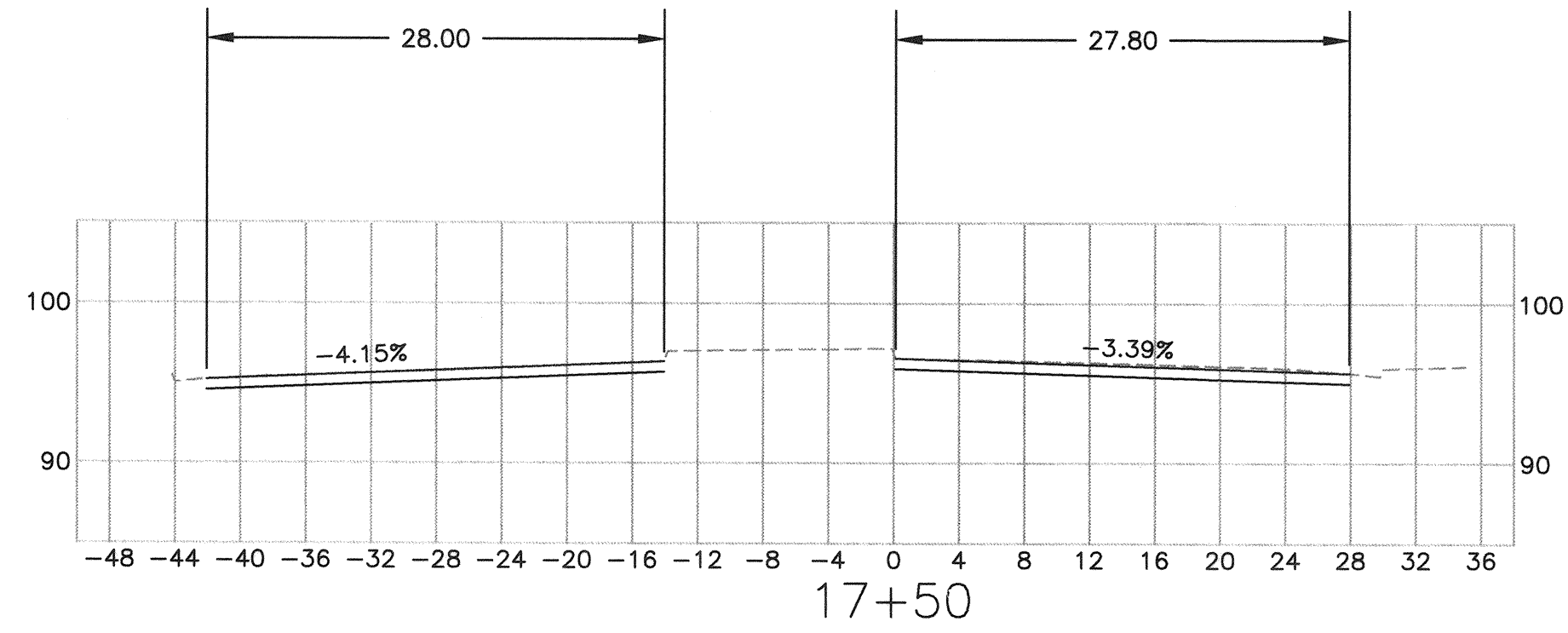
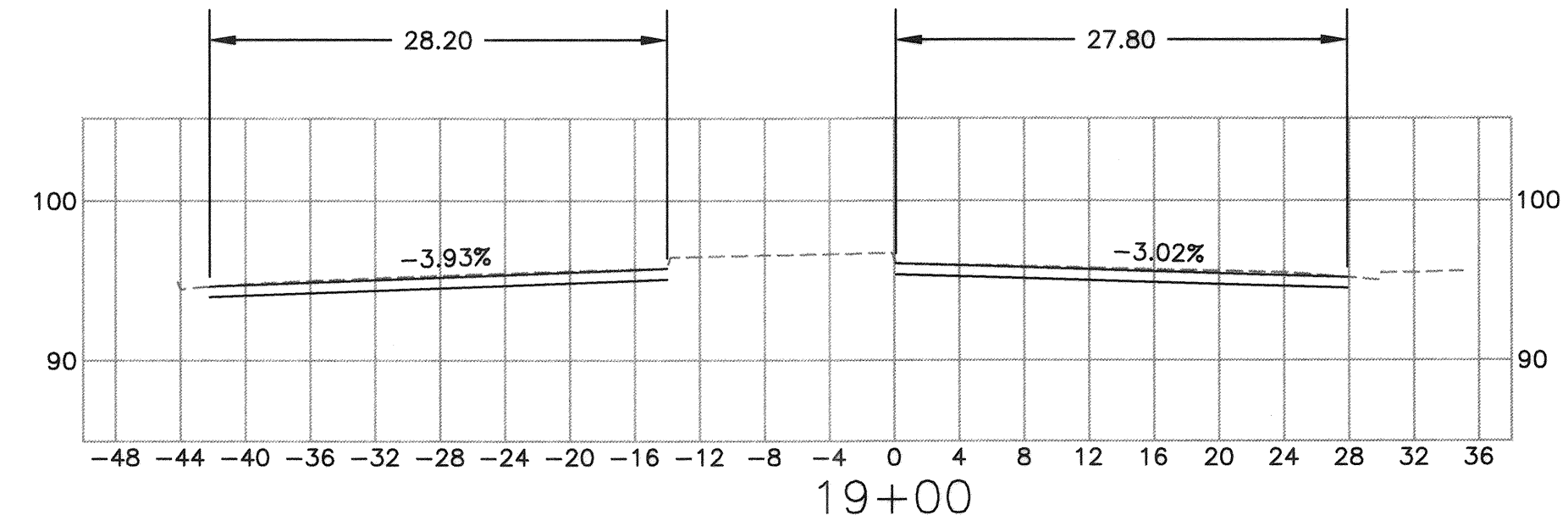
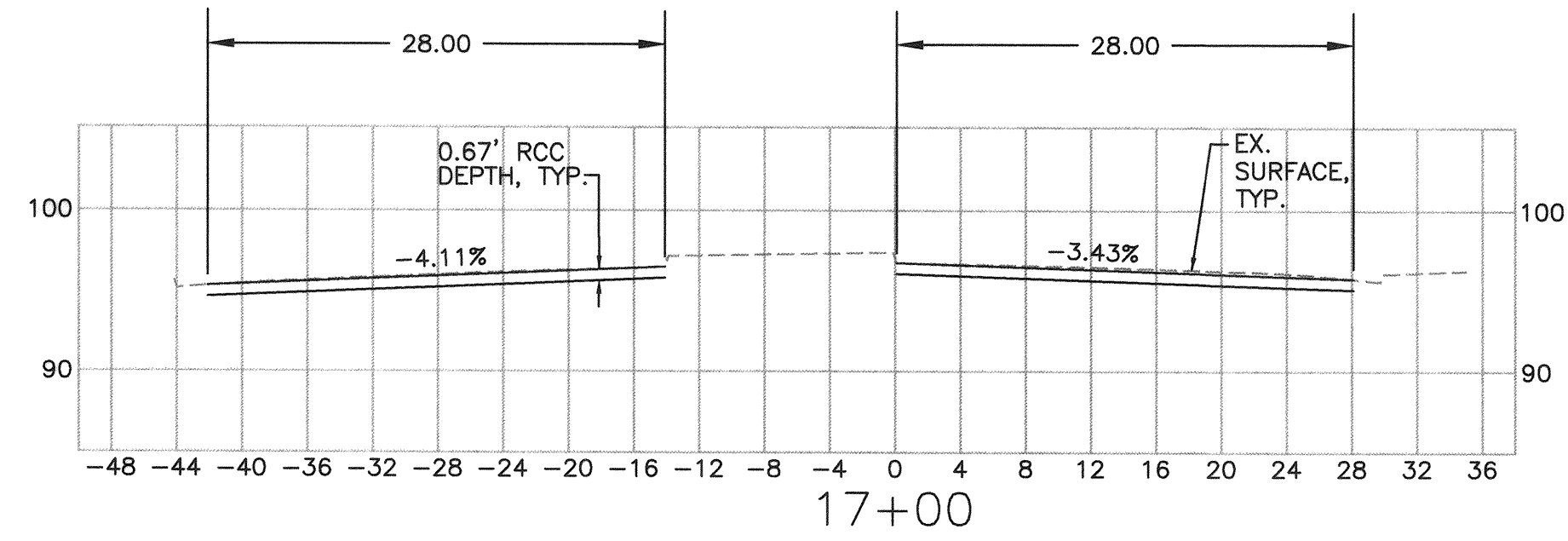
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SCALE: AS SHOWN LG/GL  
 DWN BY: LG/GL  
 DATE: JANUARY 2019  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: Lori Urbanek Date: 1/22/19

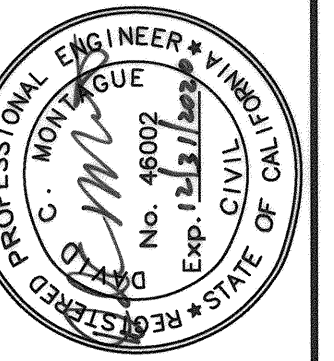
CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 13+00 - 16+50

CONTRACT NO.  
 C00780  
 SHEET 11 OF 23  
 FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
HORZ. SCALE : 1" = 10'  
VERT. SCALE : 1" = 10'



