Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

September 19, 2025
PLANS APPROVAL DATE

Andre Totari
No. C94691
Exp. 6-30-27
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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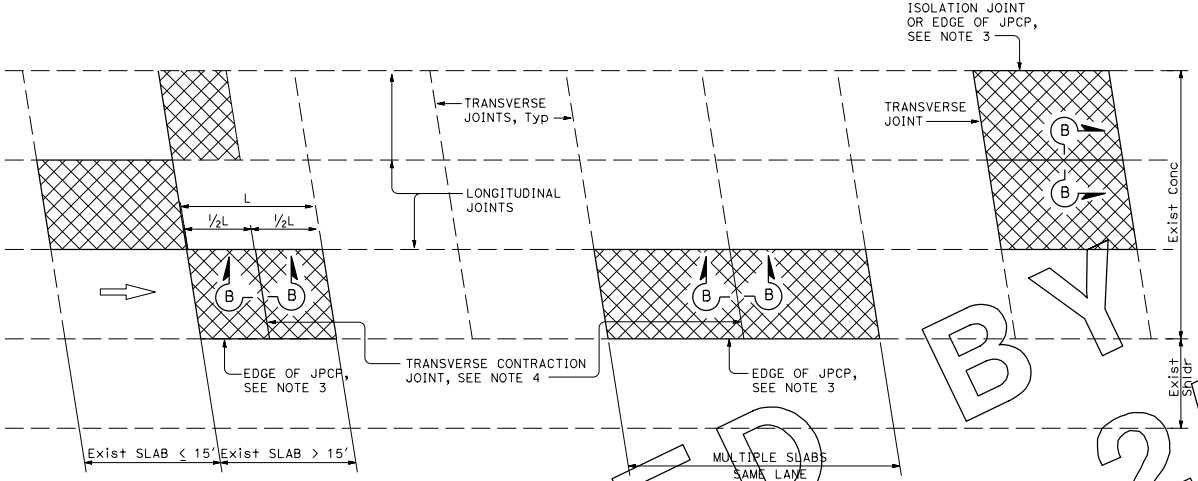
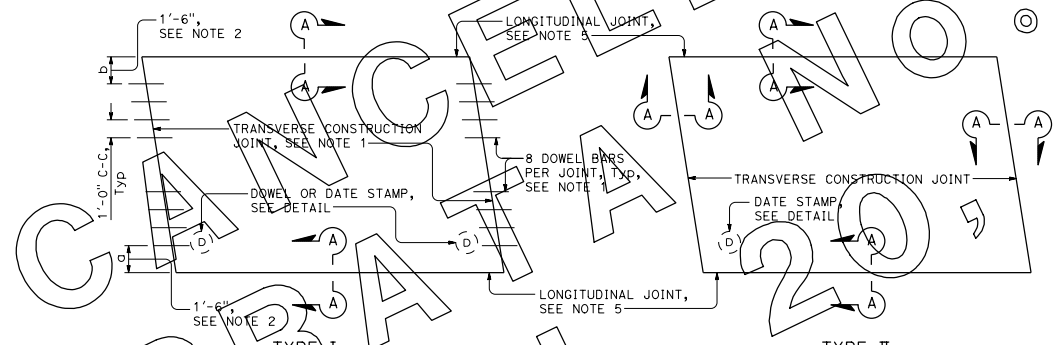
CANCELED BY DOT ON APRIL 2026



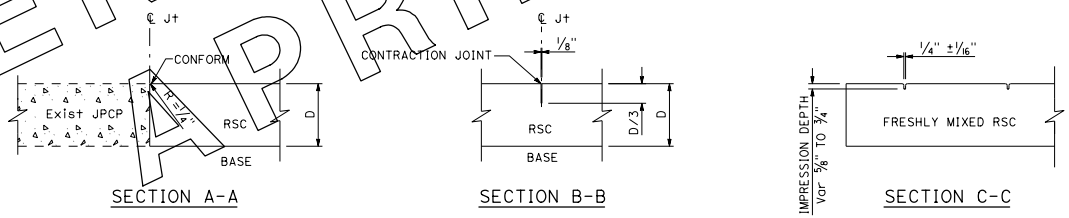
PLAN



TYPE I
See Design Note 1

TYPE II
See Design Note 2

SLAB LAYOUT



SECTION A-A

SECTION B-B

SECTION C-C

NOTES:

1. For details not shown, see Standard Plan P10.
2. Where the existing outside shoulder is asphalt concrete pavement, "a" = 1'-0" and "b" = 2'-0".
3. Use side forms where edge of RSC pavement is adjacent to asphalt concrete.
4. Transverse contraction joint to match skew of existing joint. Omit dowel bars.
5. Do not place tie bars at longitudinal joints.

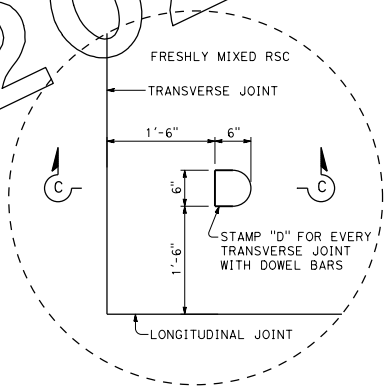
DESIGN NOTES:

1. For concrete slab repair with > 5 years design life.
2. For short term repairs with 5 years or less design life or for slab replacements with cracking and seating.

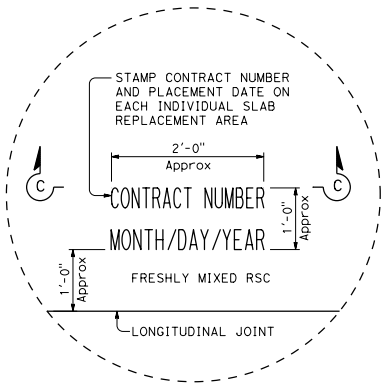
LEGEND:

RSC RAPID STRENGTH CONCRETE

INDIVIDUAL SLAB REPLACEMENT WITH RSC



DOWEL STAMP DETAIL



DATE STAMP DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

INDIVIDUAL SLAB REPLACEMENT WITH RAPID STRENGTH CONCRETE

NO SCALE

P8

2025 STANDARD PLAN P8

7-1-25

A

AB	AGGREGATE BASE
ABBC	ASBESTOS BONDED BITUMINOUS COATED
ABM	AIR-BLOWN MORTAR
Abn	ABANDON
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
Abut	ABUTMENT
AC	ASPHALT CONCRETE
AC+	UNGROUNDED CONDUCTOR
ACB	ASPHALT CONCRETE BASE
ACC	ARMOR-CLAD CONDUCTORS
ACP	ASBESTOS CEMENT PIPE
Adj	ADJUST, ADJUSTABLE, ADJACENT
ADL	ADDED DEAD LOAD
ADT	AVERAGE DAILY TRAFFIC
AFES	ALTERNATIVE FLARED END SECTION
AGT	APPROACH GUARDRAIL TRANSITION
Ahd	AHEAD
AIC	AUXILIARY IRRIGATION CONTROLLER
Alt	ALTERNATE, ALTERNATIVE
AM	TIME FROM MIDNIGHT TO NOON
Amend	AMENDMENT
AP	ALTERNATIVE PIPE
APC	ALTERNATIVE PIPE CULVERT
Approx	APPROXIMATE
APS	ACCESSIBLE PEDESTRIAN SIGNAL
APU	ALTERNATIVE PIPE UNDERDRAIN
ARS	ACCELERATION RESPONSE SPECTRUM
ARV	AIR RELEASE VALVE
AS	AGGREGATE SUBBASE
ASP	ALTERNATIVE SLOTTED PIPE
ASRP	ALUMINUM SPIRAL RIB PIPE
Assy	ASSEMBLY
ATPB	ASPHALT TREATED PERMEABLE BASE
ATPM	ASPHALT TREATED PERMEABLE MATERIAL
Auto	AUTOMATIC
Aux	AUXILIARY
AVB	ATMOSPHERIC VACUUM BREAKER
Ave	AVENUE
Avg	AVERAGE

B

B & B	BALLED AND BURLAPPED
BAGR	BRIDGE APPROACH GUARD RAILING
Batt	BATTERY
BB	BEGINNING OF BRIDGE
B/B	BRASS/BRONZE
B/B/Pl	BRASS/BRONZE/PLASTIC
B-B	BACK-TO-BACK
BBS	BATTERY BACKUP SYSTEM
BC	BEGIN HORIZONTAL CURVE, BOLT CIRCLE
BCR	BEGIN CURB RETURN
Beg	BEGIN
BFM	BONDED FIBER MATRIX
Bit Ctd	BITUMINOUS COATED
Bk	BACK
Bkf	BACKFILL
Bldg	BUILDING
Blk	BLACK
BLM	BRIDGE-LOG MILE
Blvd	BOULEVARD
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
Bot	BOTTOM

