

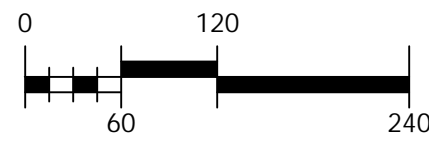
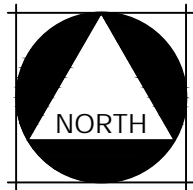
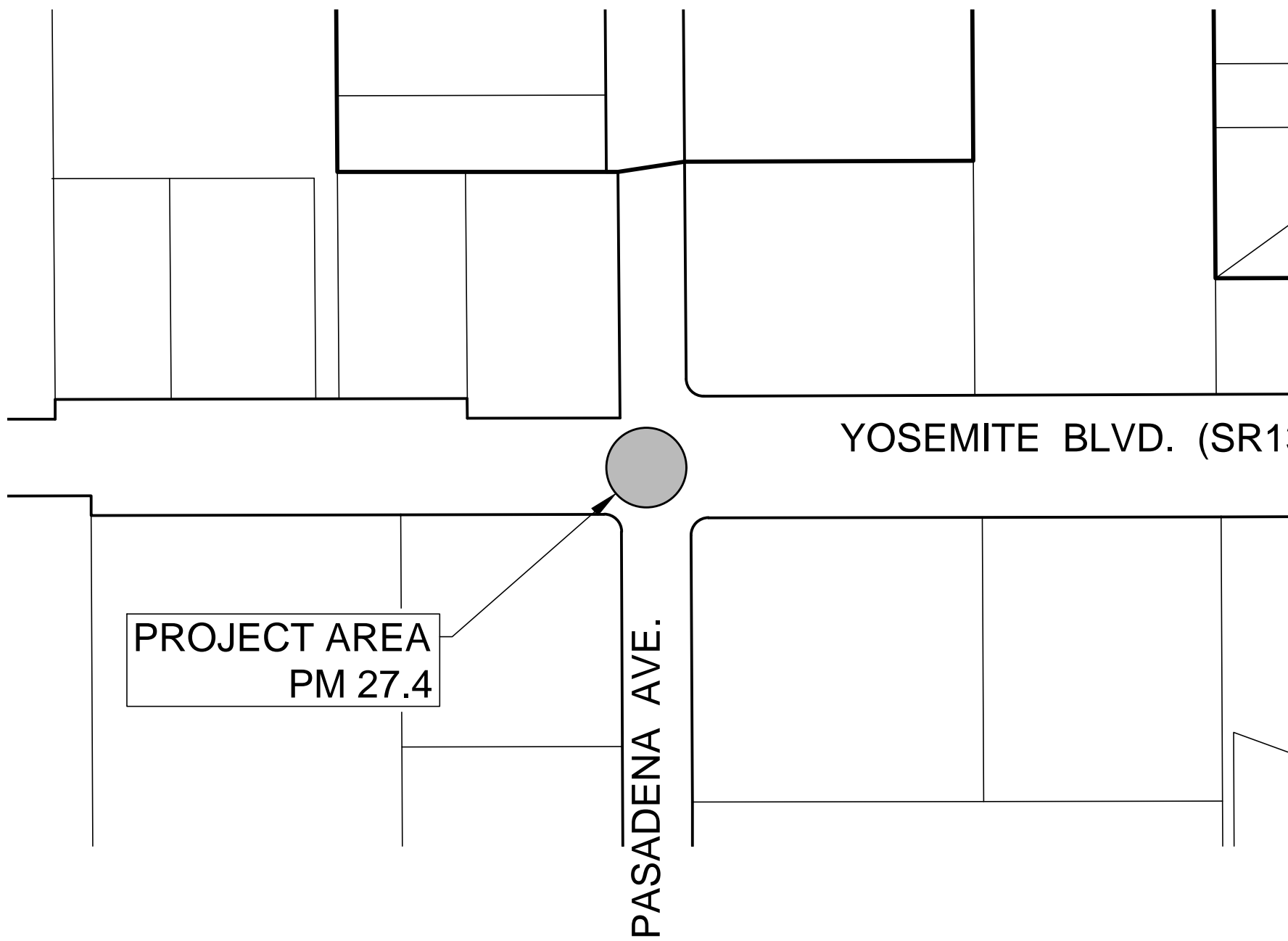
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY 132 (YOSEMITE BOULEVARD)
IN STANISLAUS COUNTY
IN WATERFORD

AT THE INTERSECTION OF PASADENA AVENUE

To be supplemented by the 2023 Caltrans Standard Plans, Specifications, and all Revisions.