City of  
Santa Rosa

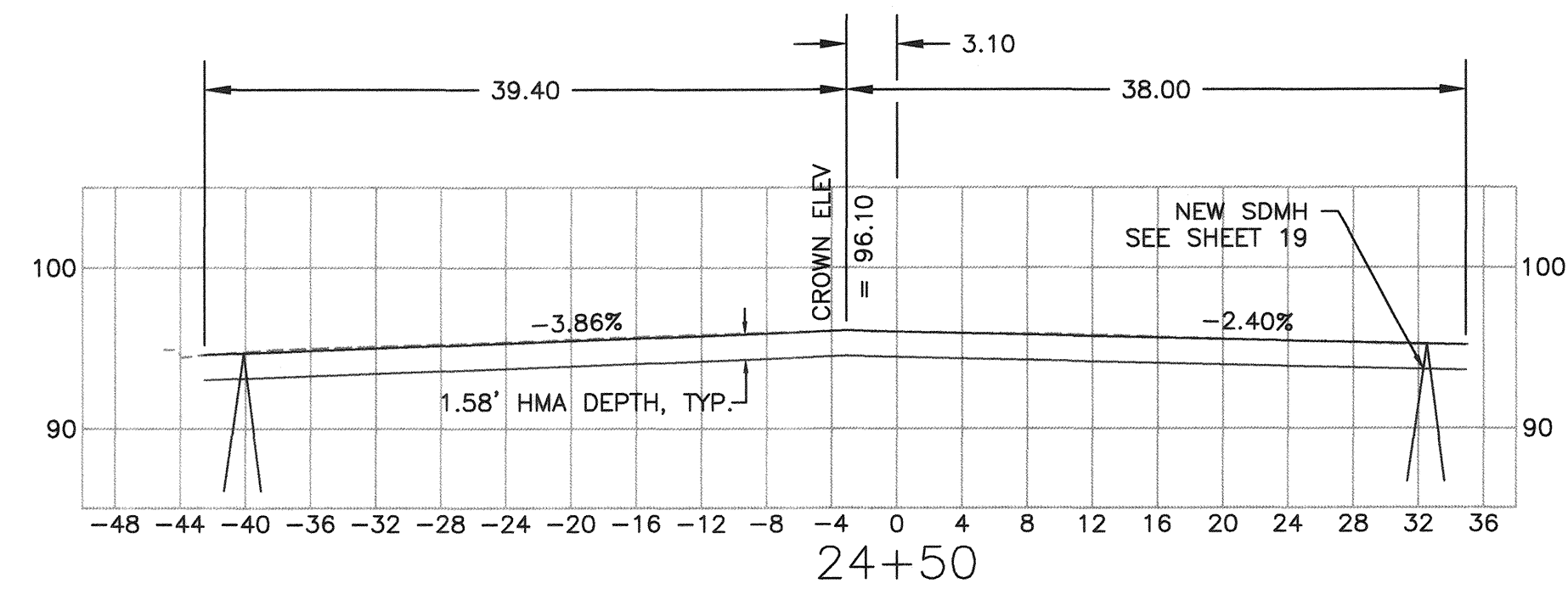
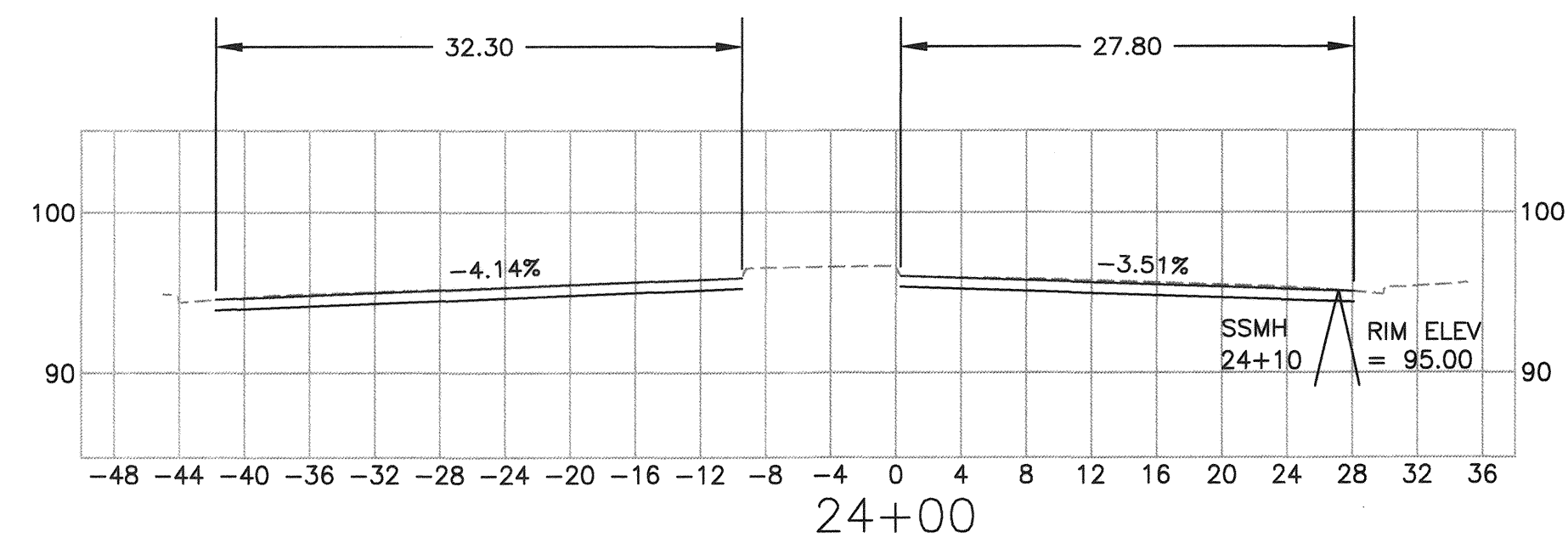
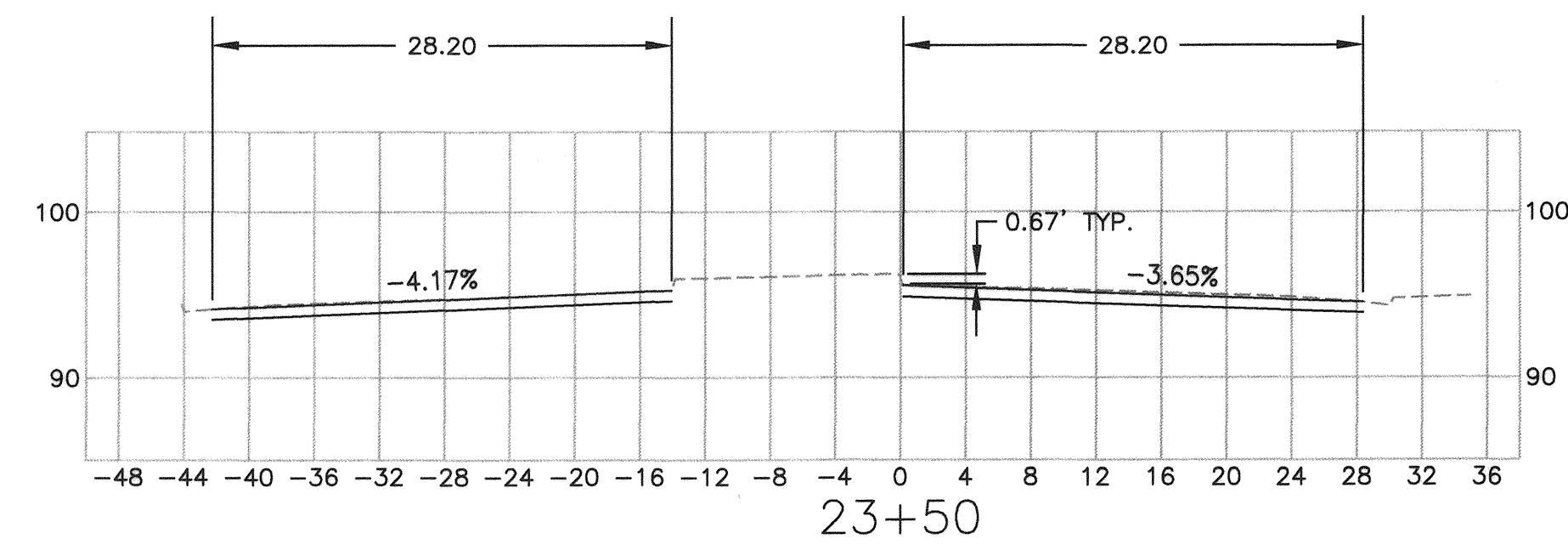
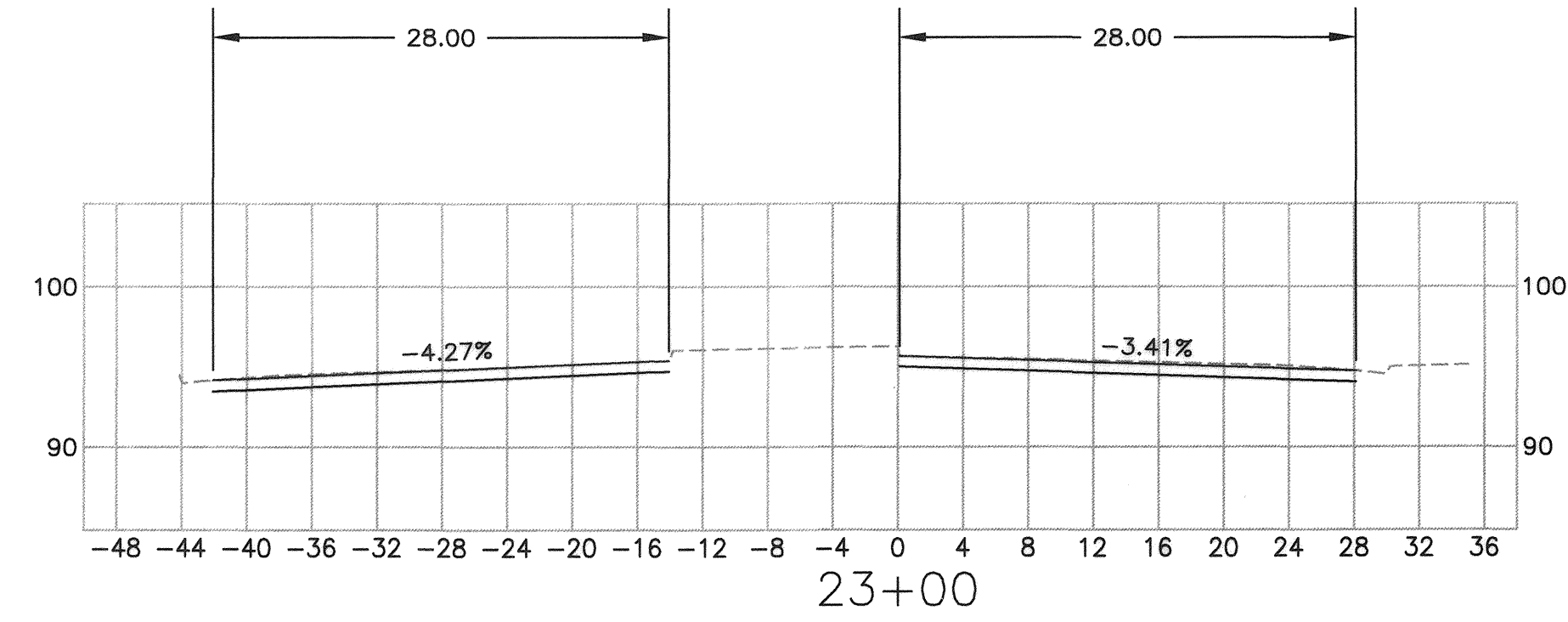
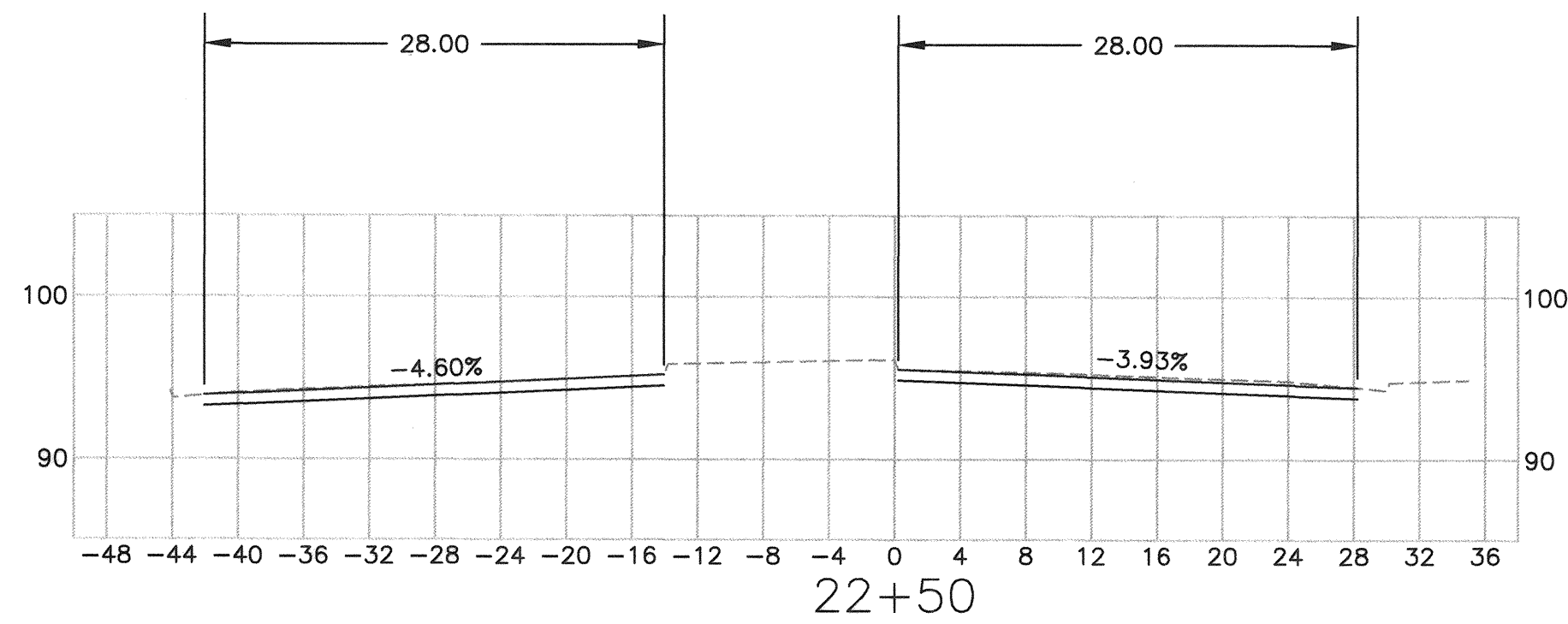
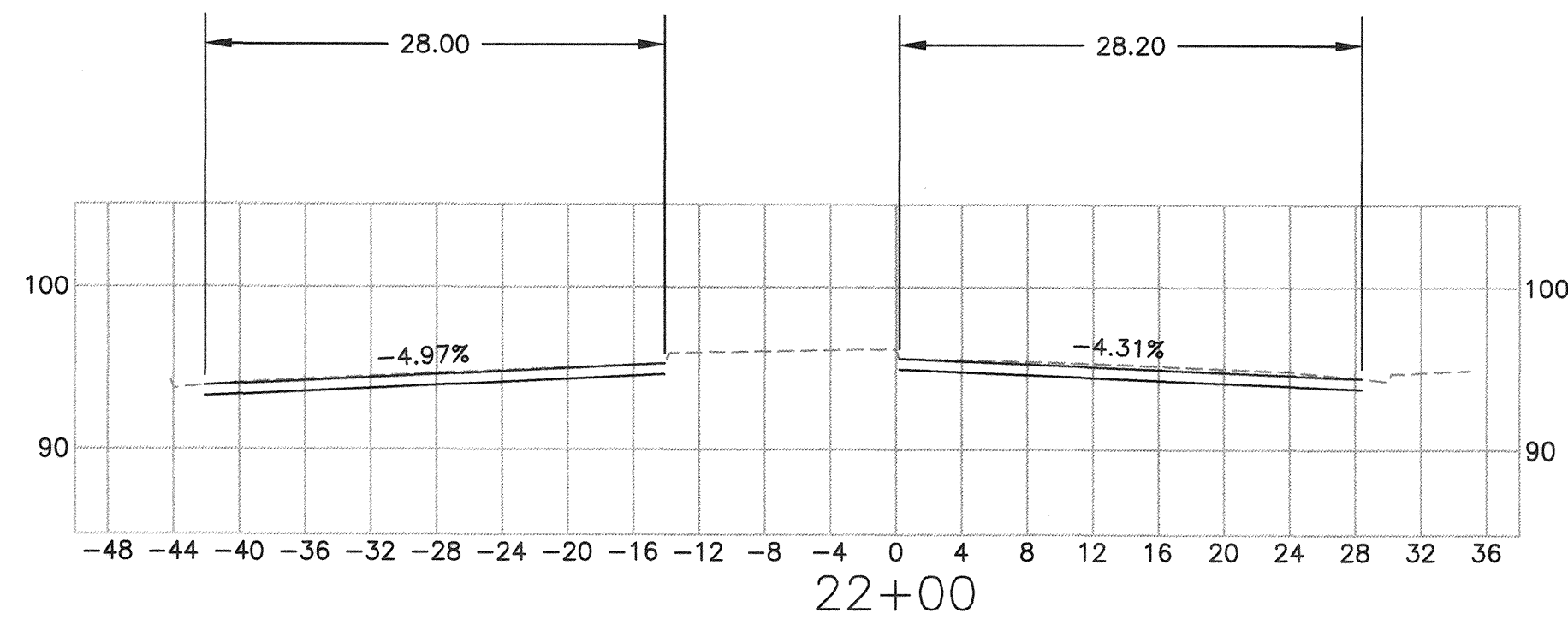
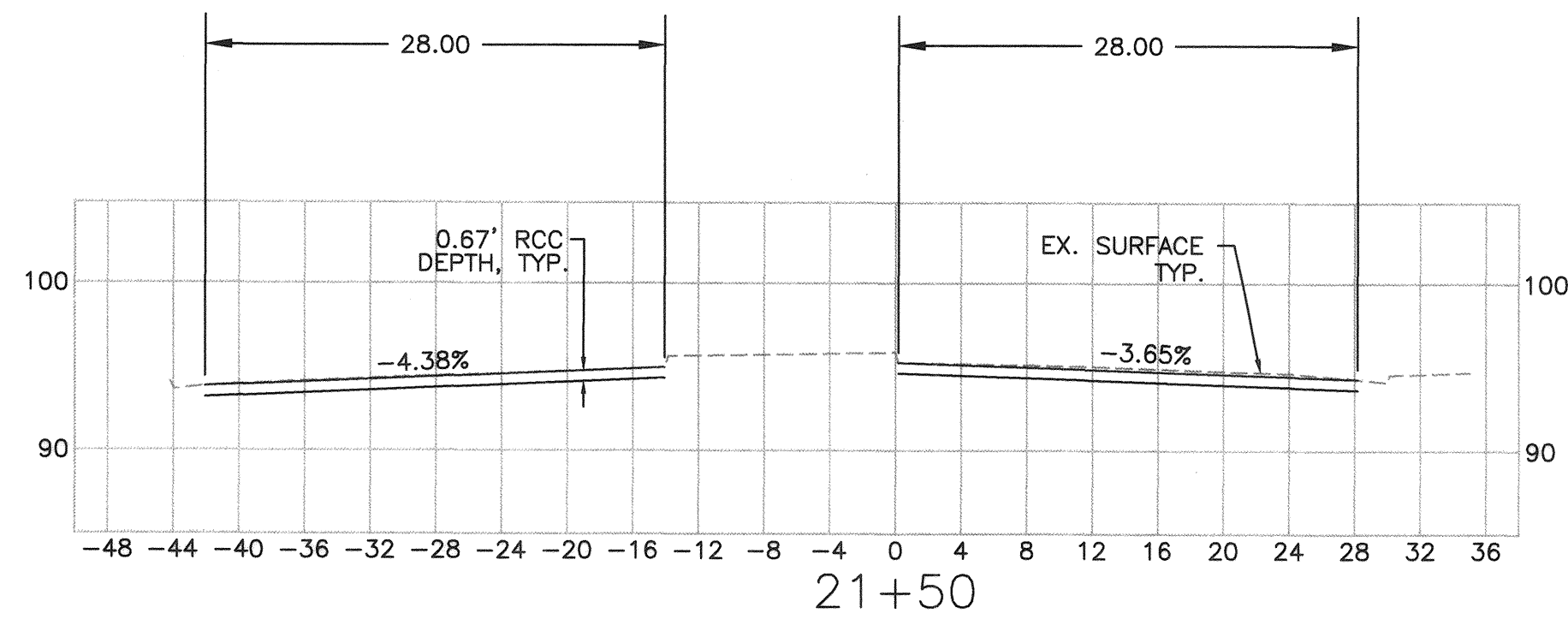
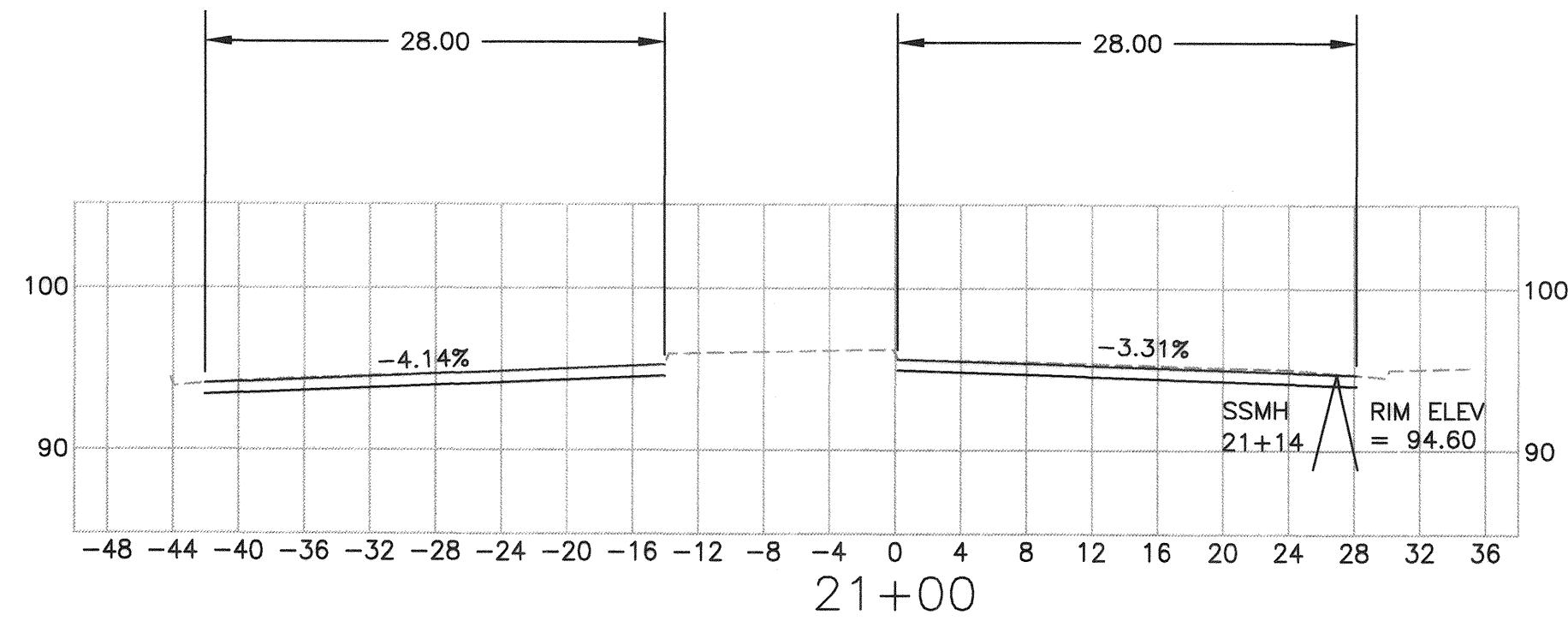
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SCALE: AS SHOWN  
DWN BY: LG/GL  
DATE: JANUARY 2019  
CHK BY: GD  
APPROVED: Deputy Director - Engineering  
By: *Lori Urbaneck* Date: 1/22/19  
Lori Urbaneck