B continued

BP	BOOSTER PUMP, BYPASS
BPA	BACKFLOW PREVENTER ASSEMBLY
BPB	BICYCLE PUSH BUTTON
BPE	BACKFLOW PREVENTER ENCLOSURE
B/Pl	BRASS/PLASTIC
Br	BRIDGE
Brg	BEARING
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE

C

C	CONDUIT, CHANNEL (STRUCTURAL STEEL SHAPE)
CAA	CABLE ANCHOR ASSEMBLY
CAP	CORRUGATED ALUMINUM PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CARV	COMBINATION AIR RELEASE VALVE
CAS	CONSTRUCTION AREA SIGN
Cat6	CATEGORY 6 AUGMENTED CABLE
CB	CONCRETE BARRIER, CIRCUIT BREAKER, COUPLING BAND, COMPOST BERM
CBW	CONCRETE BLOCK WALL
C-C	CENTER TO CENTER
CCA	CAM COUPLER ASSEMBLY
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CONTROLLER ENCLOSURE CABINET
CG	CENTER OF GRAVITY
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
Chnl	CHANNEL
CI	CAST IRON
CIDH	CAST-IN-DRILLED-HOLE
CIP	CAST-IN-PLACE, CAST IRON PIPE
CIPCP	CAST IN PLACE CONCRETE PIPE
CISS	CAST-IN-STEEL-SHELL
CJP	COMPLETE JOINT PENETRATION
Ckt	CIRCUIT
CL	CHAIN LINK
CL-6	CHAIN LINK FENCE (6 FT)
Cl	CLASS
Clr	CLEAR, CLEARANCE
CM	CENTER MARGIN LIGHT
CMP	CORRUGATED METAL PIPE
CMS	CHANGEABLE MESSAGE SIGN
CNC	CONTROL AND NEUTRAL CONDUCTORS
Cntl	CONTROL
Co	COUNTY
Col	COLUMN
Comm	COMMUNICATION
Conc	CONCRETE
Conn	CONNECTOR
Const	CONSTRUCT, CONSTRUCTION
Cont	CONTINUOUS
Coord	COORDINATE
CP	CANDLEPOWER, CATCH POINT, COPPER PIPE
Cr	CREEK
CRCP	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

C continued

CRSP	CONCRETED ROCK SLOPE PROTECTION
CS	COMPOST SOCK, COUNT STATION
CSC	CONDUCTOR SIGNAL CABLE
CSP	CORRUGATED STEEL PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CST	CENTER STRIP
Ct	COURT
CTB	CEMENT TREATED BASE
CTID	CALTRANS IDENTIFICATION
CTPB	CEMENT TREATED PERMEABLE BASE
CTPM	CEMENT TREATED PERMEABLE MATERIAL
Ctrs	CENTERS
Culv	CULVERT
CV	CHECK VALVE

D

D	DEPTH, DIRECTION (IN PERCENT) OF HEAVIER TRAFFIC FLOW
Dbl	DOUBLE
DD	DOWNDRAIN
Deg	DEGREE
Del	DELINEATOR
Det	DETAIL, DETOUR
DF	DOUGLAS FIR
DG	DECOMPOSED GRANITE
DHV	DESIGN HOURLY VOLUME
DI	DRAINAGE INLET, DROP INLET
Dia	DIAMETER
Diaph	DIAPHRAGM
DIP	DUCTILE IRON PIPE
Dist	DISTANCE, DISTRICT
DIT	DRIP IRRIGATION TUBING
DLC	LOOP DETECTOR LEAD-IN CABLE
DMBB	DOUBLE METAL BEAM BARRIER
DN	DIAMETER NOMINAL
Dr	DRIVE
DTBB	DOUBLE THRIE BEAM BARRIER
DVA	DRIP VALVE ASSEMBLY
Dwy	DRIVEWAY

E

E	EAST
Ease	EASEMENT
EB	END OF BRIDGE, EASTBOUND
EC	END HORIZONTAL CURVE, EROSION CONTROL
ECR	END CURB RETURN
ECTC	EROSION CONTROL TECHNOLOGY COUNCIL
ED	EDGE DRAIN
EDC	EDGE DRAIN CLEANOUT
EDO	EDGE DRAIN OUTLET
EDV	EDGE DRAIN VENT
Elec	ELECTROLIER
Elect	ELECTRIC, ELECTRICAL
Elev	ELEVATION
Ell	ELBOW
Emb	EMBANKMENT
EMS	EXTINGUISHABLE MESSAGE SIGN
Encl	ENCLOSURE

E continued

Engr	ENGINEER
EOD	EDGE OF DECK
EP	EDGE OF PAVEMENT
Eq	EQUATION
ERS	EARTH RETAINING STRUCTURE
ES	EDGE OF SHOULDER
ES-1	ETHERNET SWITCH TYPE 1
ES-2	ETHERNET SWITCH TYPE 2
ESA	ENVIRONMENTALLY SENSITIVE AREA
ESAL	EQUIVALENT SINGLE AXLE LOADS
EST	END STRIP
Estb	ESTABLISHMENT
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
EW	ENDWALL
Exc	EXCAVATION
Exist	EXISTING
Exp	EXPANSION
Exp Jt	EXPANSION JOINT
Ext	EXTERIOR
Exwy	EXPRESSWAY

F

F	FILL, FULL CIRCLE
F & C	FRAME AND COVER
F & G	FRAME AND GRATE
FB	FLOOR BEAM, FLASHING BEACON
FBE	FLASHING BEACON ENCLOSURE
FBS	FLASHING BEACON WITH SLIP BASE
FCV	FLOW CONTROL VALVE
Fdn	FOUNDATION
FDU	FIBER DISTRIBUTION UNIT
FEBT	FACING EASTBOUND TRAFFIC
Fert	FERTILIZER
FES	FLARED END SECTION
FF	FILTER FABRIC
FG	FINISH GRADE
FH	FIRE HYDRANT, FLEXIBLE HOSE
Fig	FIGURE
FIPT	FEMALE IRON PIPE THREAD
FIS	FERTILIZER INJECTOR SYSTEM
FL	FLOW LINE
FNBT	FACING NORTHBOUND TRAFFIC
FO	FIBER OPTIC
FOB	FREE ON BOARD
FOC	FACE OF CONCRETE, FIBER OPTIC CABLE
FOSE	FIBER OPTIC SPLICE ENCLOSURE
F/P	FULL/PART CIRCLE
FR	FIBER ROLL
Fr Rd	FRONTAGE ROAD
FS	FAR SIDE, FINISHED SURFACE, FLOW SENSOR
FSBT	FACING SOUTHBOUND TRAFFIC
FSC	FLOW SENSOR CABLE
Ftg	FOOTING
FV	FLUSH VALVE
FWBT	FACING WESTBOUND TRAFFIC
Fwy	FREEWAY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Davinder Minhas
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Davinder Minhas
No. C70022
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

GENERAL RULES:

1. Words are preferred over abbreviations and acronyms.
2. Use words in notes, except where space is limited on the plan sheet.
3. Do not use abbreviations or acronyms where the meaning may be in doubt.
4. Abbreviations and acronyms may be used in callouts, dimensions, and tables.
5. Use upper and lower case letters for abbreviation of a single word.
   e.g., Misc = miscellaneous
   and Bit Ctd = bituminous coated
6. Use all upper case letters for acronyms.
   e.g., BCR = begin curb return

UNITS OF MEASUREMENT:

1. See Tables A, B and C on Revised Standard Plan RSP A3C.
2. Units of measurement are not part of abbreviations and acronyms. The above abbreviation and acronym general rules do not apply.

SYMBOLS:

1. See Table D on Revised Standard Plan RSP A3C.

SLOPES, FLARES, AND TAPERS:

1. Side slopes:
   X:Y - horizontal:vertical
2. Flares and tapers:
   X:Y - longitudinal:lateral

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 1 OF 3)

RSP A3A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A3A
DATED SEPTEMBER 19, 2025 - PAGE 1 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A3A

2025 REVISED STANDARD PLAN RSP A3A

12-29-25

G

G	GROOVE, EQUIPMENT GROUNDING CONDUCTOR
g	ACCELERATION DUE TO GRAVITY
Ga	GAUGE
Galv	GALVANIZED
GARV	GARDEN VALVE
GARVA	GARDEN VALVE ASSEMBLY
GB	GROUND BUS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GM	GRAVEL MULCH
GP	GRADING PLANE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GUARD RAILING
Grn	GREEN
GSP	GALVANIZED STEEL PIPE
Gtr	GUTTER
GV	GATE VALVE