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | CV-1 - TITLE & LOCATION MAP |
| 2 | NS-1 - NOTE SHEET & DETAILS |
| 3 | C-1 - TOPOGRAPHY & DEMOLITION PLAN |
| 4 | SP-1 - STRIPING PLAN |
| 5 | TH-1 - TRAFFIC HANDLING PLAN & DETAILS |
| 6 | E-1 - SIGNAL PLAN |
| 7 | E-2 - SIGNAL PLAN |



| DIST | COUNTY | ROUTE | POST MILE TOTAL PROJECT | SHEET No | TOTAL SHEETS |
|------|--------|-------|-------------------------|----------|--------------|
| 10 | STA | 132 | 27.401 | 1 | 7 |



MCR ENGINEERING, INC.
1242 DUPONT COURT
MANTECA, CA 95336

MCR ENGINEERING SHALL NOT BE RESPONSIBLE
FOR THE ACCURACY OR COMPLETENESS OF
ELECTRONIC COPIES OF THIS PLAN SHEET.

ABBREVIATIONS

| | | | |
|-------------|----------------------------|-------|--|
| @ | AT | MIN | MINIMUM |
| AB | AGGREGATE BASE | N | NORTH |
| AC | ASPHALT CONCRETE | NTS | NOT TO SCALE |
| BC | BEGIN CURVE | OG | ORIGINAL GROUND / GRADE |
| BDRY | BOUNDARY | P | PAVEMENT |
| BFV | BUTTERFLY VALVE | PP | POWER POLE |
| BVC | BEGIN VERTICAL CURVE | PL | PROPERTY LINE |
| C & G | CURB AND GUTTER | PRC | POINT OF REVERSE CURVATURE |
| CIP | CAST IN PLACE | PT | POINT |
| CL | CENTER LINE | PUE | PUBLIC UTILITY EASEMENT |
| CO | CLEAN OUT | PVC | POLYVINYL CHLORIDE PIPE |
| CONC | CONCRETE | RGRCP | RUBBER GASKETED REINFORCED CONCRETE PIPE |
| C.O.W. | CITY OF WATERFORD | RET | RETURN |
| CB | CATCH BASIN | R | RADIUS |
| DIA | DIAMETER | SHT | SHEET |
| DIP | DUCTILE IRON PIPE | SNS | STREET NAME SIGN |
| DW | DRIVEWAY | STA | STATION |
| D OR SD | DRAIN OR STORM DRAIN | STD | STANDARD |
| EC | END OF CURVE | S/W | SIDEWALK |
| ELEV | ELEVATION | SS | SANITARY SEWER |
| EP | EDGE OF PAVEMENT | S | SEWER |
| ESMT | EASEMENT | TC | TOP OF CURB |
| EVC | END OF VERTICAL CURVE | TEMP | TEMPORARY |
| EX OR EXIST | EXISTING | TG | TOP OF GRATE |
| FH | FIRE HYDRANT | THRU | THROUGH |
| FL | FLOW LINE | TI | TRAFFIC INDEX |
| GB | GRADE BREAK | TOW | TOP OF WALL |
| HORIZ | HORIZONTAL | TYP. | TYPICAL |
| HP | HIGH POINT | VERT | VERTICAL |
| INV | INVERT | VCP | VITRIFIED CLAY PIPE |
| IRR | IRRIGATION | W | WATER |
| LF | LINEAL FEET OR LINEAR FEET | WS | WATER SERVICE |
| LP | LOW POINT | WV | WATER VALVE |
| MAX | MAXIMUM | ± | PLUS OR MINUS (NOT EXACT) |
| MH | MANHOLE | | |