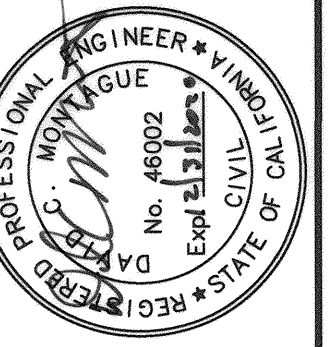
CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST  
STREET CROSS-SECTIONS  
STA. 17+00 - 20+50

CONTRACT NO.  
C00780  
SHEET 12 OF 23  
FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



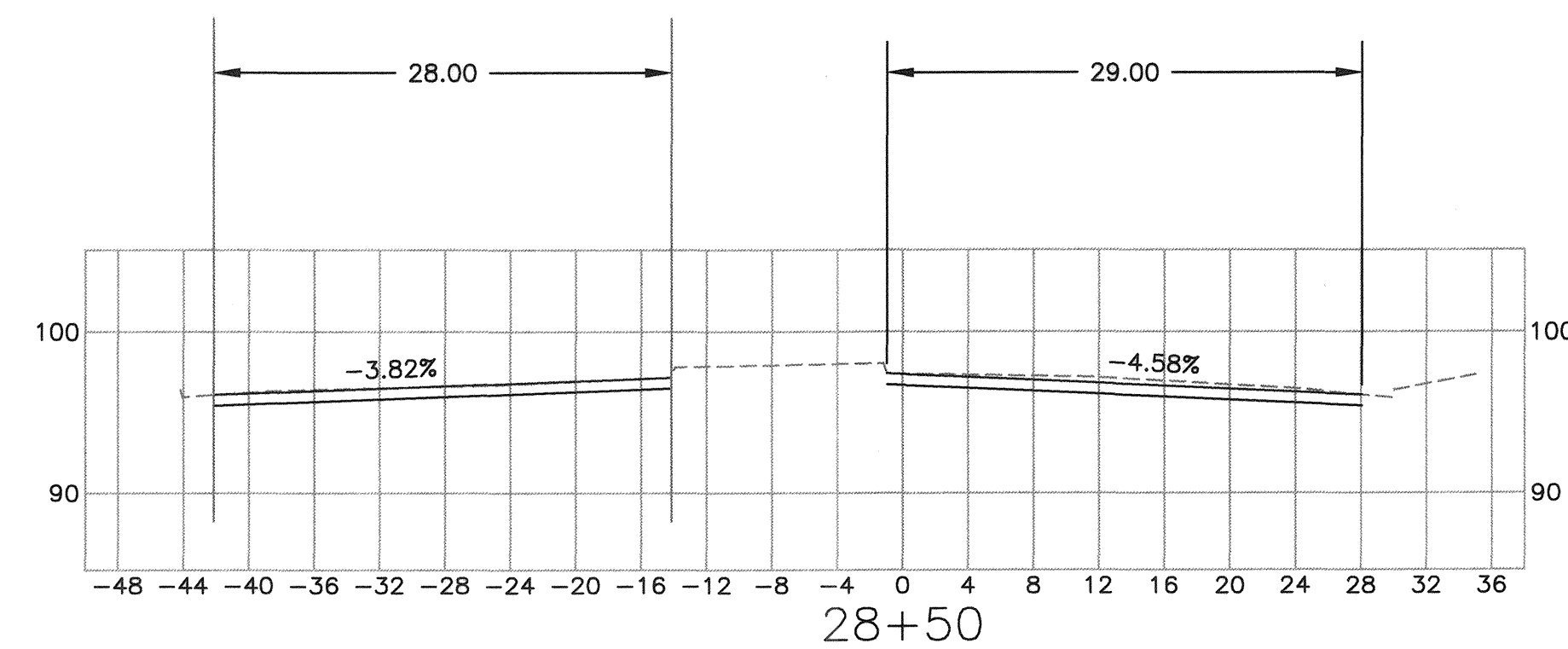
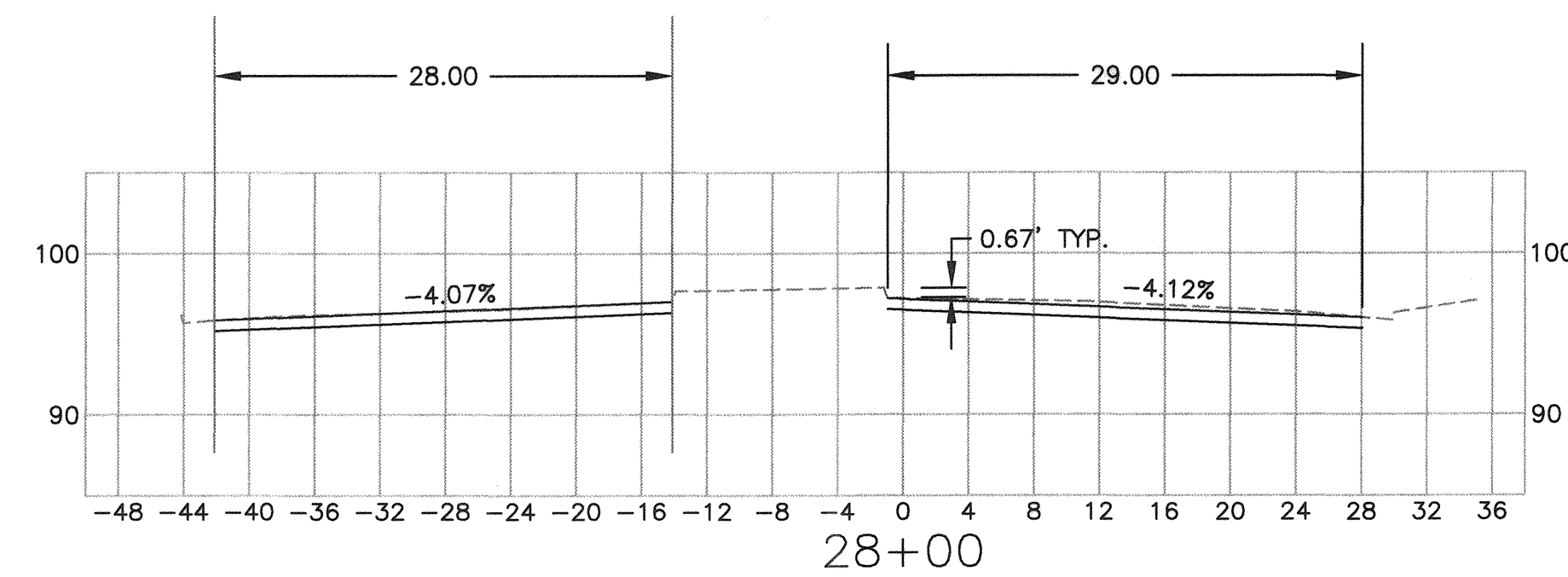
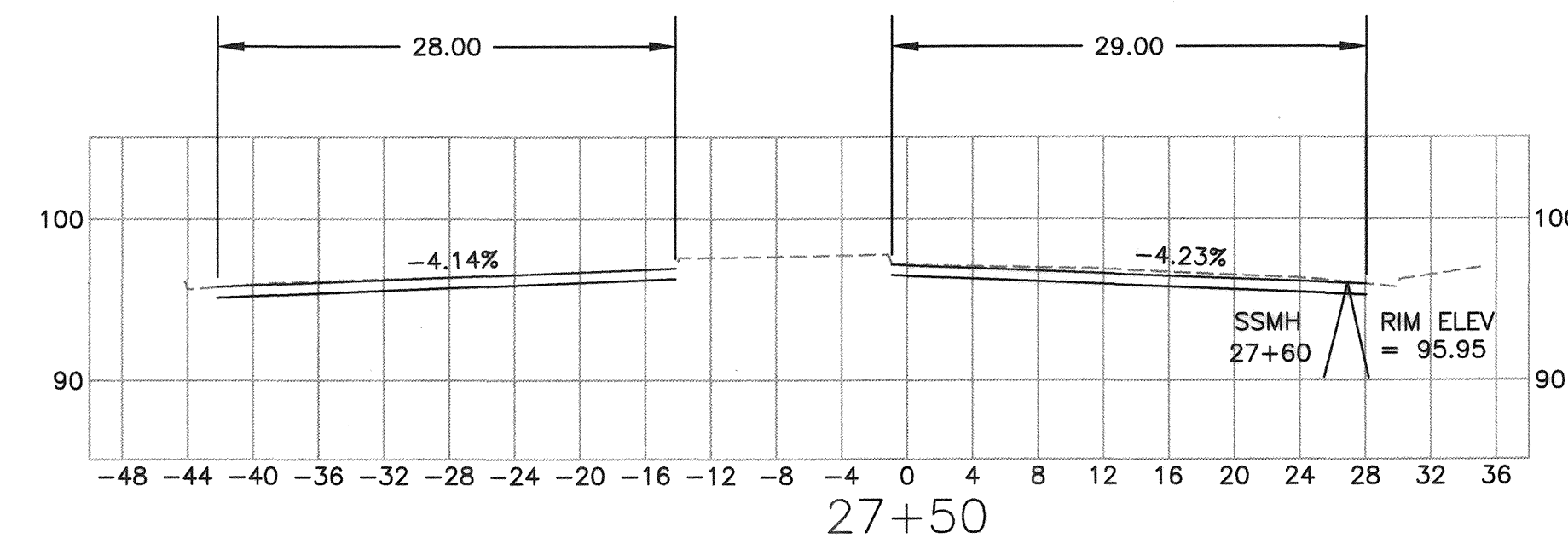
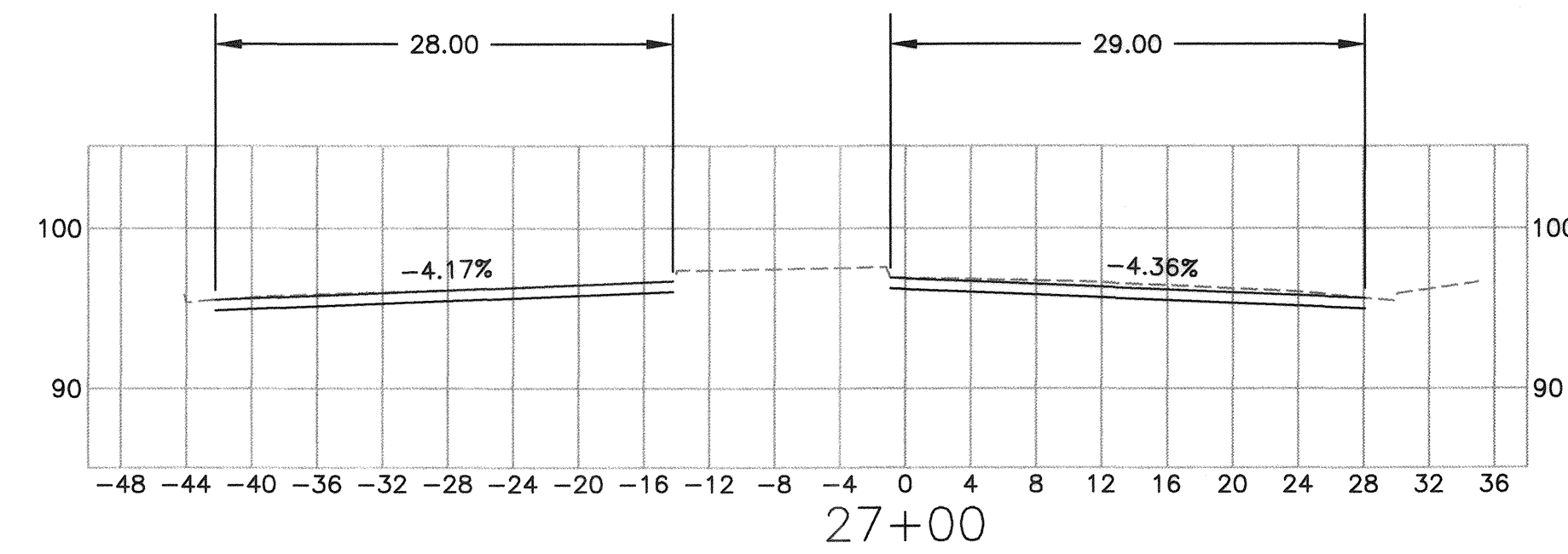
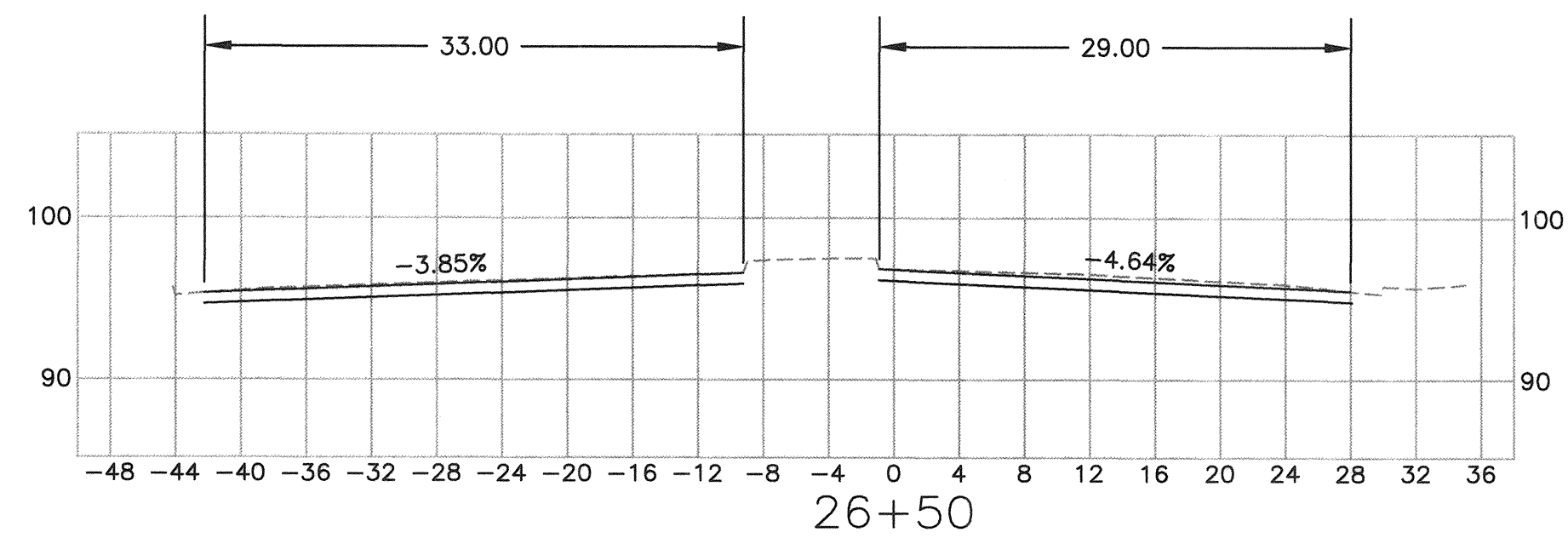
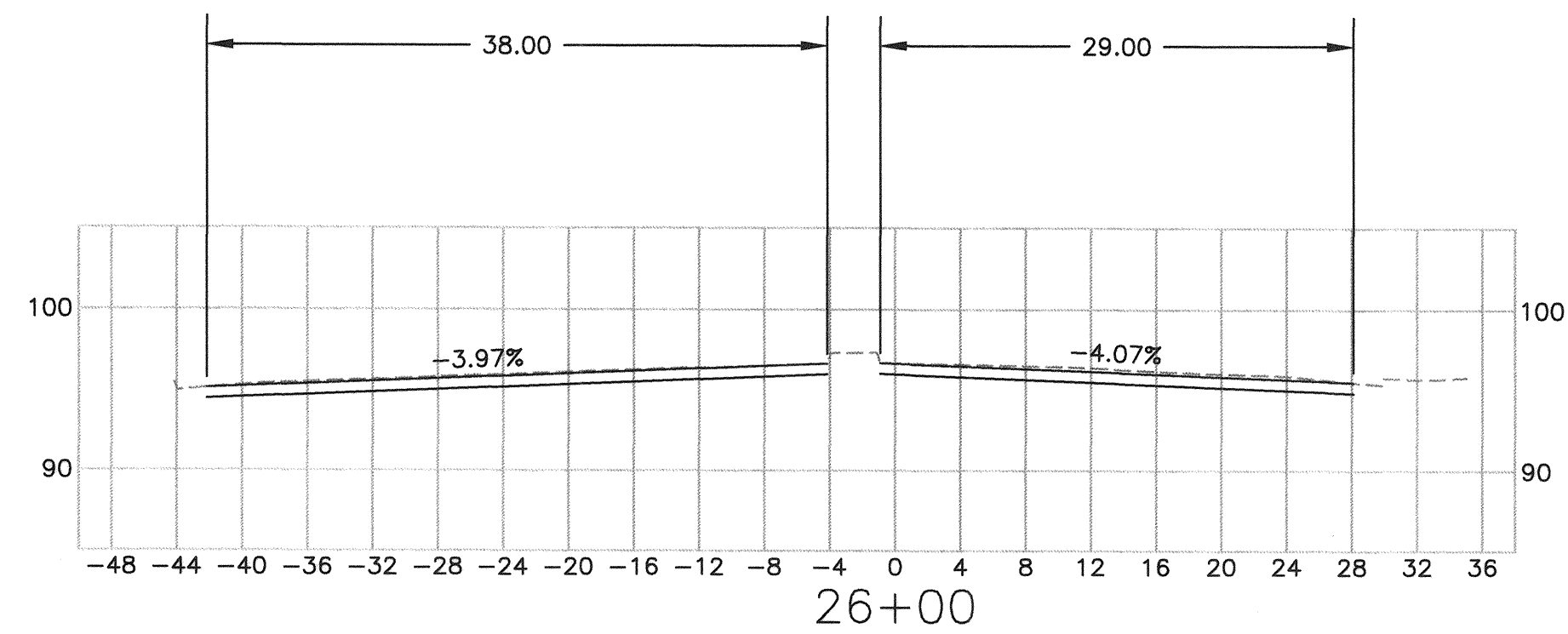
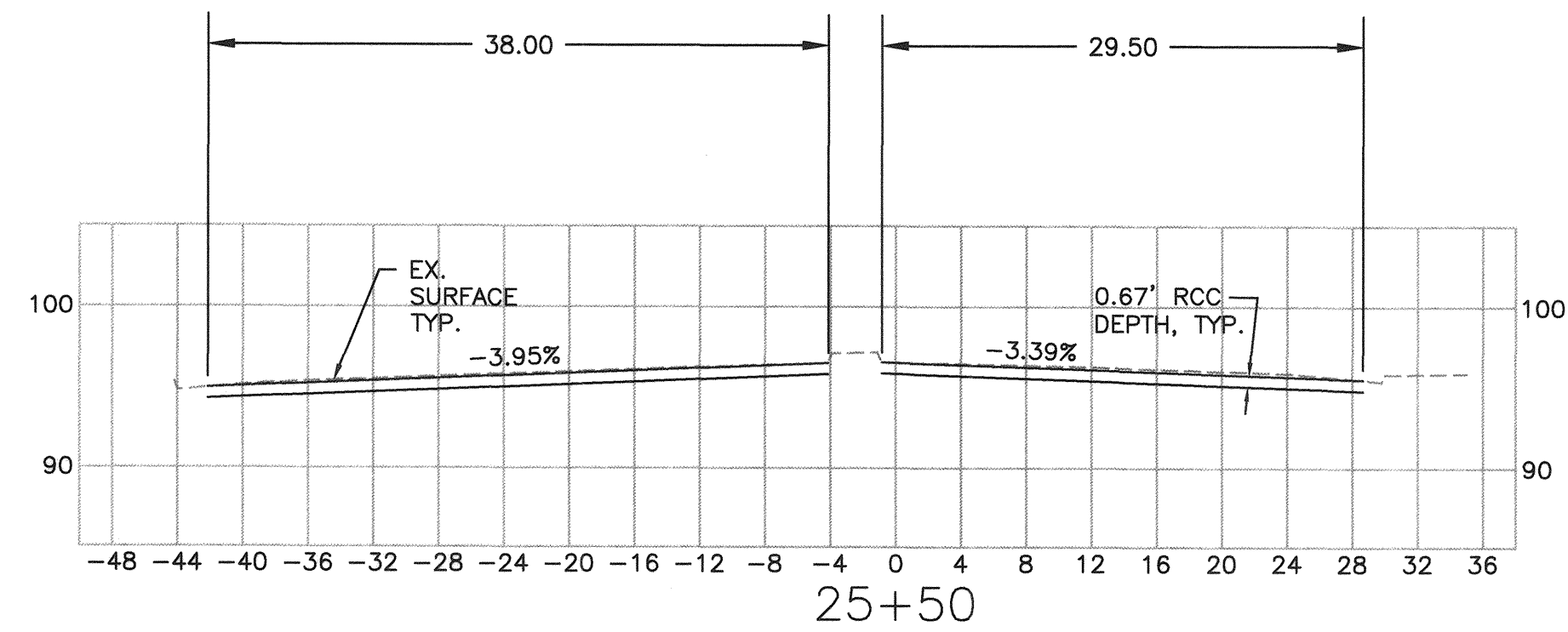
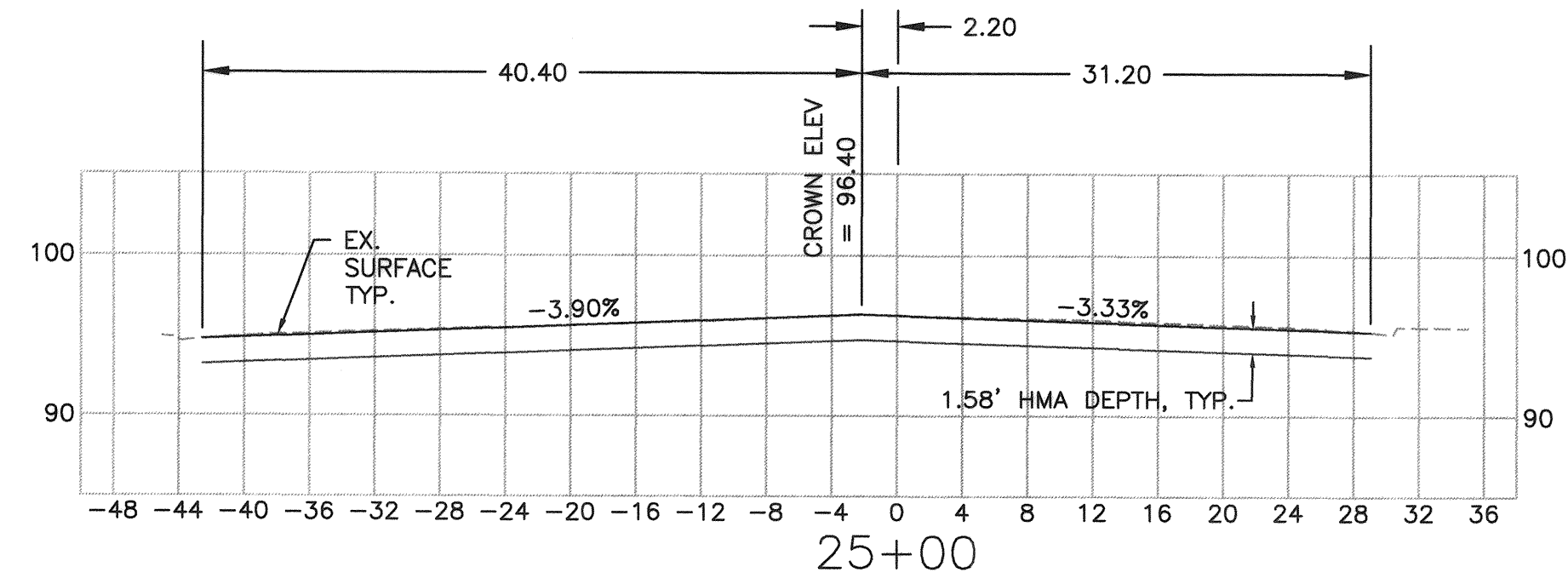
City of  
 Santa Rosa