H

H	HEIGHT, HALF CIRCLE
HAR	HIGHWAY ADVISORY RADIO
h, hr	HOUR
HD	HORIZONTAL DRAIN
HDPE	HIGH DENSITY POLYETHYLENE
hdwl	HEADWALL
Hex	HEXAGONAL
Hex Hd	HEXAGONAL HEAD
HMA	HOT MIX ASPHALT
Horiz	HORIZONTAL
HOV	HIGH OCCUPANCY VEHICLE
HP	HINGE POINT, HORSEPOWER
HPL	HIGH PRESSURE LINE
HPS	HIGH PERFORMANCE STEEL, HIGH PRESSURE SODIUM
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HW	HEADWALL, HIGH WATER
HWM	HIGH WATER MARK
Hwy	HIGHWAY

I

IB	IMPORTED BORROW
IC	IRRIGATION CONTROLLER
ICC	IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET
ID	INSIDE DIAMETER
IF	INSIDE FACE
IFS	IRRIGATION FILTRATION SYSTEM
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN
Int	INTERIOR
Inv	INVERT
IP	INTERNET PROTOCOL
IPS	IRON PIPE SIZE
IPT	IRON PIPE THREAD
Irr	IRRIGATION
ISL	INDUCTION SIGN LIGHTING

J

Jct	JUNCTION
JP	JOINT POLE
JPCP	JOINTED PLAIN CONCRETE PAVEMENT
JS	JUNCTION STRUCTURE
Jt	JOINT

K

L

L	LENGTH, ANGLE (STRUCTURAL STEEL SHAPE)
Lat	LATITUDE
LCB	LEAN CONCRETE BASE
LED	LIGHT EMITTING DIODE
LMA	LUMINAIRE MAST ARM
Ln	LANE
Loc	LOCATION
LOL	LAYOUT LINE
Long	LONGITUDE
Longit	LONGITUDINAL
LPS	LOW PRESSURE SODIUM
LS	LUMP SUM
Lt	LEFT
Ltg	LIGHTING
Lum	LUMINAIRE

M

M	METERED
Maint	MAINTENANCE
MAS	MAST ARM MOUNTING SIDE ATTACHMENT
MAT	MAST ARM MOUNTING TOP ATTACHMENT
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
MBPS	MANUAL BYPASS SWITCH
MCV	MANUAL CONTROL VALVE
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
MIC	MASTER IRRIGATION CONTROLLER
Min	MINIMUM
MIPT	MALE IRON PIPE THREAD
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
M/M	MULTIPLE TO MULTIPLE TRANSFORMER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD RAILING
MR	MOVEMENT RANGE
MRS	MICROWAVE RADAR SYSTEM
MSE	MECHANICALLY STABILIZED EMBANKMENT
Mt	MOUNTAIN, MOUNT
Mtg	MOUNTING
Mtl	MATERIAL
MV	MERCURY VAPOR LIGHTING FIXTURE
MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
MVP	MAINTENANCE VEHICLE PULLOUT

N

N	NORTH, NEUTRAL (GROUNDED CONDUCTOR)
NB	NORTHBOUND, NEUTRAL BUS
NC	NORMALLY CLOSE

N continued

NCN	NO COMMON NAME
NL	NOZZLE LINE
NO	NORMALLY OPEN
No.	NUMBER (MUST HAVE PERIOD)
Nos.	NUMBERS (MUST HAVE PERIOD)
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NS	NEAR SIDE
NTS	NOT TO SCALE

O

Oblr	OBLITERATE
OC	OVERCROSSING
O/C	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OG	ORIGINAL GROUND
OGAC	OPEN GRADED ASPHALT CONCRETE
OGFC	OPEN GRADED FRICTION COURSE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
OL	OVERLAP
O-O	OUT TO OUT
Opp	OPPOSITE
OSD	OVERSIDE DRAIN

P

P	PAGE, PITCH, PART CIRCLE, NUMBER OF POLES FOR A CIRCUIT BREAKER
PAP	PERFORATED ALUMINUM PIPE
PB	PULL BOX
PBA	PUSH BUTTON ASSEMBLY
PC	POINT OF CURVATURE, PRECAST
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PDA	POWER DISTRIBUTION ASSEMBLY
PE	POLYETHYLENE
PEC	PERMIT TO ENTER AND CONSTRUCT, PHOTOELECTRIC CONTROL
Ped	PEDESTRIAN
Perm Mtl	PERMEABLE MATERIAL
PEU	PHOTOELECTRIC UNIT
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PJP	PARTIAL JOINT PENETRATION
Pkt	PACKET
Pkwy	PARKWAY
PL	PLATE
Pl	PLASTIC
P/L	PROPERTY LINE
PLS	PURE LIVE SEED
Plt	PLANT, PLANTING
Plt Estb	PLANT ESTABLISHMENT

P continued

PM	POST MILE, TIME FROM NOON TO MIDNIGHT
PN	PAVING NOTCH
POC	POINT OF HORIZONTAL CURVE, PEDESTRIAN OVERCROSSING
POE	POWER OVER ETHERNET
POT	POINT OF TANGENT
POVC	POINT OF VERTICAL CURVE
PP	PIPE PILE, PLASTIC PIPE, POWER POLE
PPL	PREFORMED PERMEABLE LINER
PPP	PERFORATED PLASTIC PIPE
PR	PRESSURE RATED
PRC	POINT OF REVERSE CURVE
PRF	PAVEMENT REINFORCING FABRIC
PRLV	PRESSURE RELIEF VALVE
PRV	PRESSURE REGULATING VALVE
PRVC	POINT OF REVERSE VERTICAL CURVE
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES
PS	PRESTRESSED
P/S	PRESTRESSED
PSP	PERFORATED STEEL PIPE
PT	POINT OF TANGENCY, CONDUIT WITH PULL TAPE
PTR	POWER TRANSFER RELAY
PUC	PEDESTRIAN UNDERCROSSING
PVC	POLYVINYL CHLORIDE
Pvmt	PAVEMENT

Q

Q	QUARTER CIRCLE
QCV	QUICK COUPLING VALVE
Qty	QUANTITY

R

R	RADIUS
R & D	REMOVE AND DISPOSE
R & S	REMOVE AND SALVAGE
R/C	RATE OF CHANGE
RCA	REINFORCED CONCRETE ARCH
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RCV	REMOTE CONTROL VALVE
RCVM	REMOTE CONTROL VALVE (MASTER)
RCVMF	REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR
RCVP	REMOTE CONTROL VALVE W/PRESSURE REGULATOR
RCW	RECYCLED WATER
Rd	ROAD
Rdwy	ROADWAY
RE	RELOCATED EQUIPMENT
RECP	ROLLED EROSION CONTROL PRODUCT
Reinf	REINFORCED, REINFORCEMENT, REINFORCING

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Davinder Minhas
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Davinder Minhas — No. C70022 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 2 OF 3)

RSP A3B DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A3B
DATED SEPTEMBER 19, 2025 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A3B

2025 REVISED STANDARD PLAN RSP A3B

12-12-25

R continued

Rel	RELOCATE
Repl	REPLACEMENT
Req	REQUIRED
Ret	RETAINING
Rev	REVISED, REVISION
RHMA	RUBBERIZED HOT MIX ASPHALT
RICS	REMOTE IRRIGATION CONTROL SYSTEM
Riv	RIVER
RM	ROAD-MIXED, RAMP METERING
RP	RADIUS POINT, REFERENCE POINT
RPU	REMOTE PROCESSING UNIT
RR	RAILROAD
RRFB	RECTANGULAR RAPID FLASHING BEACON
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN
Rt	RIGHT
Rte	ROUTE
RW	REDWOOD, RETAINING WALL
R/W	RIGHT OF WAY
RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
Rwy	RAILWAY

S

S	SOUTH, SLIP, SUPPLEMENT
SAE	STRUCTURE APPROACH EMBANKMENT
Salv	SALVAGE
SAPP	STRUCTURAL ALUMINUM PLATE PIPE
SB	SOUTHBOUND, SLIP BASE
SC	SAND CUSHION
S/C	SAW CUT LINE
Sch	SCHEDULE
SCSP	SLOTTED CORRUGATED STEEL PIPE
SD	STORM DRAIN
Sec	SECOND, SECTION
Sep	SEPARATION
SG	SUBGRADE
Shld	SHOULDER
Sht	SHEET
SIC	SIGNAL INTERCONNECT CABLE
Sig	SIGNAL
Sim	SIMILAR
SLI	SENSOR LEAD-IN CABLE
SM	SELECTED MATERIAL
SMA	SIGNAL MAST ARM
SMFO	SINGLE MODE FIBER OPTIC
SNS	STREET NAME SIGN
SP	STAND PIPE, SERVICE POINT
Spec	SPECIAL, SPECIFICATION(S)
SPP	SLOTTED PLASTIC PIPE
Sq	SQUARE
SS	SLOPE STAKE
SSBM	STRAP AND SADDLE BRACKET METHOD
SSD	STRUCTURAL SECTION DRAIN
SSPA	STRUCTURAL STEEL PLATE ARCH
SSPP	STRUCTURAL STEEL PLATE PIPE
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH
SSRP	STEEL SPIRAL RIB PIPE
SST	SIDE STRIP
St	STREET
Sta	STATION
STBB	SINGLE THRIE BEAM BARRIER
STC	SENSOR TRANSMISSION CABLE
Std	STANDARD
Str	STRUCTURE
Surf	SURFACING
SV	SPLICE VAULT
SW	SIDEWALK, SOUND WALL
Swr	SEWER
Sym	SYMMETRICAL
S4S	SURFACE 4 SIDES