LEGEND

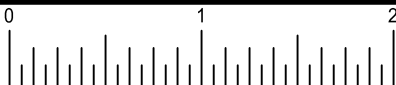
| ITEM | EXISTING | PROPOSED |
|----------------------|----------|----------|
| WATER VALVE | | |
| AIR RELEASE VALVE | | |
| BLOWOFF | | |
| FIRE HYDRANT | | |
| WATER METER | | |
| SEWER MANHOLE | | |
| STORM MANHOLE | | |
| DRAIN INLET | | |
| CURB INLET | | |
| CLEANOUT | | |
| SEWER MANHOLE NUMBER | | |
| STORM MANHOLE NUMBER | | |
| WATER LINE | | |
| SANITARY SEWER | | |
| STORM DRAIN | | |
| TYPICAL ELECTROLIER | | |
| TYPICAL LUMINAIRE | | |
| ELECTRICAL VAULT | | |
| SURVEY MONUMENT | | |

| ITEM | EXISTING | PROPOSED |
|-----------------------------------|----------|----------|
| UTILITY POLE | | |
| SIGNAGE | | |
| ELEVATION | | |
| DIRECTION OF FLOW | | |
| ORIGINAL GROUND | | |
| BARBED WIRE FENCE | | |
| WOOD FENCE | | |
| RETAINING WALL | | |
| MASONRY WALL | | |
| CURB, GUTTER & SIDEWALK | | |
| TYPICAL RETURN WITH HANDICAP RAMP | | |

TITLE & LOCATION MAP
CV-1

Contract No.

EA 000000



Project Engineer
Registered Civil Engineer

Date

Plans Approval Date

[illegible]

EVUD-A - Ø2,Ø5

EVUD-B - Ø4,Ø7

EVUD-C - Ø6,Ø1

EVUD-D - Ø8,Ø3

Ø6P

Ø6

Ø1

Ø5

Ø2

Ø2P

Ø6P

Ø6

Ø2

Ø2P

Ø7

Ø3

Ø8P

Ø4P

Ø4

Ø8

Ø8P

Ø7

Ø3

Ø8P

Ø4P

Ø4

Ø8

Ø8P

PHASE DIAGRAM

LEGEND

⊙

EXISTING EQUIPMENT

⊙

NEW SIGNAL EQUIPMENT

□

PULL BOX

TRAFFIC SIGNAL CONDUIT

— SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR EXPLANATION OF OTHER SYMBOLS AND ABBREVIATIONS.

TYPE "A"

10'

10'

10'

1'

TYPE "D" (5 TURNS, TYP.)

DETECTOR PLACEMENT DETAIL (TYPICAL)

1"=20'

PASADENA AVE

YOSEMITE AVE (SR 132)

SIGNAL STANDARD PLACEMENT DIMENSIONS

110L-T

110U-L

5J9L

5J1U

213U

214U

213L

214L

212U

185' TO LIMIT LINE (35 MPH DESIGN)

2" C, 1DLC

2" C, 2DLC

2" C, 7DLC

2" C, 4DLC

2" C, 3CSC, 12CSC, 2 APS CABLE

2" C, 7DLC

2" C, 1DLC

185' TO LIMIT LINE (35 MPH DESIGN)

6J2U

6J4U

6J3U

111U

119U

110U-L

110L-T

6J4L

6J3L

2" C, 2DLC

2" C, 7DLC

2" C, 4DLC

2" C, 2#6 (LIGHTING)

2" C, 3#2 TO SERVICE POINT

2" C, 2#6

5' MIN.