| NO. | DATE | REVISION | BY |
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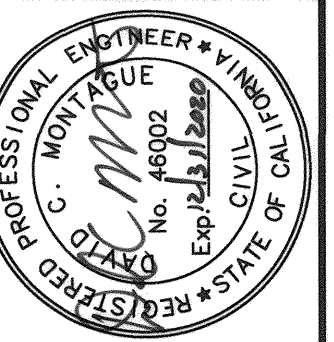
SCALE: AS SHOWN  
 LG/GL  
 DATE: JANUARY 2019  
 CHK BY: GD  
 DWN BY:  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbanek* Date: 1/22/19  
 Lori Urbanek

CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 21+00 - 24+50  
 CONTRACT NO. C00780  
 SHEET 13 OF 23  
 FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



City of  
 Santa Rosa

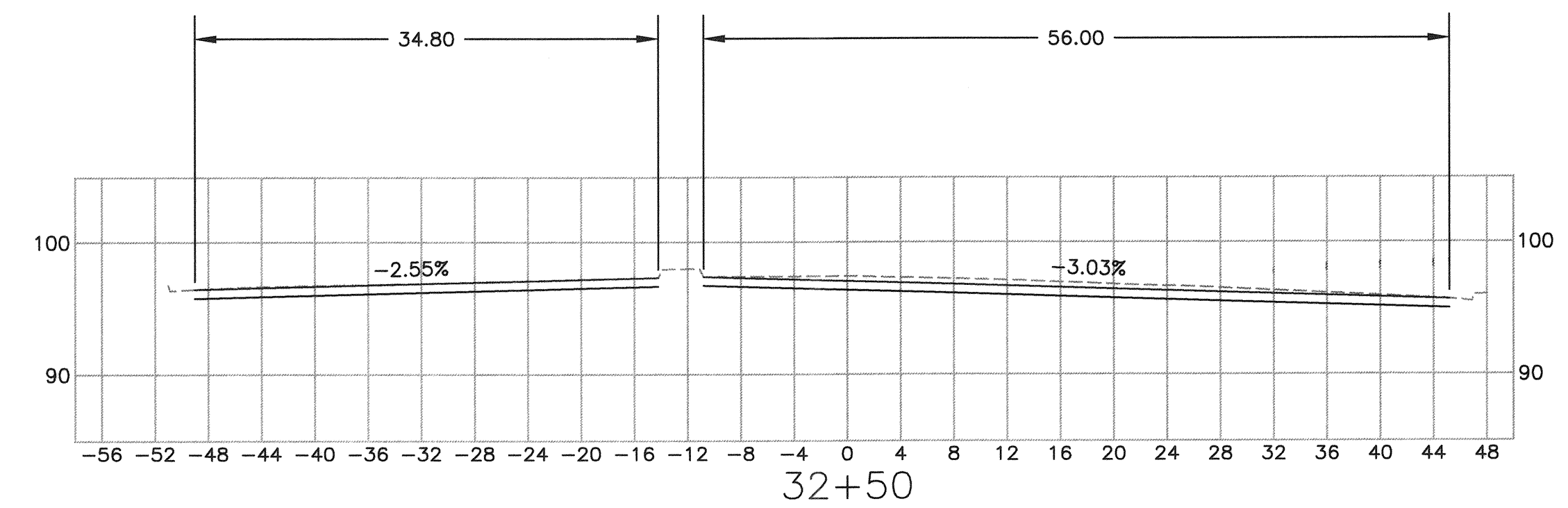
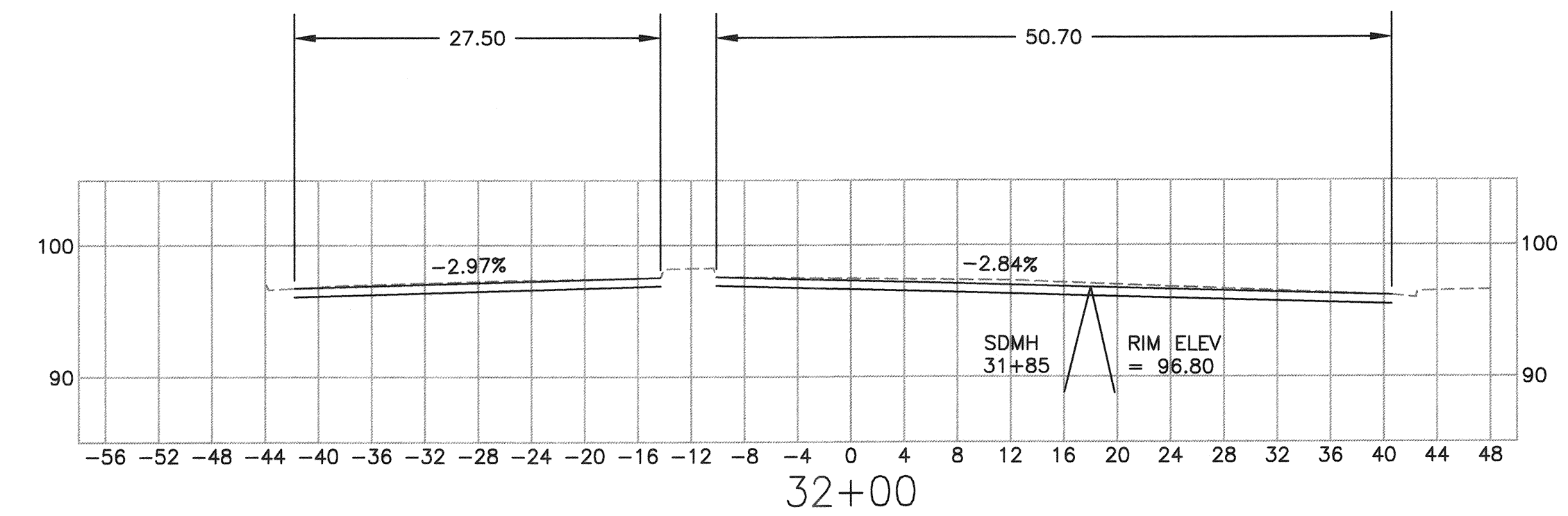
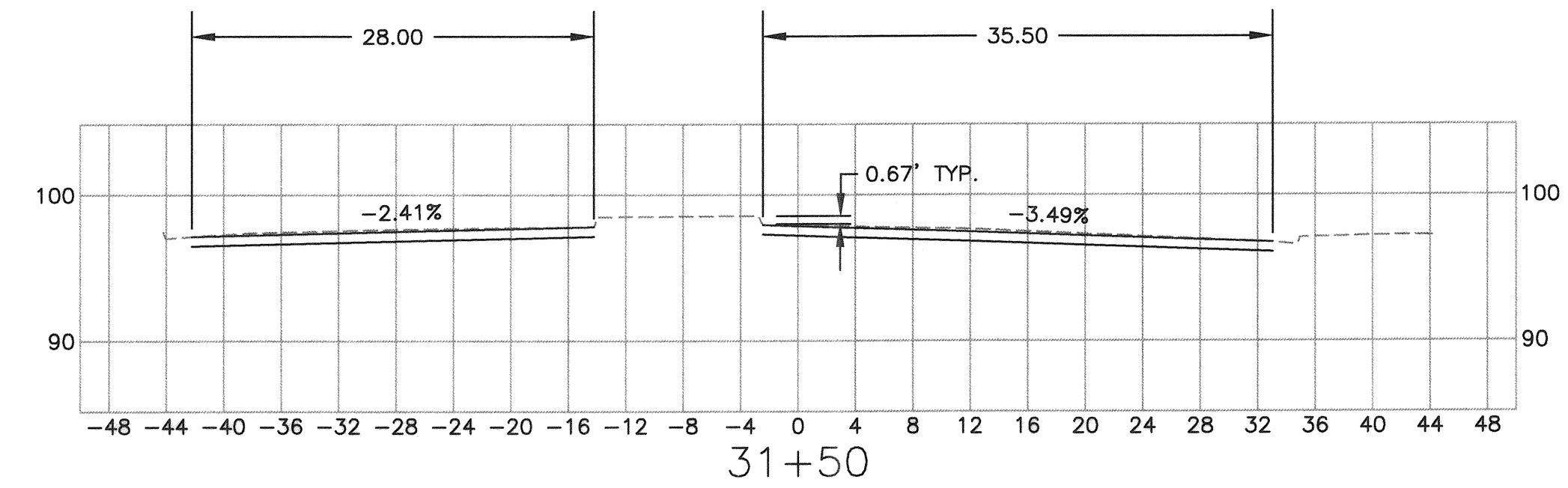
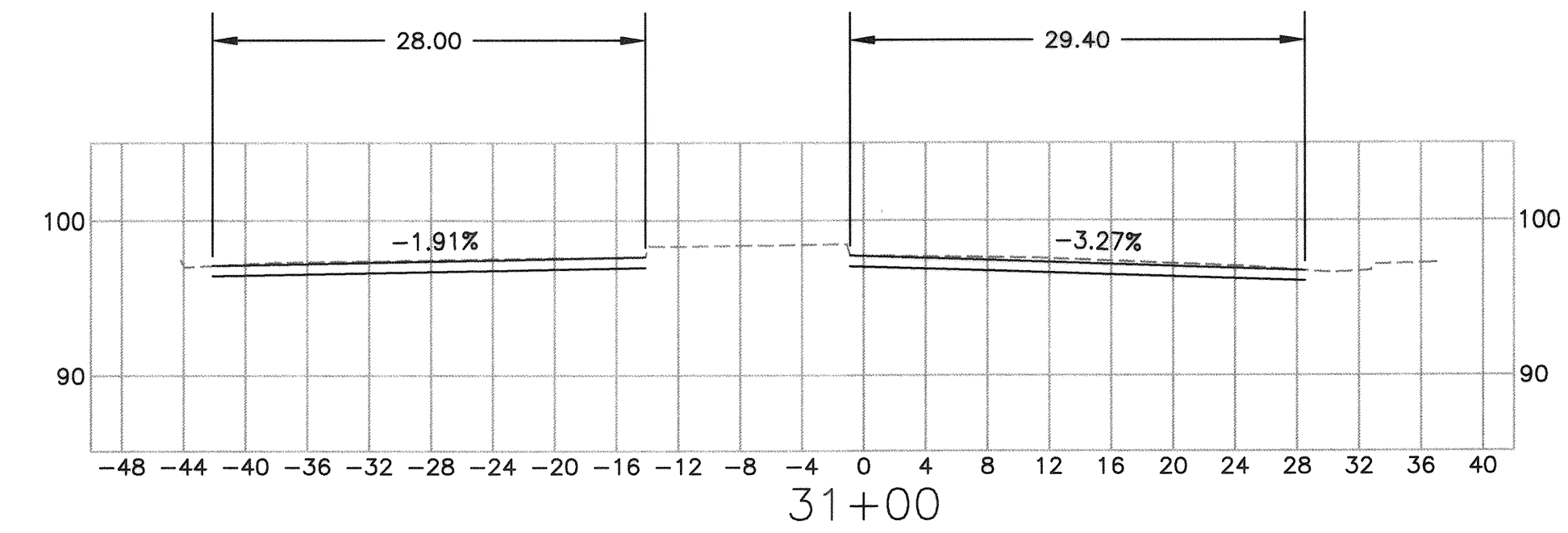
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SCALE: AS SHOWN LG/GL  
 DWN BY: LG/GL  
 DATE: JANUARY 2019  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbanek* Date: 1/22/12

CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 25+00 - 28+50

CONTRACT NO.  
 C00780  
 SHEET 14 OF 23  
 FILE NO. 2018-0007





City of  
Santa Rosa

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**FULTON ROAD RECONSTRUCTION**  
**OCCIDENTAL RD TO W 3RD ST**

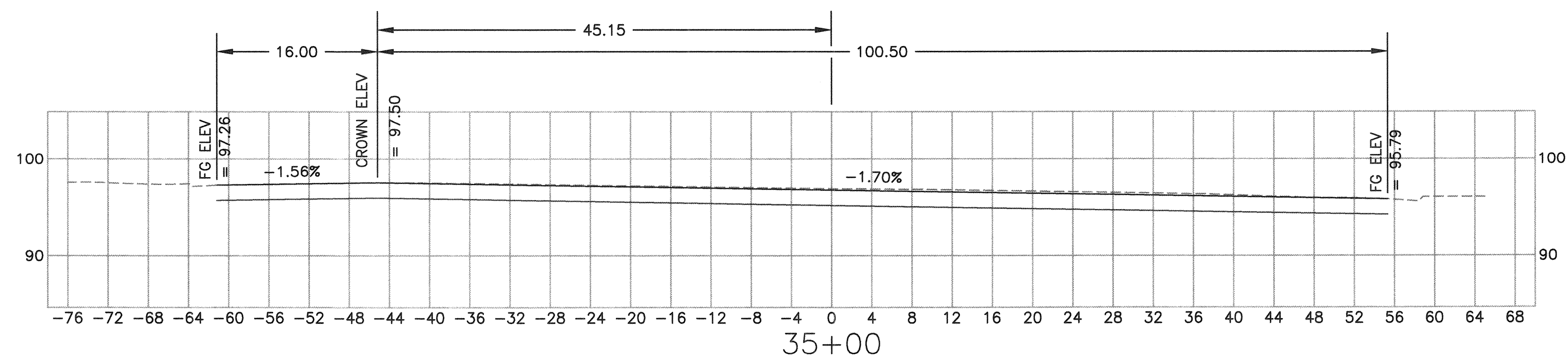
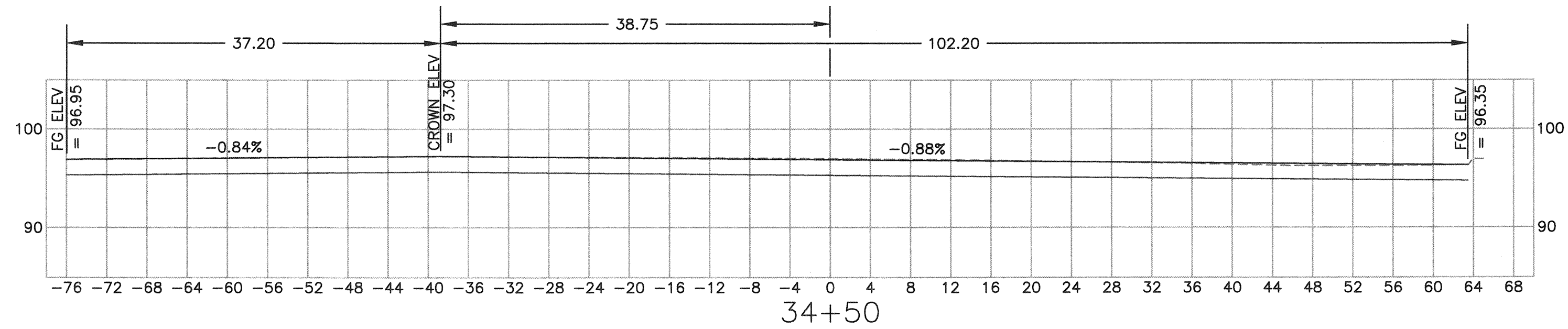
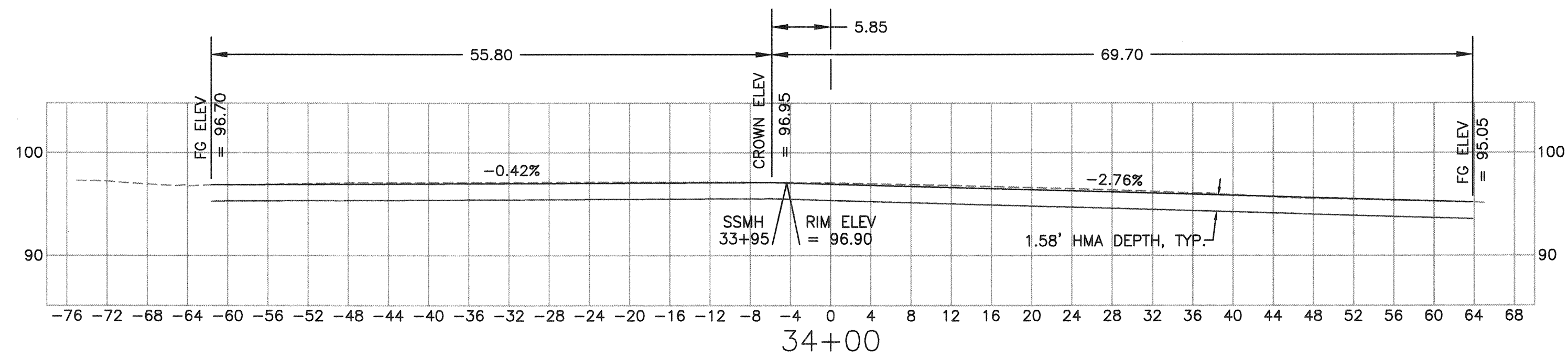
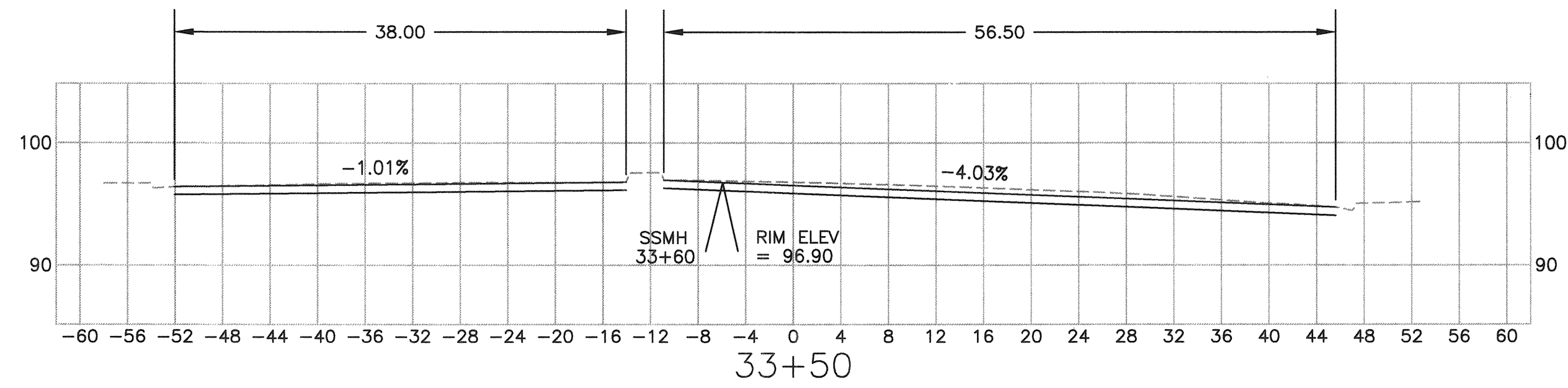
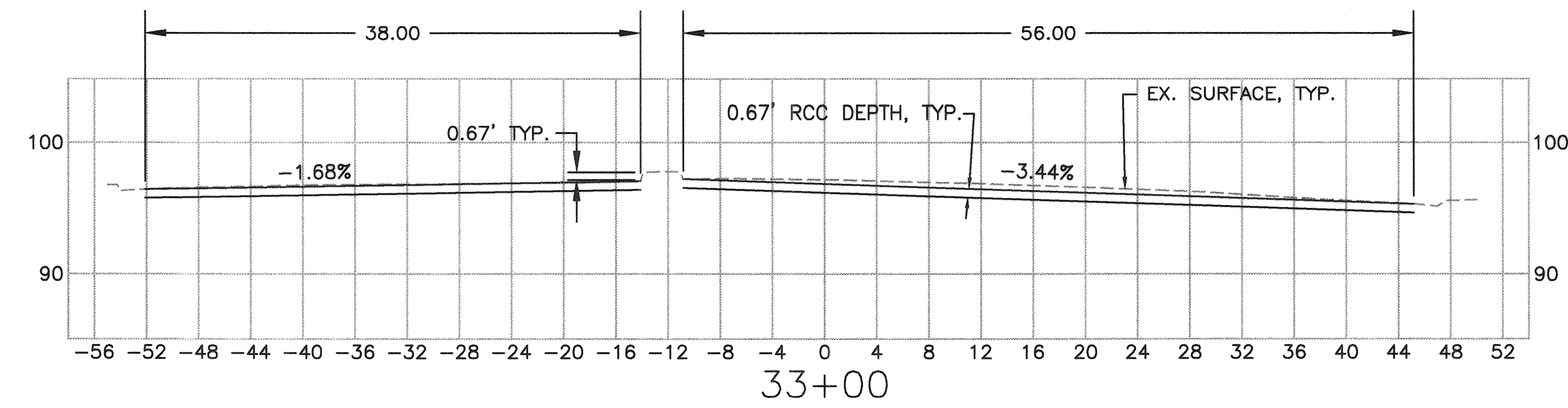
**SIREEI CROSS-SECTIONS**  
**STA. 29+00 - 32+50**

CONTRACT NO.  
C00780

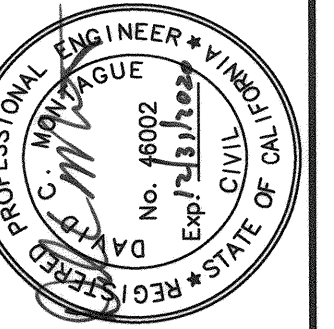
SHEET 15 OF 23

FILE NO. 2018-0007





CROSS SLOPES AND GRADE BREAKS SHOWN FOR NEW PAVING  
 HORZ. SCALE : 1" = 10'  
 VERT. SCALE : 1" = 10'



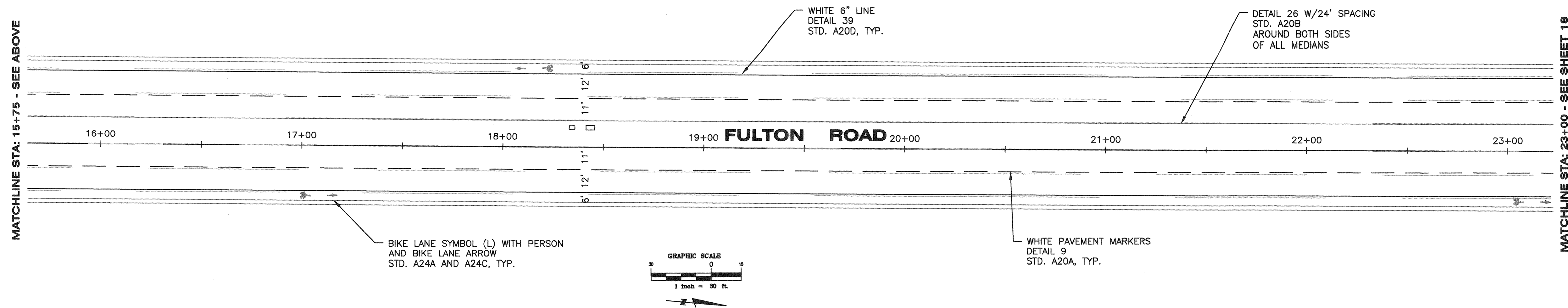
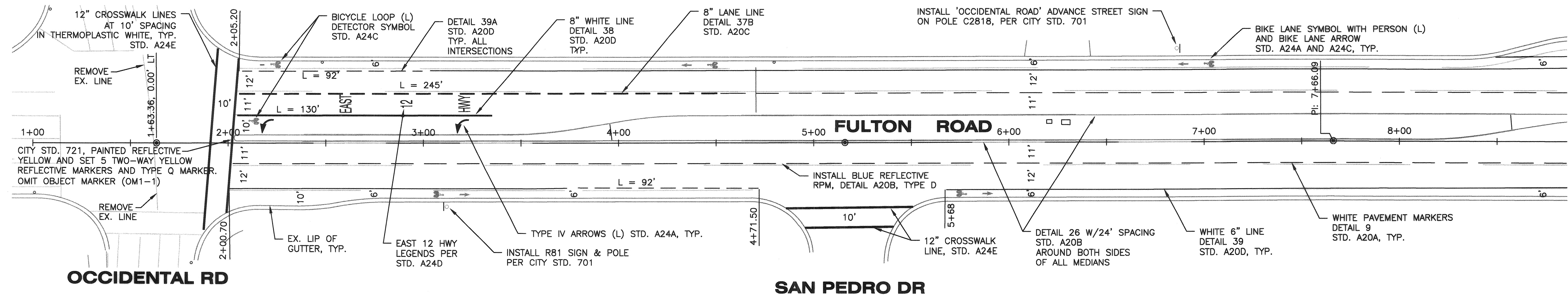
City of  
 Santa Rosa