T

T	SEMI-TANGENT, THIRD CIRCLE, THREAD, TRUCK TRAFFIC VOLUME (IN PERCENT) OF DESIGN HOURLY VOLUME
Tan	TANGENT
TB	TERMINAL BOARD
TBB	THRIE BEAM BARRIER
Tbr	TIMBER
T&B	TOP AND BOTTOM
TC	TELEPHONE CABLE
TCB	TRAFFIC CONTROL BOX
TCE	TEMPORARY CONSTRUCTION EASEMENT
TDC	TELEPHONE DEMARCATION CABINET
Temp	TEMPORARY, TEMPERATURE, TEMPERED
TG	TOP OF GRADE
TI	TRAFFIC INDEX
TLS	TRUCK LOADING STAND PIPE
TMS	TRAFFIC MONITORING STATION
TOS	TRAFFIC OPERATIONS SYSTEM
Tot	TOTAL
TP	TELEPHONE POLE
TPB	TREATED PERMEABLE BASE
TPM	TREATED PERMEABLE MATERIAL
TQ	THREE-QUARTER CIRCLE
Trans	TRANSITION
TRM	TURF REINFORCEMENT MAT
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
TT	TWO-THIRDS CIRCLE
TWSA	TREE WELL SPRINKLER ASSEMBLY
Typ	TYPICAL

U

UC	UNDERCROSSING
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UP	UNDERPASS
UPS	UNINTERRUPTIBLE POWER SUPPLY
UPSC	UNINTERRUPTIBLE POWER SUPPLY CONTROLLER
UPSM	UPS MODE

V

V	VALVE, DESIGN SPEED
Var	VARIABLE, VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
Veh	VEHICLE
Vert	VERTICAL
Via	VIADUCT
VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
Vol	VOLUME

W

W	WEST, WIDTH
W/	WITH
W/O	WITHOUT
WB	WESTBOUND
WH	WEEP HOLE
Wht	WHITE
WIM	WEIGH-IN-MOTION
WM	WIRE MESH, WATER METER
WS	WATER SURFACE, WYE STRAINER
WSA	WYE STRAINER ASSEMBLY
WSP	WELDED STEEL PIPE
Wt	WEIGHT
WV	WATER VALVE
WW	WINGWALL
WWLOL	WINGWALL LAYOUT LINE
WWM	WELDED WIRE MESH

X

Xfmr	TRANSFORMER
X Sec	CROSS SECTION
Xing	CROSSING

Y

Yr	YEAR
Yrs	YEARS

Z

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Davinder Minhas
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Davinder Minhas
No. C70022
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

UNITS OF MEASUREMENT:

Some of the units used in the project plan quantity tables and in the Bid Item List are:

TABLE A

UNIT	DEFINITION
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
LNMI	LANE MILE
LS	LUMP SUM
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TON	2,000 POUNDS

Some of the units used in the plans other than in the project plan quantity tables are:

TABLE B

UNIT	DEFINITION
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft^3, pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
oz	OUNCE
lb	POUND
kip	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

Some of the units used in the Electrical plans are:

TABLE C

UNIT	DEFINITION
A	AMPERE
bps	BITS PER SECOND
Bps	BYTES PER SECOND
FC	FOOT-CANDLE
Hz	HERTZ
k *	KILO
kV	KILOVOLT
kVA	KILOVOLT-AMPERE
kW	KILOWATT
M *	MEGA
m *	MILLI
mA	MILLIAMPERE
min	MINUTE
p *	PICO
s	SECOND
V	VOLT
VA	VOLT-AMPERE
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
W	WATT
Ω	OHM
μ *	MICRO

* Prefix to a unit

SYMBOLS:

Commonly used symbols for U.S. customary units

TABLE D

SYMBOL	DEFINITION
@	AT
℄	CENTERLINE
ø	NOMINAL DIAMETER, DIAMETER, PHASE
₱	PLATE
℔	STATIONLINE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 3 OF 3)

RSP A3C DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A3C
DATED SEPTEMBER 19, 2025 - PAGE 3 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A3C

2025 REVISED STANDARD PLAN RSP A3C

12-24-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Malik Rehman
No. C83390
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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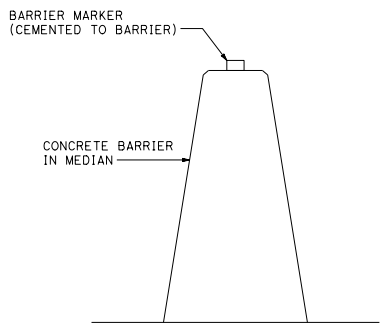
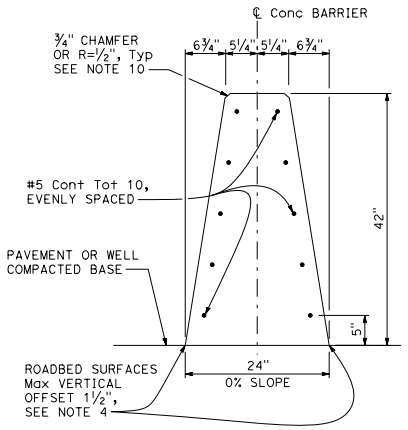
TO ACCOMPANY PLANS DATED _____

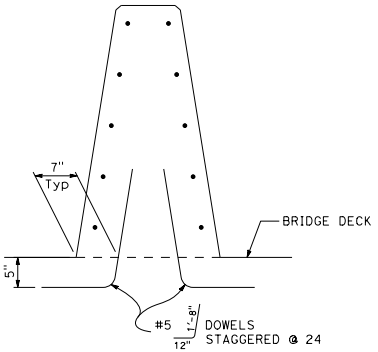


CONCRETE BARRIER TYPE 60M DELINEATION

See Note 5

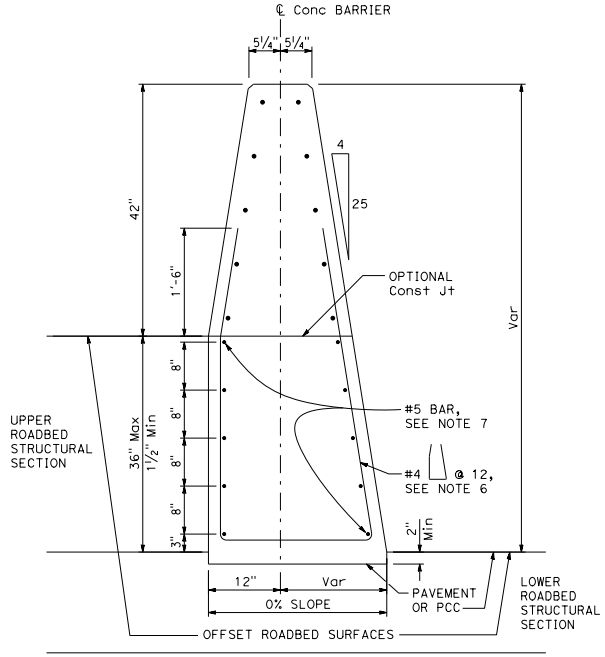


CONCRETE BARRIER TYPE 60M



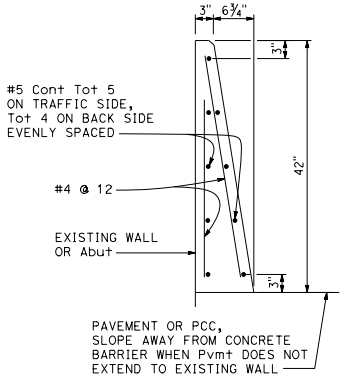
CONCRETE BARRIER TYPE 60MA

Details similar to Concrete Barrier Type 60M except as noted.



CONCRETE BARRIER TYPE 60MC

Details similar to Concrete Barrier Type 60M except as noted.
Use concrete barrier end anchor when necessary.
36" roadbed surfaces offset shown.