PCC PAD

EX WALK

6(E)(T)

5(T)

3

1

4

CONSTRUCTION NOTES (THIS SHEET ONLY)

1 FURNISH AND INSTALL TYPE III-CF SERVICE ENCLOSURE. REFER TO CIRCUIT BREAKER SCHEDULE SHEET E-2.

2 REMOVE AND SALVAGE STREET LIGHT.

3 INSTALL DEPARTMENT FURNISHED MODEL 332LS CONTROLLER CABINET, MODEL 2070LX CONTROLLER UNIT AND BBS INVERTER WITH CONTRACTOR FURNISHED BBS CABINET, BATTERIES AND TYPE 1 CELLULAR ROUTER. FRONT DOOR SHALL OPEN TO THE EAST.

4 INSTALL 2" C, 3#2 TO M.I.D. SERVICE POINT. COORDINATE WITH M.I.D. FOR SERVICE POINT LOCATION AND VOLTAGE PRIOR TO START OF WORK. CONTRACTOR SHALL PROVIDE A UTILITY APPROVED BOX WITH ONE (1) EXTENSION AND CONCRETE LID MARKED "ELECTRIC" 18" AWAY FROM SERVICE POINT. CONTRACTOR SHALL PROVIDE 6' OF SLACK CONDUCTOR AT THIS BOX FOR UTILITY CONNECTION. THE SERVICE PEDESTAL METER PANEL SHALL BE UTILITY APPROVED PRIOR TO FABRICATION. TO OBTAIN APPROVAL OF METER PANEL, THE CONTRACTOR SHALL SUBMIT PANEL DRAWINGS FOR REVIEW. CONTRACTOR SHALL MAKE "APPLICATION FOR ELECTRIC SERVICE" TO OBTAIN AN ELECTRICAL INSPECTION PRIOR TO THE ENERGIZING OF THE SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SERVICE INSTALLATION.

5 HEIGHT OF POLE SHALL BE 27 FEET.

6 HEIGHT OF POLE SHALL BE 26 FEET.

7 FURNISH AND INSTALL TYPE 1 CAMERA, MOUNTING HARDWARE, CABLE AND CABINET COMPONENTS. INSTALL CAMERA PER STANDARD PLAN ES-7R, "DETAIL D".

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

DETAIL "A"

N.T.S.

POLE LOCATION TABLE

| LOCATION | DIM. A | DIM. B |
|----------|--------|--------|
| (A) | 0.0' | 8.2' |
| (B) | 9.3' | 9.7' |
| (C) | 9.5' | 3.0' |
| (D) | 2.7' | 6.3' |
| (E) | 8.1' | 7.9' |
| (F) | 11.4' | 2.5' |
| (G) | 3.5' | 9.0' |
| (H) | 11.6' | 7.8' |
| (I) | 2.2' | 8.0' |
| (J) | 10.3' | 5.7' |
| (K) | 10.4' | 7.2' |
| (L) | 6.7' | 5.4' |

POLE DESIGNATION/LOCATION

EXISTING EQUIPMENT

NEW SIGNAL EQUIPMENT

PULL BOX

TRAFFIC SIGNAL CONDUIT

— SEE CALTRANS STANDARD PLANS ES-1A AND ES-1B FOR EXPLANATION OF OTHER SYMBOLS AND ABBREVIATIONS.

TYPE "A"

10'

10'

10'

1'

TYPE "D" (5 TURNS, TYP.)

DETECTOR PLACEMENT DETAIL (TYPICAL)

LOOP SPLICING DIAGRAM FOR 1 TYPE D LOOP AND 3 TYPE A LOOPS CONNECTED TO 1 DLC. WHEN 2 DLC'S ARE USED, ISOLATE THE 1 TYPE D AND SERIES THE 3 TYPE A LOOPS.

SIGNAL PLAN

STATE ROUTE 132 / PASADENA AVENUE

SCALE 1"=20'

E-1

DIST

COUNTY

ROUTE

POST MILE

SHEET No

TOTAL SHEETS

10

Sta

132

27.4

1

7

2/6/24

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

MCR ENGINEERING, INC.

1242 DUPONT COURT

MANTECA, CA 95336

TEL: (209) 239-6229

FAX: (209) 239-8839

MPB DESIGN, INC.

mike@mpb.design

916.316-8111