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DATE: JANUARY 2019  
 SCALE: AS SHOWN  
 LG/GL  
 DWN BY: LG/GL  
 CHK BY: GD  
 APPROVED: Deputy Director - Engineering  
 By: *Lori Urbanek* Date: 1/22/19  
 Lori Urbanek

CITY OF SANTA ROSA  
 FULTON ROAD RECONSTRUCTION  
 OCCIDENTAL RD TO W 3RD ST  
 STREET CROSS-SECTIONS  
 STA. 33+00 - 35+00  
 CONTRACT NO. C00780  
 SHEET 16 OF 23  
 FILE NO. 2018-0007





City of  
Santa Rosa

[illegible]

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|-----------------|--------------------|
| SCALE: 1" = 30' | DATE: JANUARY 2019 |
| DWN BY: LG/GL   | CHK BY: GD         |

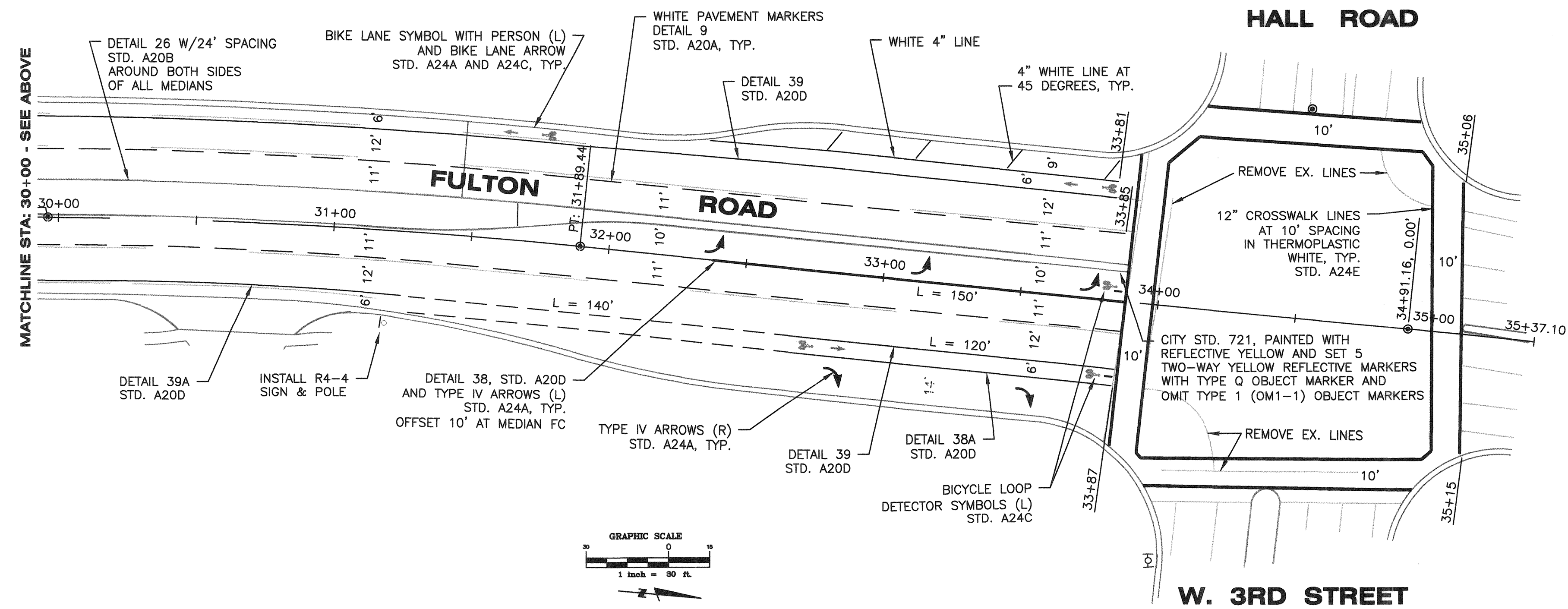
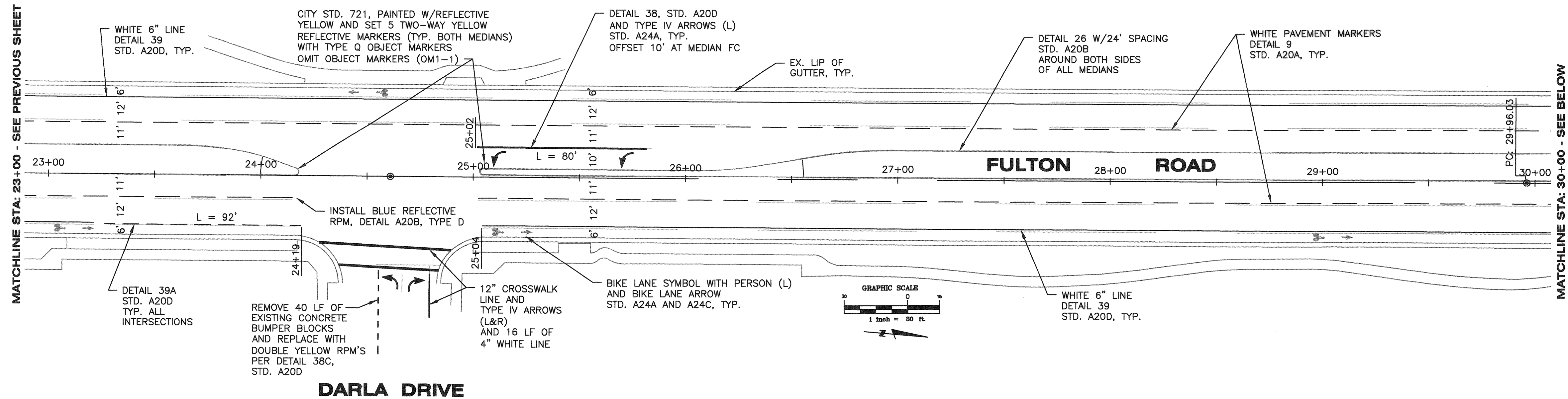
APPROVED: Deputy Director -- Engineering

By: *Don Velazquez* Date: 1/22/19

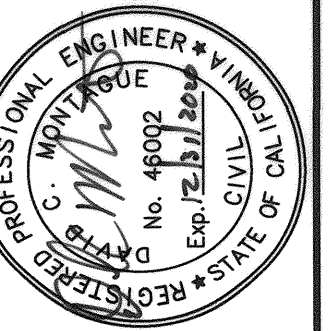
CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST  
SIGNING AND STRIPING PLAN  
STA. 1+00 TO 23+00

|                        |
|------------------------|
| CONTRACT NO.<br>C00780 |
| SHEET 17 OF 23         |
| FILE NO. 2018-000      |





NOTE: ALL STRIPING, LEGENDS, MARKINGS, AND SYMBOLS SHALL COMPLY WITH CONTRACT SPECIFICATIONS.



City of  
Santa Rosa

[illegible]

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| SCALE: 1" = 30'                            | DATE: JANUARY 2019 |
| DWN BY: LG/GL                              | CHK BY: GD         |
| APPROVED: Deputy Director - Engineering    |                    |
| BY: <u>Jim Urbonek</u> Date <u>1/24/19</u> |                    |
| Lori Urbonek                               |                    |

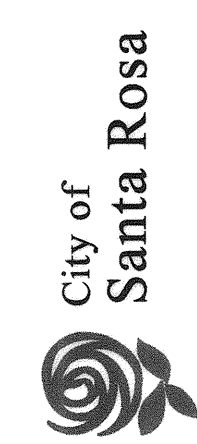
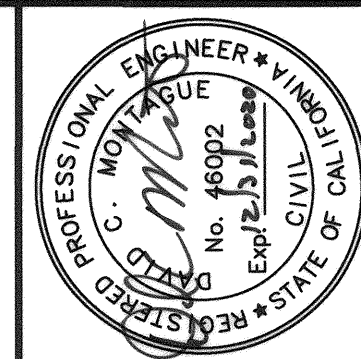
**CITY OF SANTA ROSA**  
**FULTON ROAD RECONSTRUCTION**  
**OCCIDENTAL RD TO W 3RD ST**

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**SIGNING AND STRIPING PLAN**  
**STA. 23+00 TO 35+00**

|                        |
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| CONTRACT NO.<br>C00780 |
| SHEET 18 OF 23         |
| FILE NO. 2018-0007     |





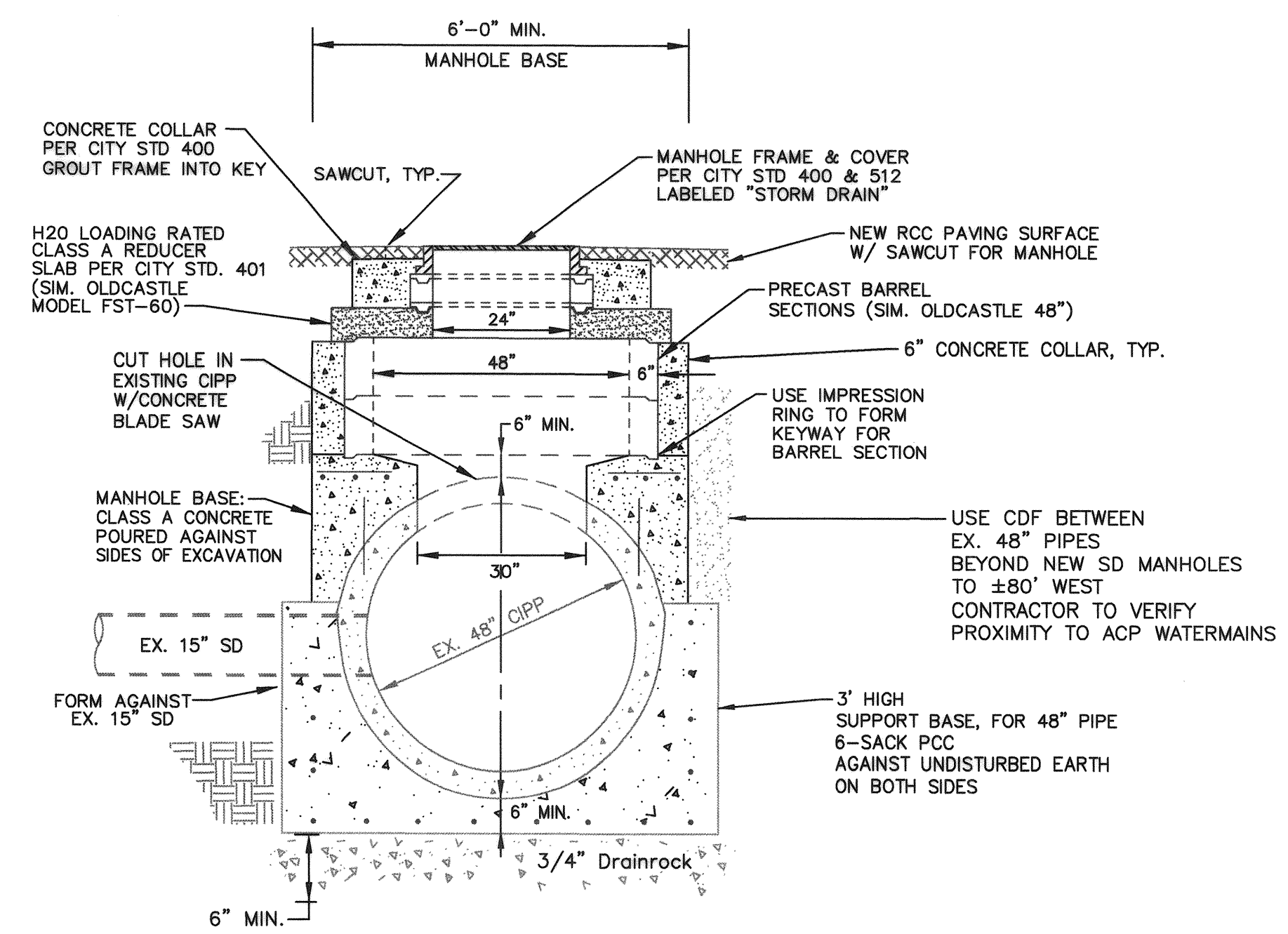
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| DATE: JANUARY 2019                      | CHK BY: GD        |
| SCALE: AS NOTED                         | DWN BY: LG/GL     |
| APPROVED: Deputy Director - Engineering | By: Lori Urbaneck |
| Date: 1/22/19                           |                   |

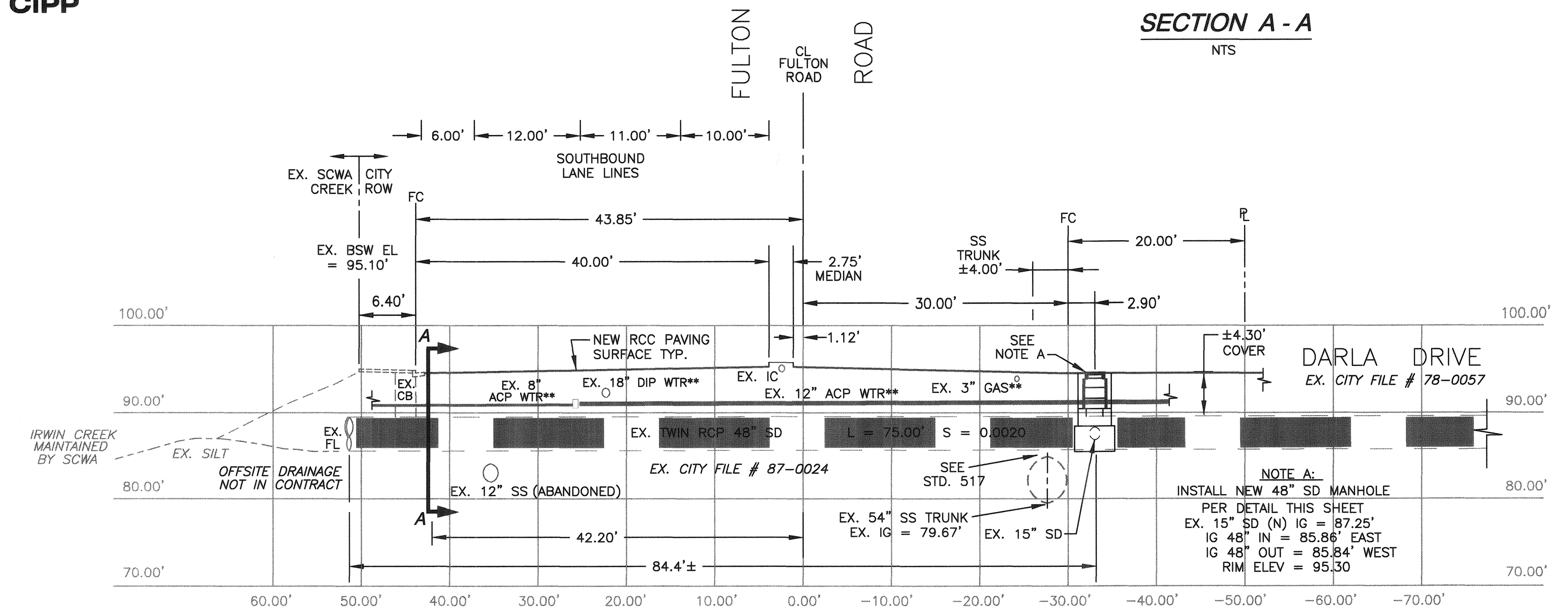
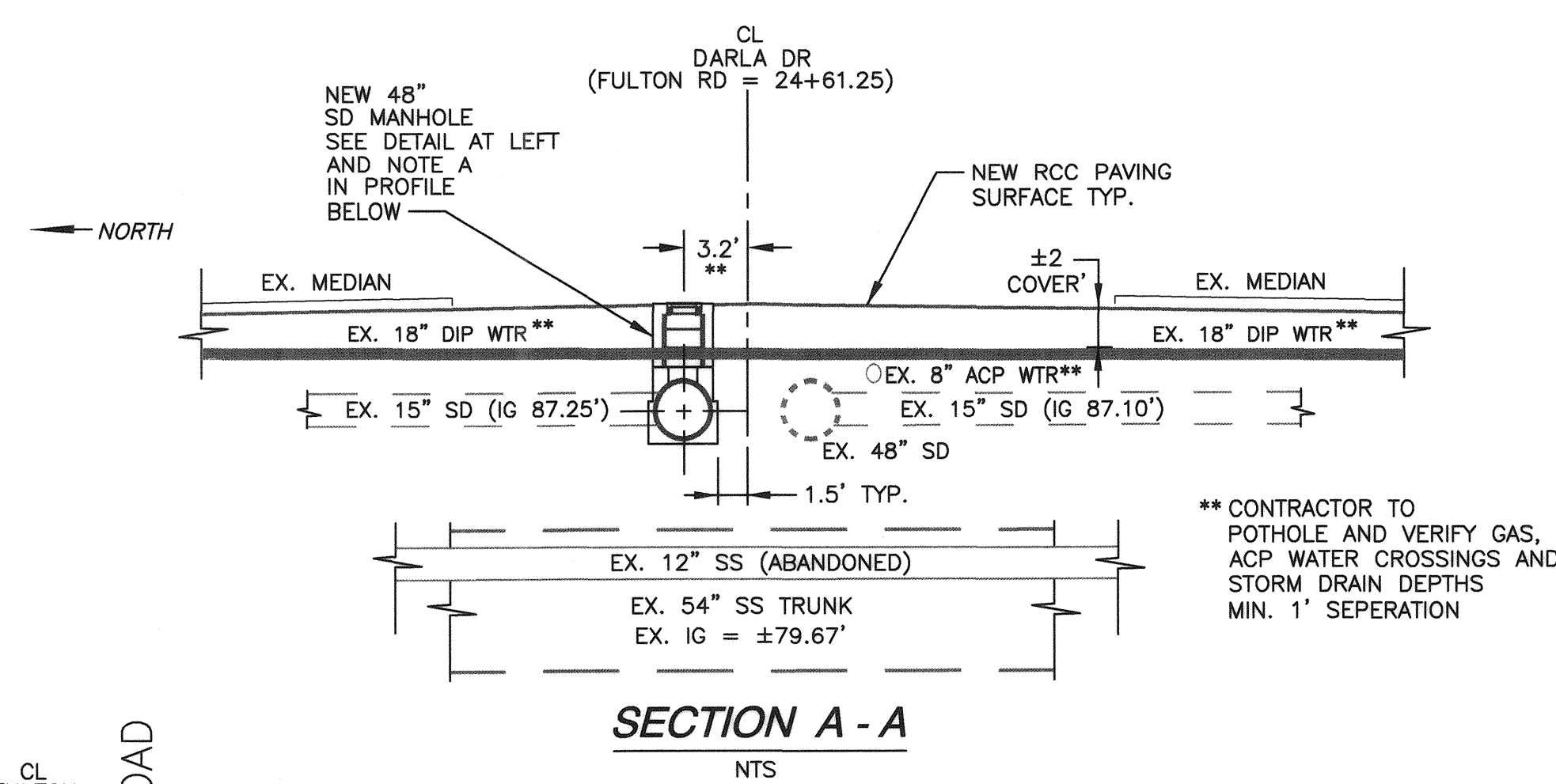
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|---------------------------------------------------------|---------------------|
| CITY OF SANTA ROSA                                      | CONTRACT NO. C00780 |
| FULTON ROAD RECONSTRUCTION<br>OCCIDENTAL RD TO W 3RD ST | SHEET 19 OF 23      |
| STORM DRAIN REPLACEMENT<br>STA. 24+61.25 AT FULTON ROAD | FILE NO. 2018-0007  |