CONCRETE BARRIER TYPE 60MD

See Note 8

NOTES:

1. See Revised Standard Plan RSP A76AB and Standard Plan A76AC for details of Concrete Barrier Type 60M end anchors, connection to structures and transitions to concrete barrier Type 50 and Concrete Barrier Type 60MS.
2. See Standard Plan A76C for Concrete Barrier Type 60M transitions at bridge column and sign pedestals.
3. Where glare screen is required on Concrete Barrier Type 60M, use Concrete Barrier Type 60MG.
4. Where roadbed offset is greater than 1½", use concrete barrier Type 60MC.
5. See Project Plans for barrier delineation locations.
6. Reinforcing stirrup not required for roadbed offsets less than 1'-0".
7. For roadbed surfaces offset greater than 1½" and less than or equal to 3", no reinforcement required. For roadbed surfaces offset greater than 3" and less than or equal to 36", use two #5 reinforcement at 3" above the lower roadbed surface and two #5 reinforcement at every 8" increment vertical spacing above the first two #5 reinforcement.
8. For weep hole alignment and drainage details not shown, see Standard Plans B0-3 and B3-5.
9. Minimum length for Concrete Barrier Type 60 series is 100'-0", except minimum length for Concrete Barrier Type 60MA is 60'-0".
10. The ¾" chamfer or ½" radius is typical for all exposed edges for all Type 60 barriers, unless shown otherwise.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60M

NO SCALE

RSP A76A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A76A
DATED SEPTEMBER 19, 2025 - PAGE 55 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A76A

2025 REVISED STANDARD PLAN RSP A76A

12-11-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Malik Rehman
No. C83390
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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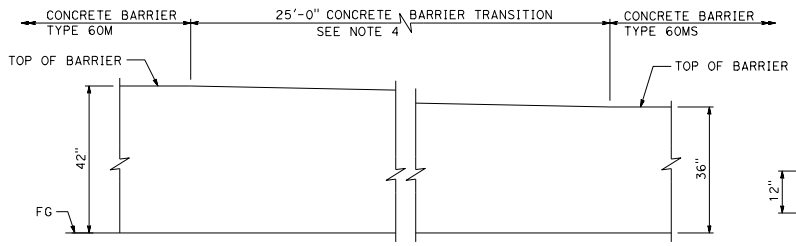
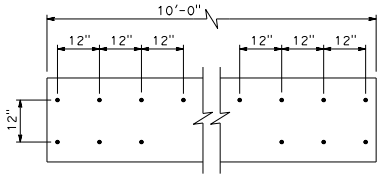


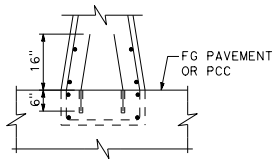
ELEVATION

TRANSITION CONCRETE BARRIER TYPE 60M TO CONCRETE BARRIER TYPE 60MS



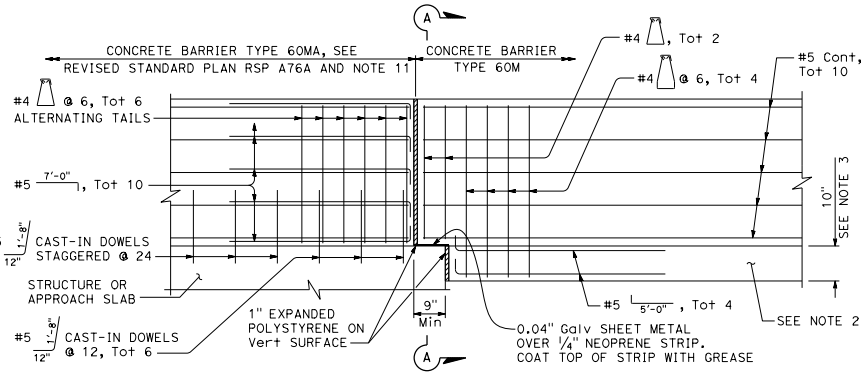
DETAIL A

Drill and Bond #6 dowel 6" deep and extend 16" into Concrete Barrier Type 60M

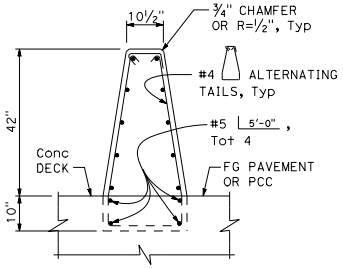


DETAIL B

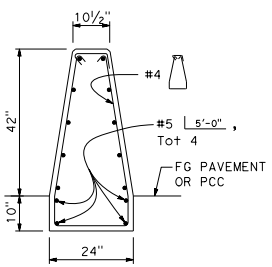
Drill and Bond to existing PCC, see Note 2



CONCRETE BARRIER TYPE 60M CONNECTION TO STRUCTURE



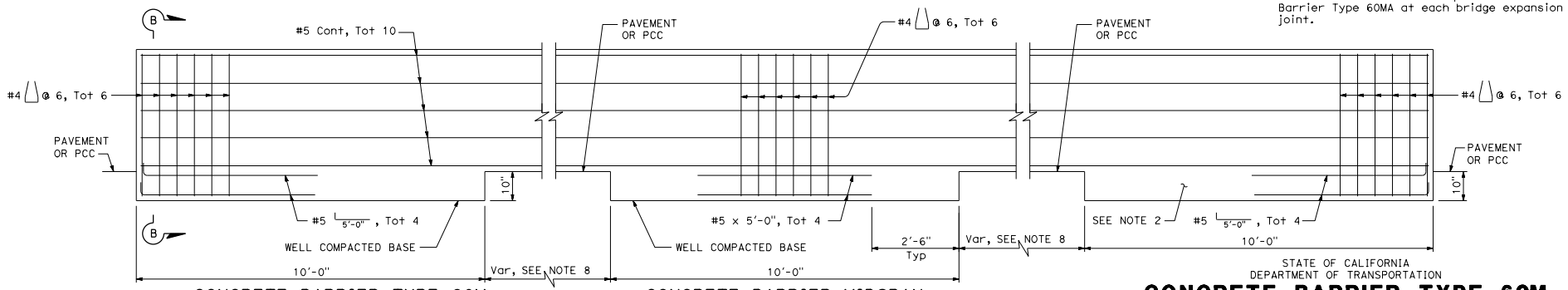
SECTION A-A



SECTION B-B

NOTES:

1. See Revised Standard Plan RSP A76A for Concrete Barrier Type 60M and Type 60MA.
2. Footing monolithic with barrier or Drill and Bond #6 dowel staggered as shown on Detail A and Detail B throughout 10'-0" length of footing. The footing is required at Concrete Barrier ends, midspan footings, and at interruptions in concrete barrier.
3. 10" Concrete Barrier footing extends 10'-0" back from structure.
4. See Standard Plan A76HA for transition to alternative crash cushion.
5. See Revised Standard Plan RSP A76A for details not shown including reinforcement in footing.
6. No scuppers or small animal crossings allowed within midspan footing.
7. Midspan footing is required for concrete barrier length of 1,000 feet or greater.
8. Midspan footings are placed between 400'-0" and 600'-0" of Concrete Barrier end and from each other.
9. Minimum length for Concrete Barrier Type 60M series is 100'-0".
10. Drop top lateral #5 horizontal reinforcement of Concrete Barrier Type 60 where transition height reaches 36".
11. Reinforcement shown is required at Concrete Barrier Type 60MA at each bridge expansion joint.



CONCRETE BARRIER TYPE 60M END ANCHORAGE, Typ

CONCRETE BARRIER MIDSPAN FOOTING DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60M DETAILS

NO SCALE

RSP A76AB DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A76AB DATED SEPTEMBER 19, 2025 - PAGE 56 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A76AB

2025 REVISED STANDARD PLAN RSP A76AB

12-10-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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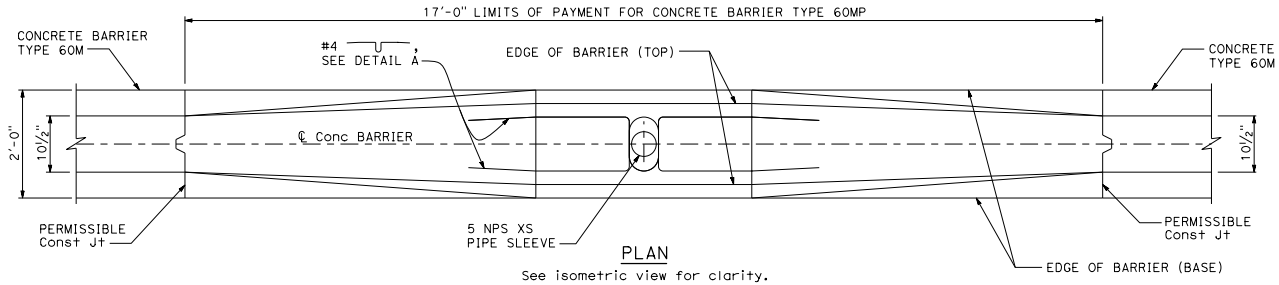
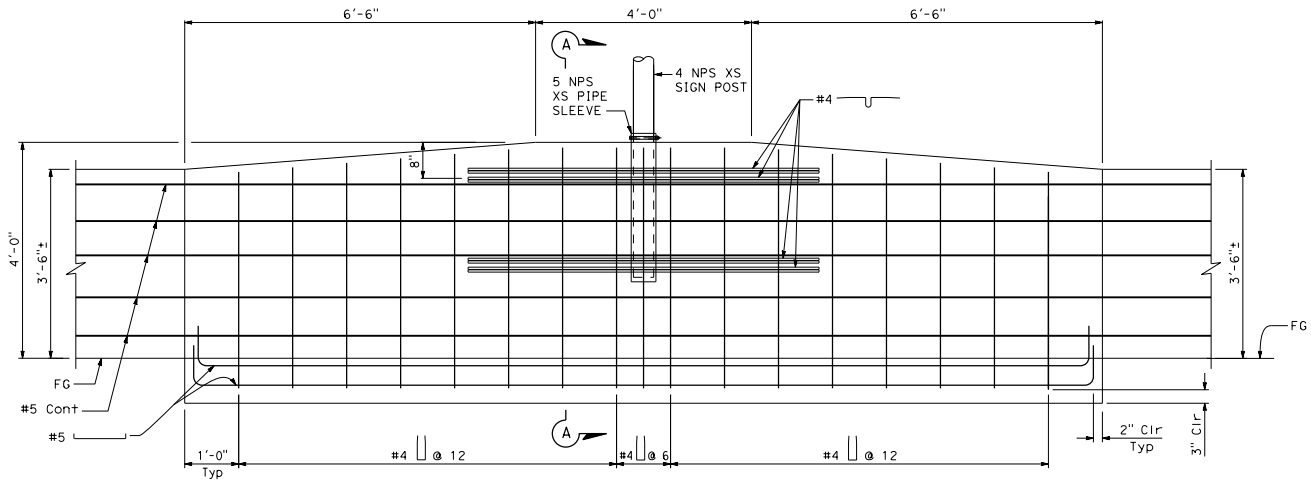