# STORM DRAIN PIPE NOTES

- ALL CONCRETE IN REINFORCED CONCRETE STRUCTURES SHALL BE 3,000 PSI, PORTLAND CEMENT CONCRETE.
- ALL PIPE LENGTHS ARE MEASURED HORIZONTALLY, UNLESS OTHERWISE SHOWN.
- LOCATIONS OF PUBLIC UTILITIES SHOWN HAVE BEEN DETERMINED FROM BEST AVAILABLE INFORMATION. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE TRUE LOCATION OF ANY EXISTING UTILITIES AND TO EXERCISE PROPER PRECAUTIONS TO AVOID INJURY OR DAMAGE THERETO.
- PRIOR TO THE PLACEMENT OF STORM DRAIN IMPROVEMENTS, THE CITY MATERIALS ENGINEERING LAB SHALL VERIFY WITH THE CITY INSPECTOR THAT THE STORM DRAIN SUBGRADE IS OF ADEQUATE STRENGTH TO SUPPORT THE STRUCTURES AND ANY ANTICIPATED LOADS.
- ALL TRENCH EXCAVATIONS SHALL CONFORM TO STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS.
- MANHOLE RINGS AND COVERS SHALL BE COMPLY WITH ASTM A-48, CLASS 40 IRON, DIPPED TWICE IN ASPHALT OR COAL TAR OIL, HAVE 24" CLEAR OPENING, AND STAMPED 'STORM DRAIN' ON COVER.
- ALL FILL MATERIAL SHALL BE COMPACTED TO RELATIVE COMPACTION AS DETERMINED BY CITY MATERIALS ENGINEERING LAB.
- EXCEPT WHERE NOTED, ANY STORM DRAIN PIPE TO BE INSTALLED SHALL BE REINFORCED CONCRETE, CLASS III AND SHALL CONFORM TO REQUIREMENTS OF ASTM C76.
- ALL RCP SHALL HAVE RUBBER GASKETED JOINTS AND SHALL CONFORM TO REQUIREMENTS OF ASTM C443, AND SHALL PROVIDE WATERTIGHT PERFORMANCE CHARACTERISTICS.
- TONGUE AND GROOVE JOINTS SHALL NOT BE ALLOWED.
- THE MINIMUM COVERAGE FOR ALL STORM DRAINAGE PIPES SHALL BE MEASURED AT 1.5 FEET FOR CLASS III PIPE AND 1 FOOT FOR CLASS IV PIPE.
- BEDDING MATERIAL SHALL CONFORM TO CITY OF SANTA ROSA TRENCH STANDARD 215 AND SPECIFICATIONS.
- ALL MANHOLES SHALL BE CONCRETE AND CONFORM TO CITY STANDARD 400.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING ACP WATER PIPE AND COMPLY WITH STATE AND FEDERAL REGULATIONS FOR REPAIR OR DISPOSAL.
- CONTRACTOR IS RESPONSIBLE FOR SUPPLY, QUANTITY AND LENGTH OF ALL MATERIALS INCLUDING MANHOLE COMPONENTS, CONCRETE BASES, ALL PIPE, IRONWORK AND BARRELS.



PRELIMINARY CONCEPTUAL STORM DRAIN MANHOLE DESIGN WITH BARREL SECTIONS, BASE AND COLLAR OVER EX. CIPP  
NTS



STORM DRAIN PROFILE  
DARLA DRIVE & FULTON ROAD  
STA. 24+61.25

SCALE: 1" = 10' HORZ. AND VERT.  
SEE SHEET 4 FOR PLAN VIEW

\*\* CONTRACTOR TO POT HOLE AND VERIFY GAS, ACP WATER CROSSINGS AND STORM DRAIN DEPTHS MIN. 1' SEPERATION  
RECORD INFORMATION BASED ON SURVEY TOPOGRAPHY AND CITY FILE #78-0057 AND #87-0024

## STORM DRAIN MANHOLE NOTES

- MANHOLE BASES SHALL BE ALLOWED TO CURE FOR A MINIMUM OF SEVEN DAYS BEFORE PLACING BARREL SECTIONS AND BACKFILL.
- CONSTRUCTION OF MANHOLES SHALL CONFORM TO THE REQUIREMENTS OF CITY STD. 400 IN ALL OTHER WAYS.
- BARREL SECTIONS OF MANHOLE SHALL USE RAM-NEK OR EQUIVALENT AT KEYWAY SECTION JOINTS, TYPICAL.



LE NO. 2018-0007



OCCIDENTAL RD

FULTON ROAD

SAN PEDRO DR

COUNTRYSIDE DR

FULTON ROAD

SAN SEBASTIAN AVE

MATCHLINE  
STA: 5+40 - SEE ABOVE

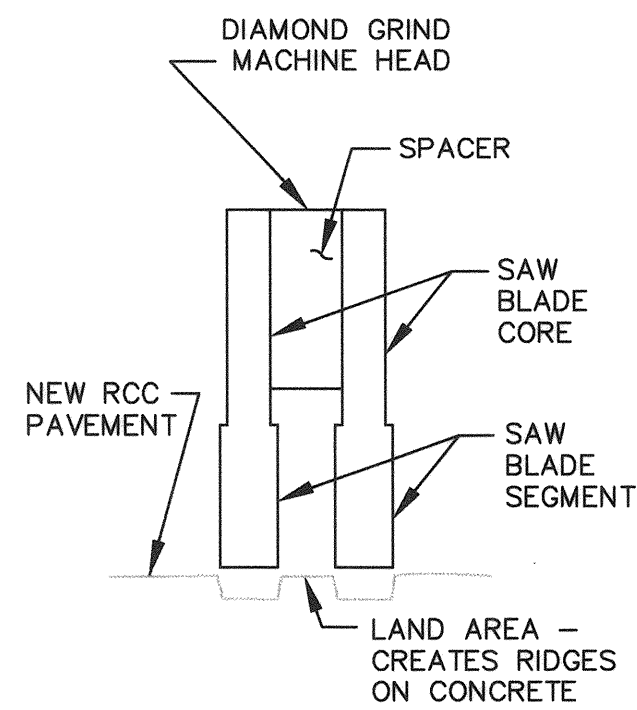
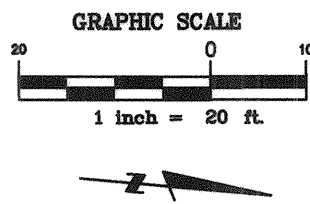
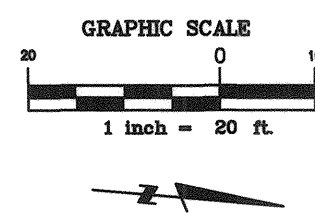
MATCHLINE  
STA: 11+30 - NEXT SHEET

1. JOINTS ARE EITHER COLD JOINTS, EXPANSION JOINTS, OR SAWCUT CONTRACTION JOINTS
2. EXPANSION JOINTS REQUIRED AT END OF DAY PAVING BETWEEN CONCRETES
3. TRANSVERSE JOINTS EVERY 12' SHALL BE CONTINUOUS ACROSS ROADWAY
4. LONGITUDINAL JOINTS SHALL BE AT LANE STRIPING LOCATIONS
5. SEE SHEET 22 FOR MANHOLE AND CATCH BASIN JOINTING DETAILS

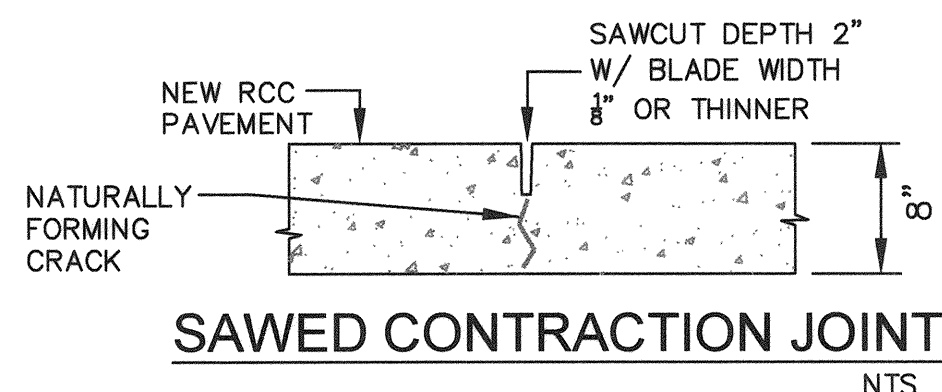
JOINTING PLAN NOTES

LEGEND

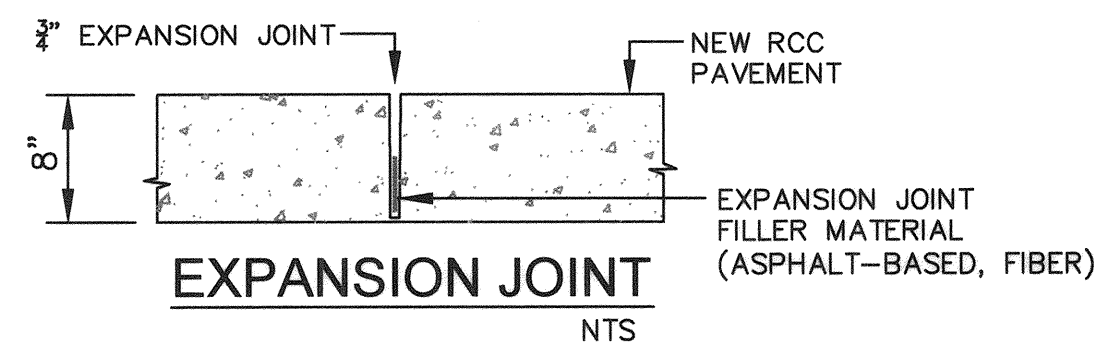
— LINES SHOWN ARE LOCATIONS OF JOINTS



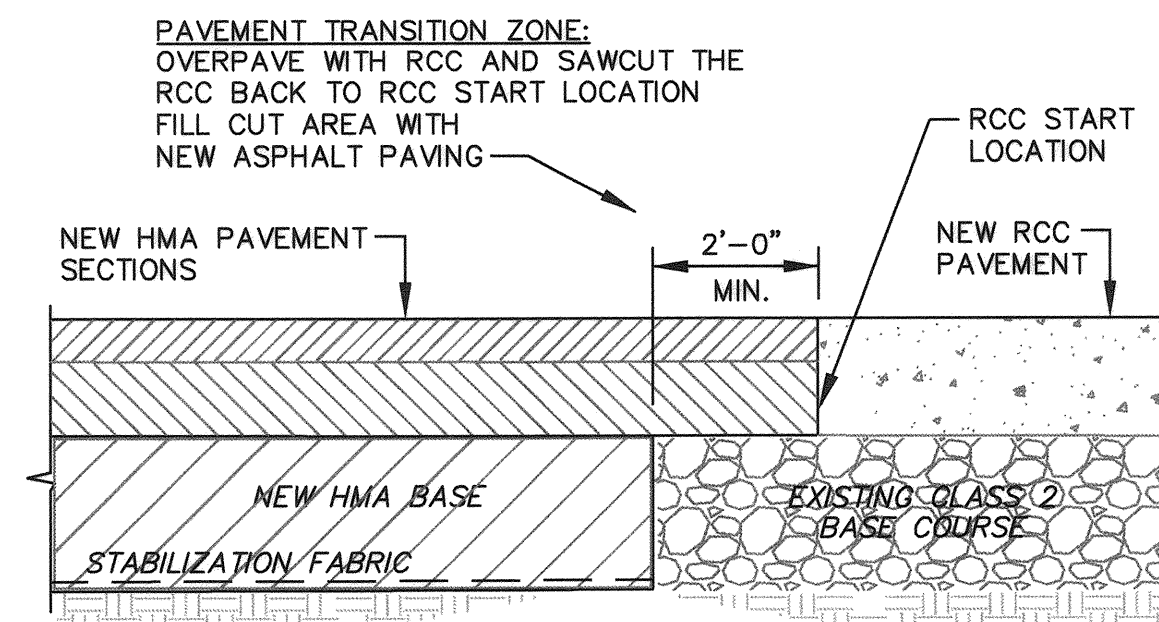
DIAMOND GRIND GROOVING  
NTS



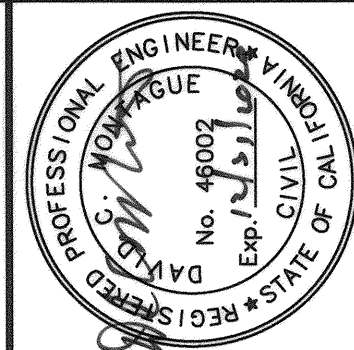
SAWED CONTRACTION JOINT  
NTS



EXPANSION JOINT  
NTS



COLD JOINT AT NEW PAVEMENT TRANSITION  
NTS



City of  
Santa Rosa

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SCALE: 1" = 20'  
DATE: JANUARY 2019  
DWN BY: CS/GL  
CHK BY: GD  
APPROVED: Deputy Director - Engineering  
By: *Lori Urbanek* Date: 1/23/19  
Lori Urbanek

CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST  
RCC JOINTING PLAN & DETAILS  
STA. 1+00 TO STA. 11+30

CONTRACT NO.  
C00780  
SHEET 21 OF 23  
FILE NO. 2018-0007

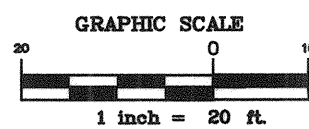


MATCHLINE  
STA: 11+30 - SEE PREVIOUS

MATCHLINE  
STA: 17+30 - SEE ABOVE

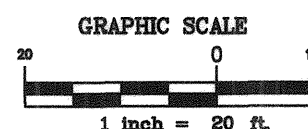
COLD JOINT  
BETWEEN EXISTING  
GUTTER AND NEW LANE, TYP.