PLAN

See isometric view for clarity.

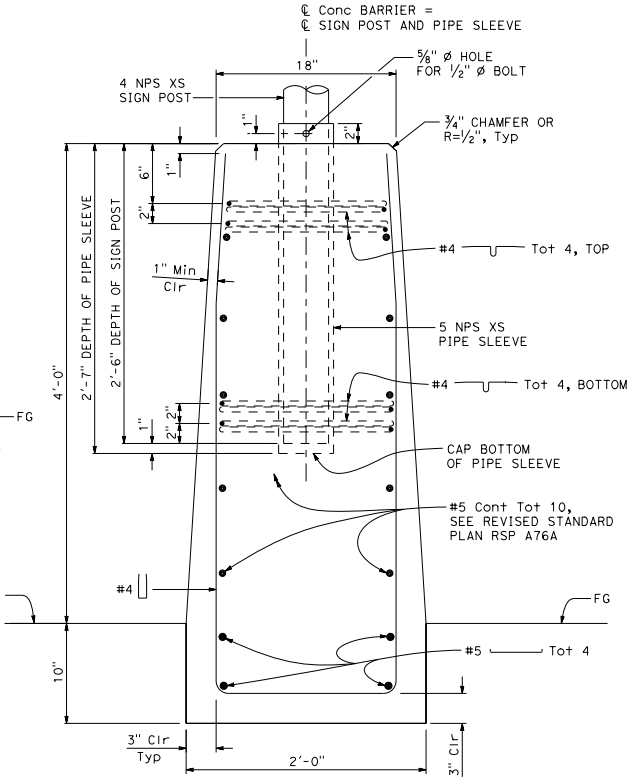
NOTE:

For Type 60M Barrier cross section, see Revised Standard Plan RSP A76A.

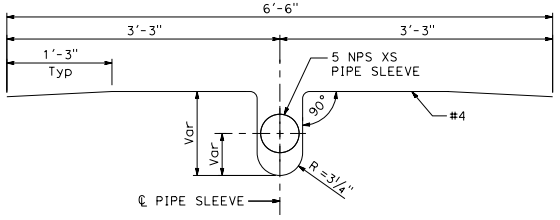


ELEVATION

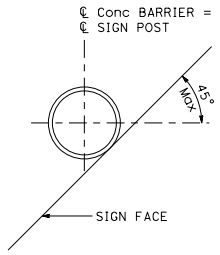
Concrete face not shown for clarity, see isometric view.



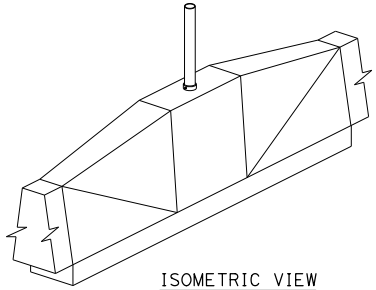
SECTION A-A



DETAIL A



DETAIL B



ISOMETRIC VIEW

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60MP

NO SCALE

RSP A76BA DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A76BA DATED SEPTEMBER 19, 2025 - PAGE 58 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A76BA

2025 REVISED STANDARD PLAN RSP A76BA

12-15-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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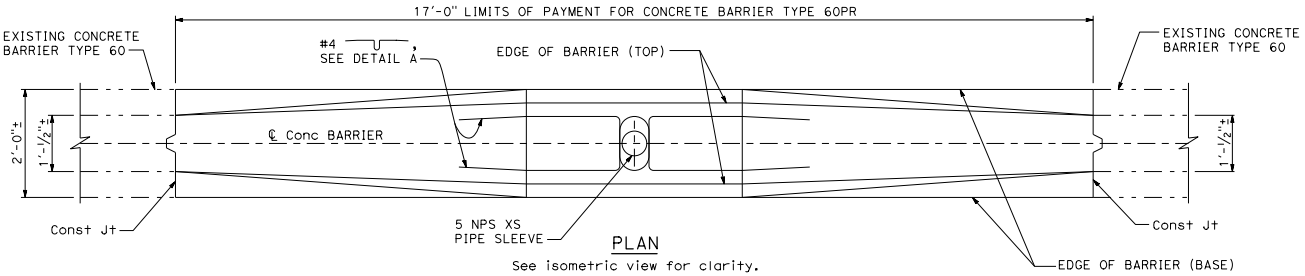
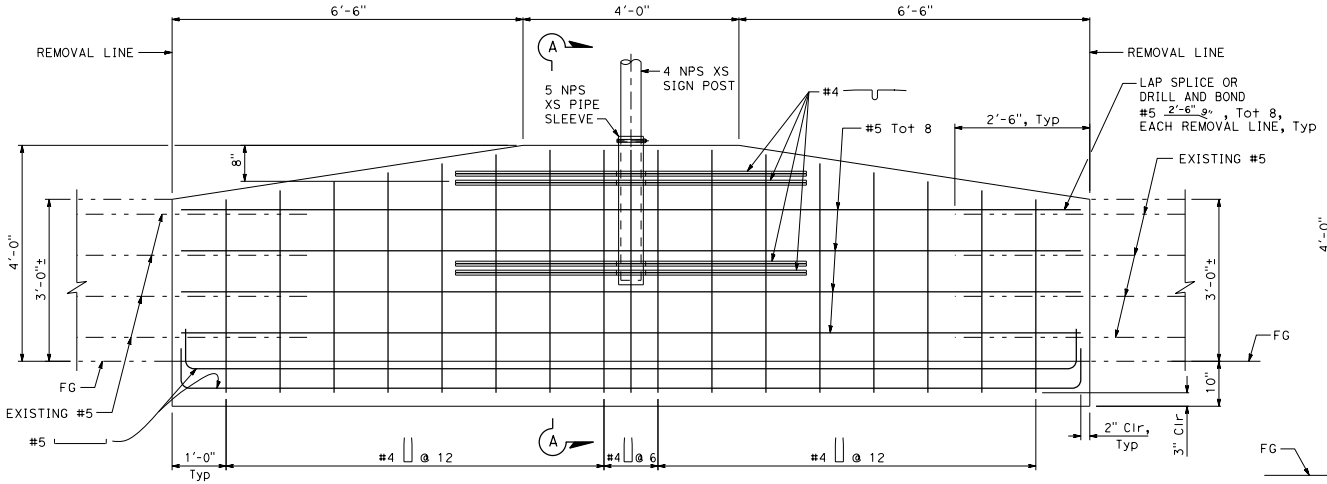
2025 REVISED STANDARD PLAN RSP A76BB



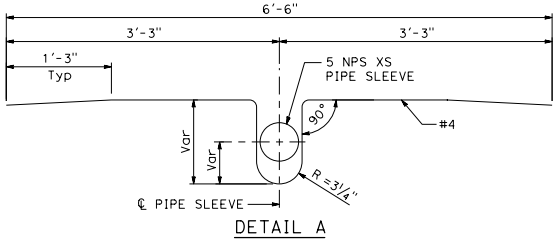
PLAN

See isometric view for clarity.

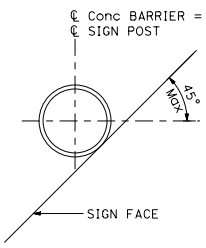


ELEVATION

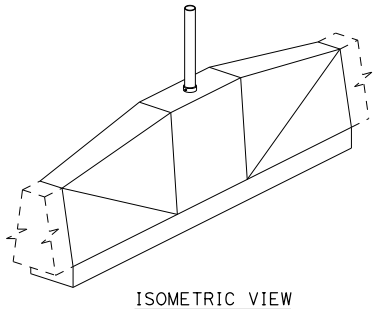
Concrete face not shown for clarity, see isometric view.



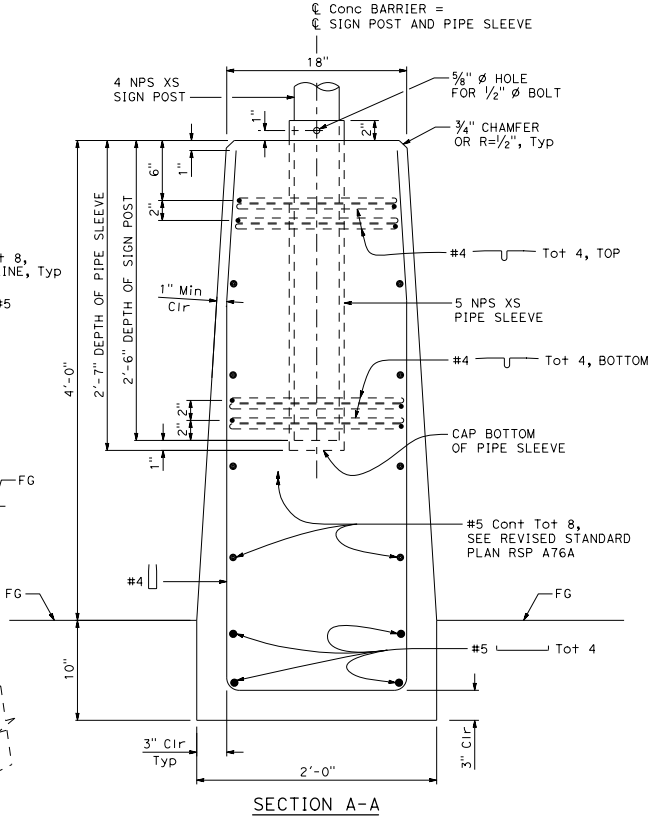
DETAIL A



DETAIL B



ISOMETRIC VIEW



SECTION A-A

NOTE:
The contractor must verify all controlling field dimensions before ordering or fabricating any material.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60PR

NO SCALE

RSP A76BB DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A76BB
DATED SEPTEMBER 19, 2025 - PAGE 59 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A76BB

12-15-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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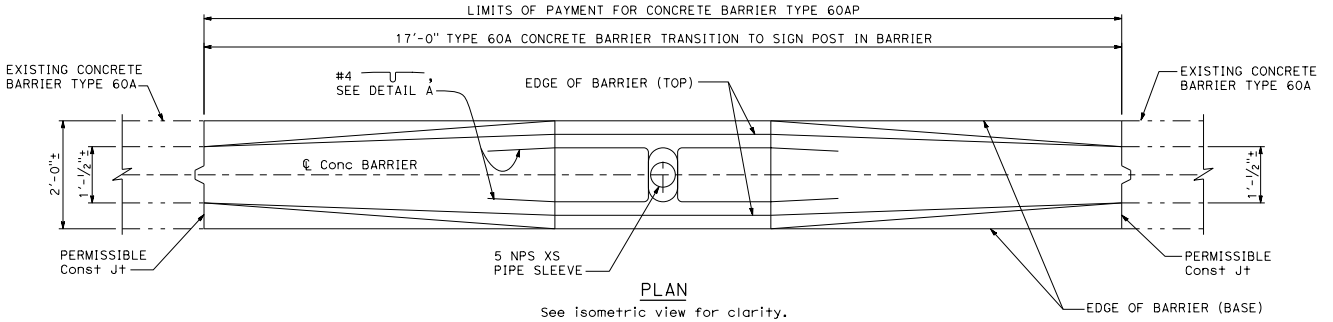
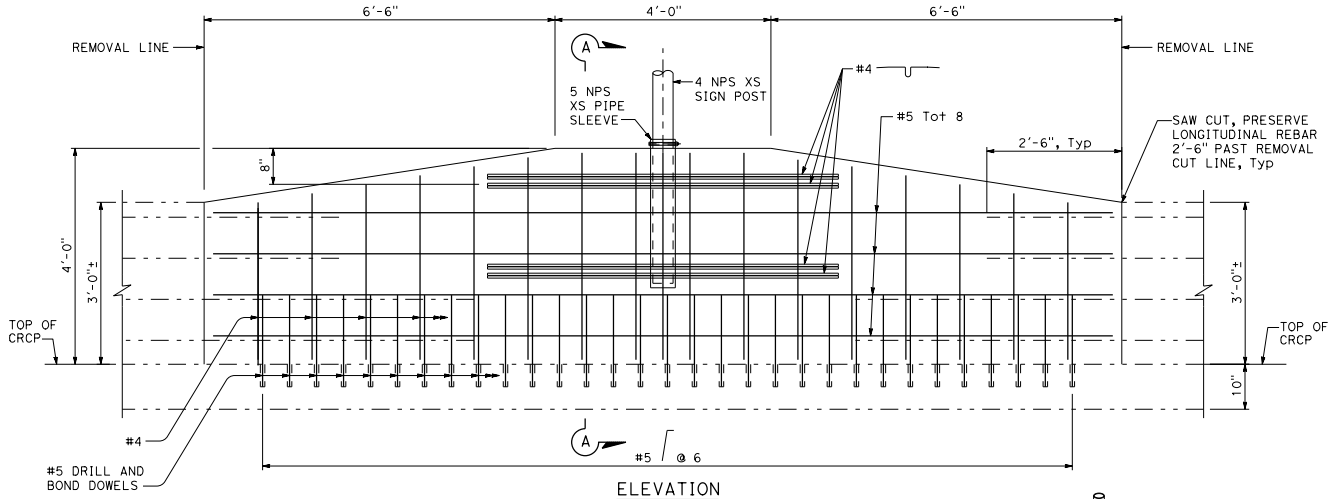
2025 REVISED STANDARD PLAN RSP A76BC



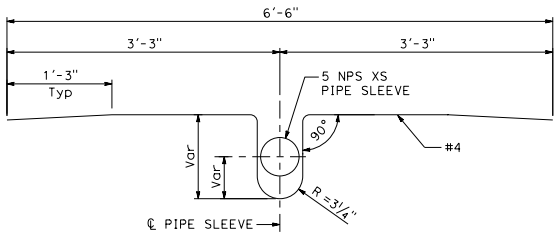
PLAN

See isometric view for clarity.

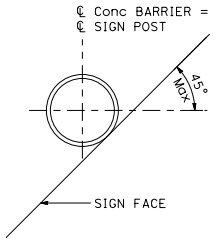


ELEVATION

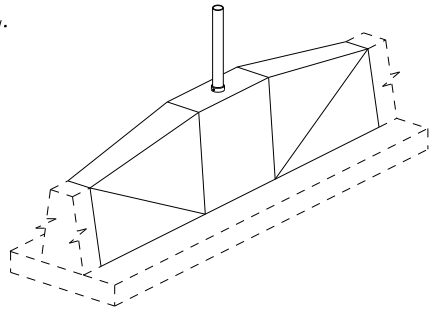
Concrete face not shown for clarity, see isometric view.



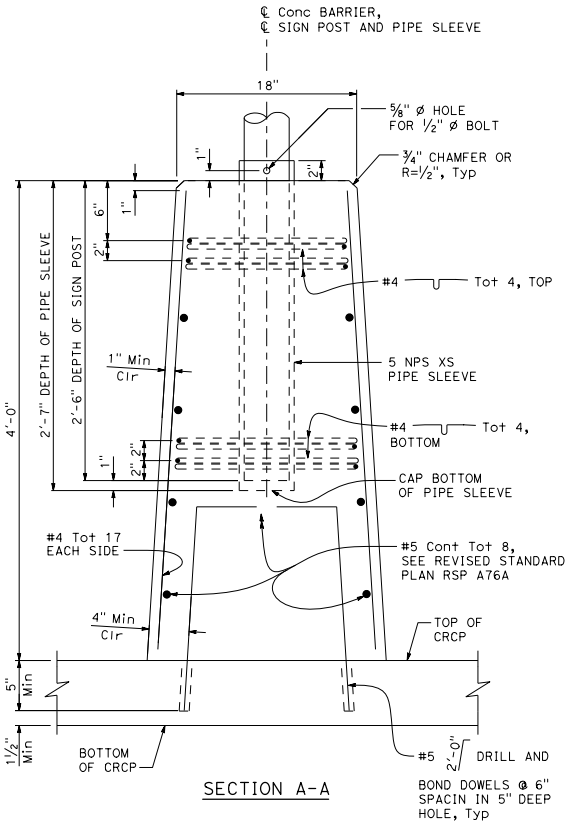
DETAIL A



DETAIL B



ISOMETRIC VIEW



SECTION A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 60AP

NO SCALE

RSP A76BC DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A76BC DATED SEPTEMBER 19, 2025 - PAGE 60 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A76BC