FULTON ROAD



COLD JOINT  
BETWEEN EXISTING  
GUTTER AND NEW LANE, TYP.

FULTON ROAD



COLD JOINT  
BETWEEN EXISTING  
GUTTER AND NEW LANE, TYP.

COLD JOINT  
BETWEEN EXISTING  
GUTTER AND NEW LANE, TYP.

DARLA DR

MATCHLINE  
STA: 17+30 - SEE BELOW

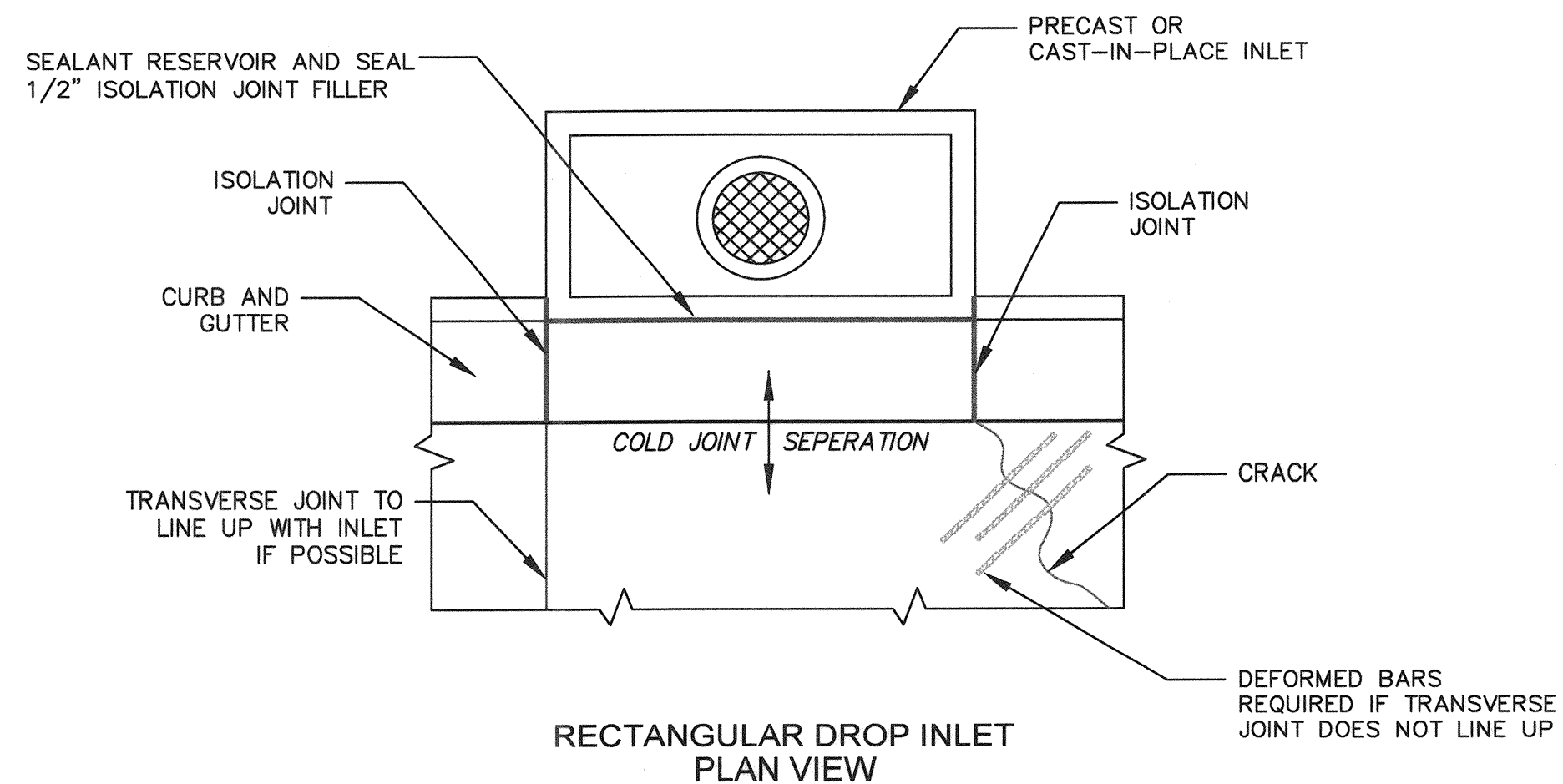
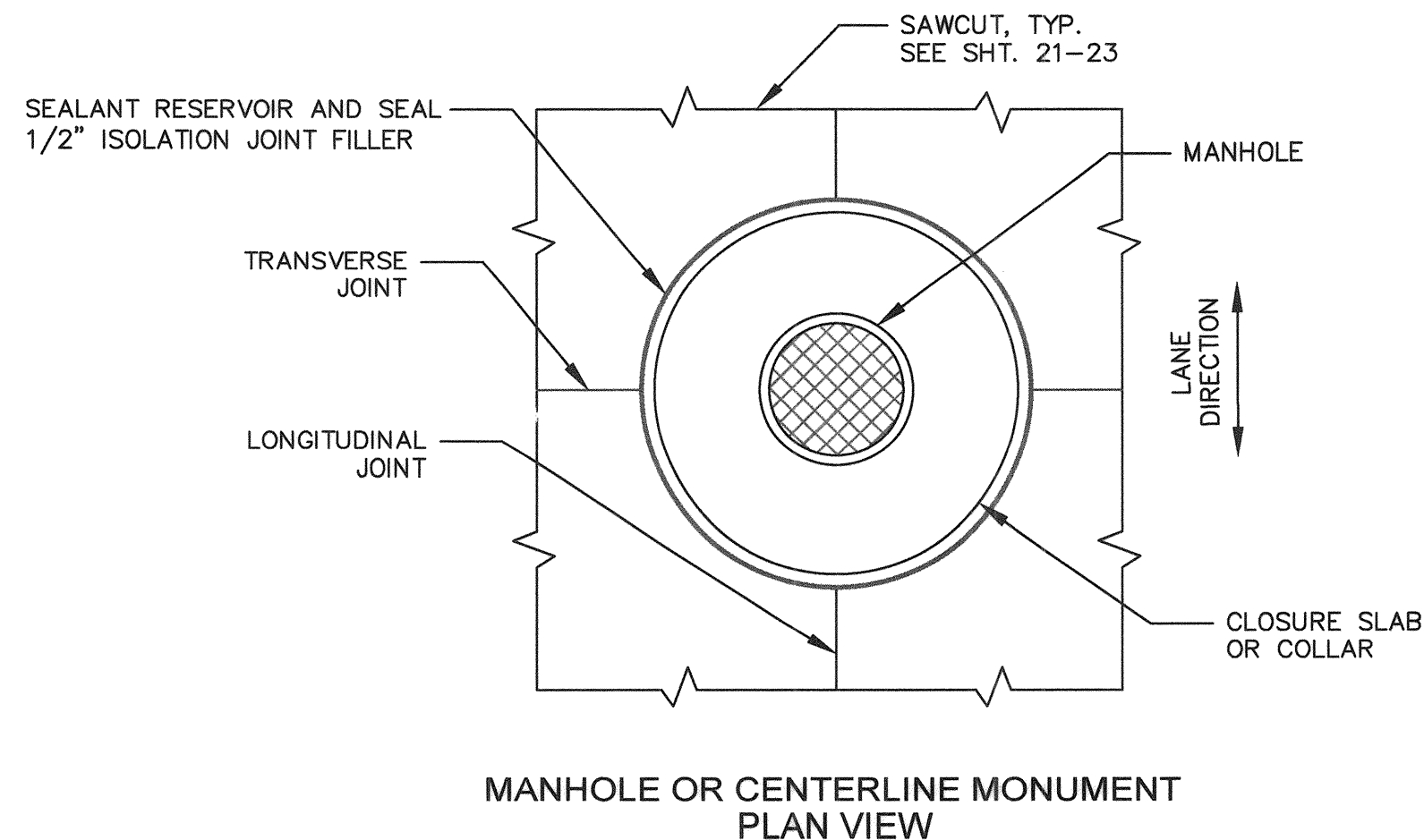
MATCHLINE  
STA: 23+35 - NEXT SHEET

### LEGEND

— LINES SHOWN ARE LOCATIONS OF JOINTS

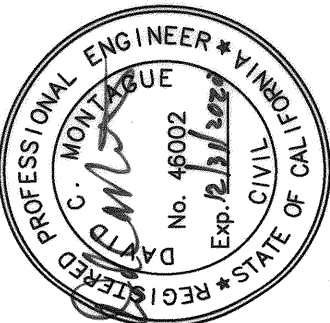
1. JOINTS ARE EITHER COLD JOINTS, EXPANSION JOINTS, OR SAWCUT CONTRACTION JOINTS
2. EXPANSION JOINTS REQUIRED AT END OF DAY PAVING BETWEEN CONCRETES
3. TRANSVERSE JOINTS EVERY 12' SHALL BE CONTINUOUS ACROSS ROADWAY
4. LONGITUDINAL JOINTS SHALL BE AT LANE STRIPING LOCATIONS
5. SEE SHEET 21 FOR COLD JOINT AT TRANSITION ZONE BETWEEN ASPHALT AND RCC

### JOINTING PLAN NOTES



### JOINTING DETAILS - MANHOLES AND CATCH BASIN

TYPICAL FOR SHEETS 21, 22 AND 23 OF THESE PLANS  
NOTE: NOT APPLICABLE FOR SURVEY MONUMENT WELL LOCATIONS  
OR WATER VALVE RISERS



City of  
Santa Rosa

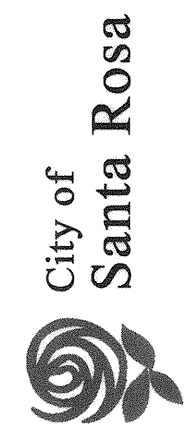
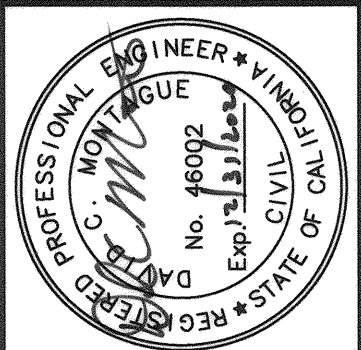
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DATE: JANUARY 2019  
CHK BY: GD  
APPROVED: Deputy Director - Engineering  
By: *Lori Urbonek* Date: 1/22/19  
Lori Urbonek

CITY OF SANTA ROSA  
FULTON ROAD RECONSTRUCTION  
OCCIDENTAL RD TO W 3RD ST  
RCC JOINTING PLAN & DETAILS  
STA. 11+30 TO STA. 23+35

CONTRACT NO.  
C00780  
SHEET 22 OF 23  
FILE NO. 2018-0007



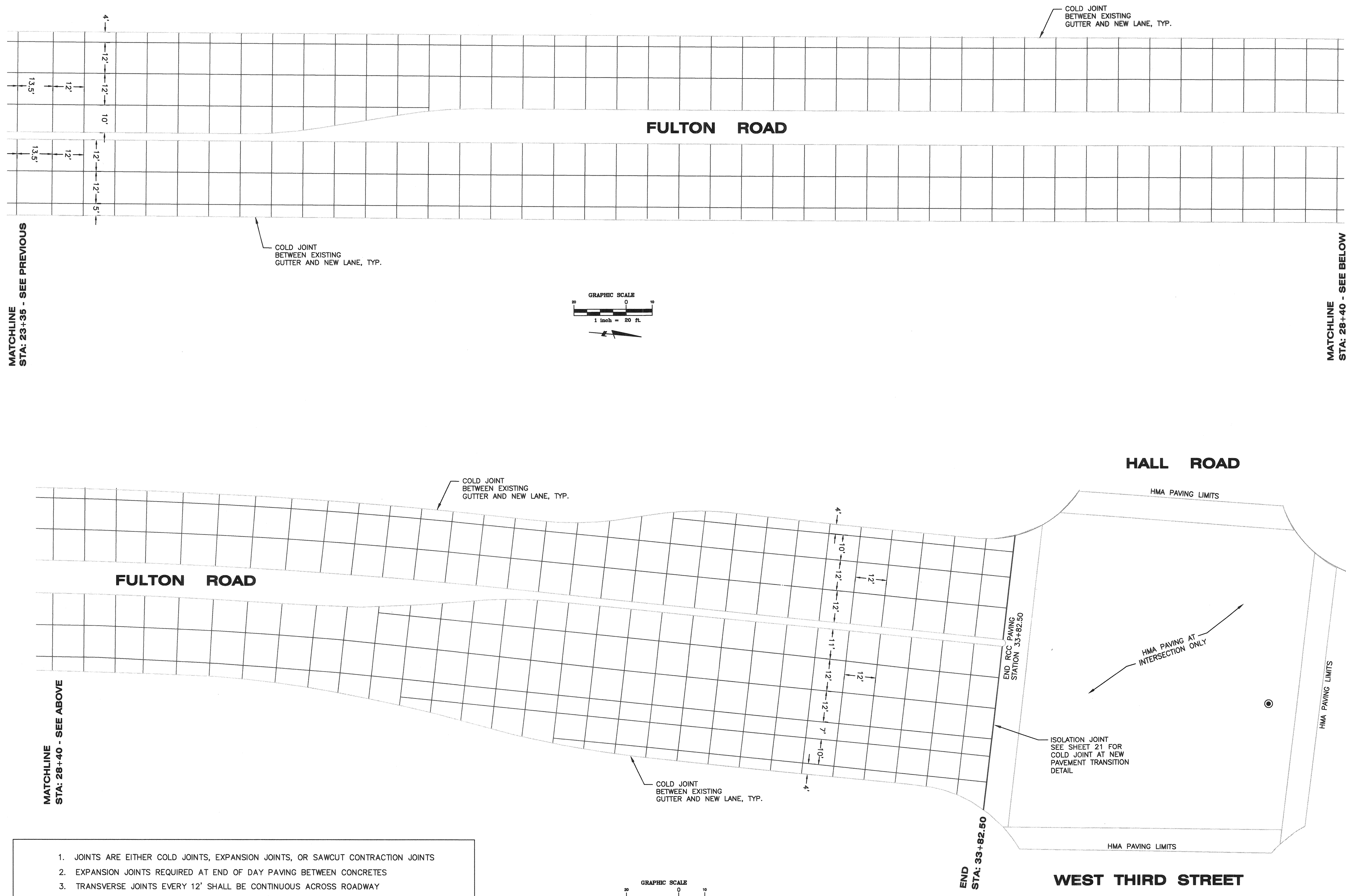


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| SCALE: 1" = 20'                         | DATE: JANUARY 2019 |
| DWN BY: CS/GL                           | CHK BY: GD         |
| APPROVED: Deputy Director - Engineering |                    |
| By: <i>Don Urbnek</i>                   | Date: 1/22/19      |

|                                                         |                          |
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| CITY OF SANTA ROSA                                      | RCC JOINING PLAN         |
| FULTON ROAD RECONSTRUCTION<br>OCCIDENTAL RD TO W 3RD ST | STA. 23+35 TO STA. 32+10 |

|                        |
|------------------------|
| CONTRACT NO.<br>C00780 |
| SHEET 23 OF 23         |
| FILE NO. 2018-0007     |



- JOINTING PLAN NOTES**
- JOINTS ARE EITHER COLD JOINTS, EXPANSION JOINTS, OR SAWCUT CONTRACTION JOINTS
  - EXPANSION JOINTS REQUIRED AT END OF DAY PAVING BETWEEN CONCRETES
  - TRANSVERSE JOINTS EVERY 12' SHALL BE CONTINUOUS ACROSS ROADWAY
  - LONGITUDINAL JOINTS SHALL BE AT LANE STRIPING LOCATIONS
  - SEE SHEET 21 FOR COLD JOINT AT TRANSITION ZONE BETWEEN ASPHALT AND RCC
  - SEE SHEET 22 FOR MANHOLE AND CATCH BASIN JOINTING DETAILS

**LEGEND**

— LINES SHOWN ARE LOCATIONS OF JOINTS