12-15-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

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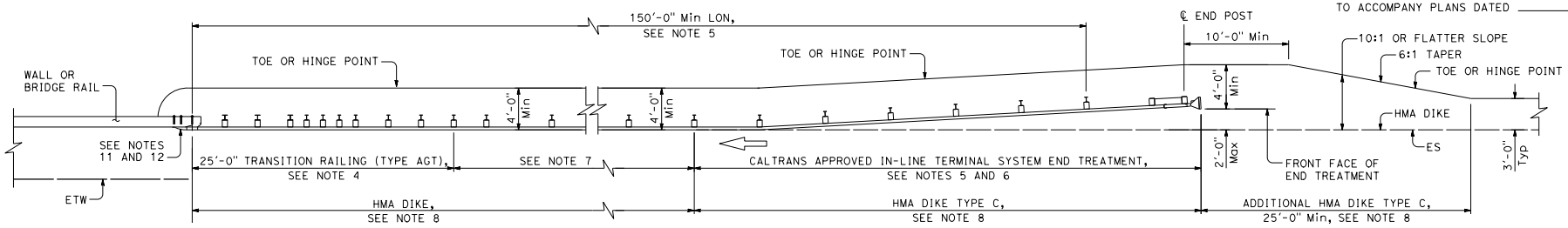
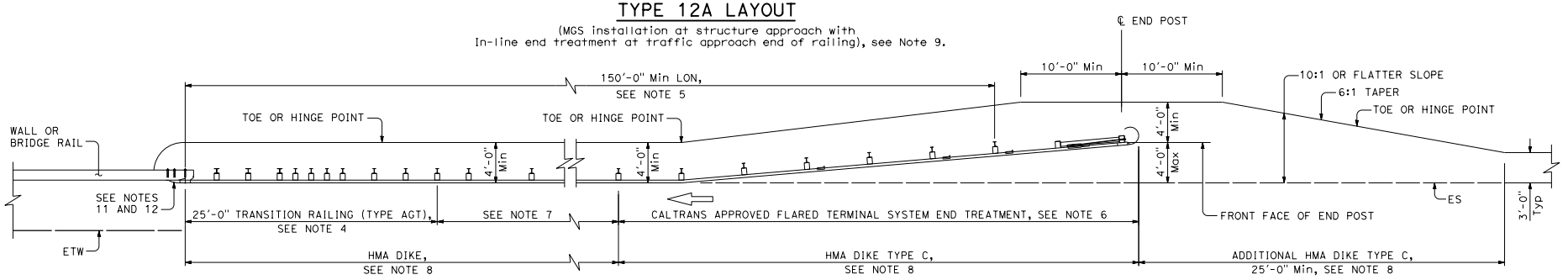
REGISTERED PROFESSIONAL ENGINEER
Malik Rehman
No. C83390
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED _____



TYPE 12A LAYOUT

(MGS installation at structure approach with
In-line end treatment at traffic approach end of railing), see Note 9.



TYPE 12B LAYOUT

(MGS installation at structure approach with
Flared end treatment at traffic approach end of railing), see Note 9.

NOTES:

1. Line post, blocks and hardware to be used are shown on Standard Plans A77L1, A77L2, A77M1, A77N1 and A77N2.
2. MGS post spacing to be 6'-3" center to center, except as otherwise noted.
3. Except as noted, line posts are 6'-0" long Steel W6 x 9 or W6 x 8.5 with blocks, or 6" x 8" x 6'-0" wood with blocks.
4. For Transition Railing (Type AGT) details for Types 12A and 12B Layouts, see Standard Plans A79 Series.
5. A minimum of 150'-0" of MGS is needed to develop Length of Need (LON).
6. The type of terminal system end treatment to be used will be shown on the Project Plans.
7. Dependent on site conditions (embankment height, side slopes or other fixed objects), it may be advisable to construct additional guard railing (a length equal to multiples of 12'-6" with 6'-3" post spacing) between the transition railing and end treatment.
8. Where placement of dike is required with guard railing installations, see Standard Plan A77N4 for dike positioning details.
9. Type 12A or Type 12B Layouts are typically used at the approach end of a structure, to the right or left on two-lane conventional highway where the roadbed width across the structure is 40 feet or less.
10. See Standard Plan A77Q3 for typical layout used left of approaching traffic at the ends of each structure on multilane freeways or expressways with separate adjacent or parallel bridges.
11. For additional details of typical connections to bridge rail, see Standard Plans A79 series.
12. For additional details of a typical connection to walls or abutments, see Standard Plans A79C1 and A79C2.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE APPROACH

NO SCALE

RSP A77Q1 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A77Q1
DATED SEPTEMBER 19, 2025 - PAGE 107 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A77Q1

2025 REVISED STANDARD PLAN RSP A77Q1

8-4-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Malik Rehman — No. C83390 — Exp. 3-31-27 CIVIL — STATE OF CALIFORNIA

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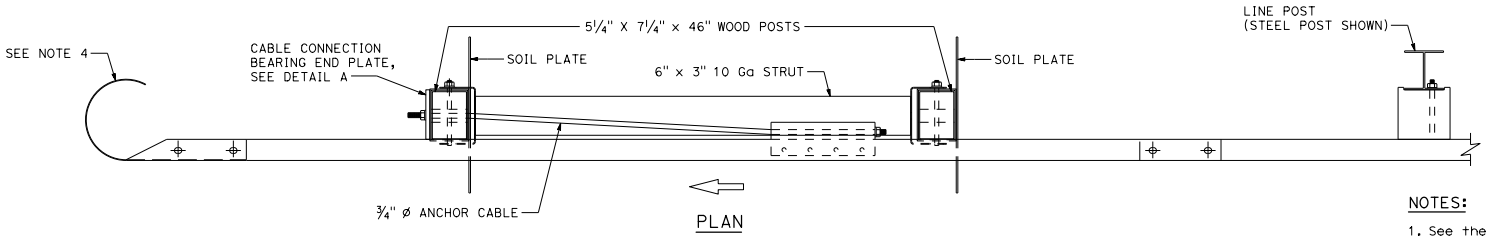
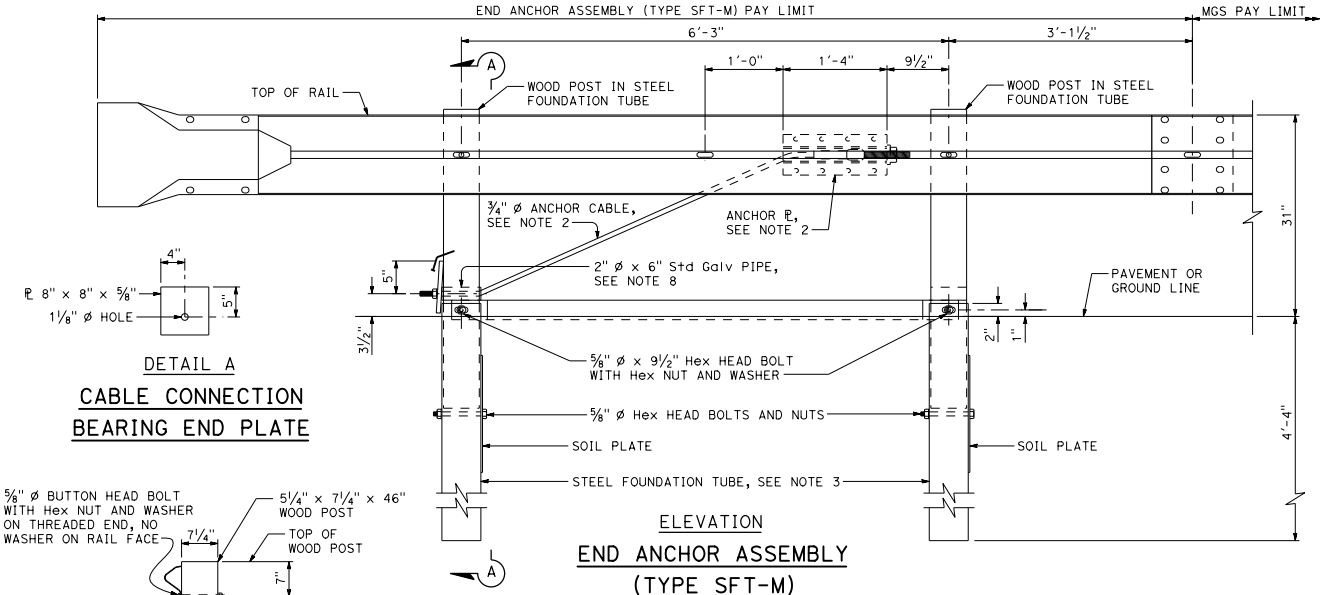
TO ACCOMPANY PLANS DATED _____



PLAN

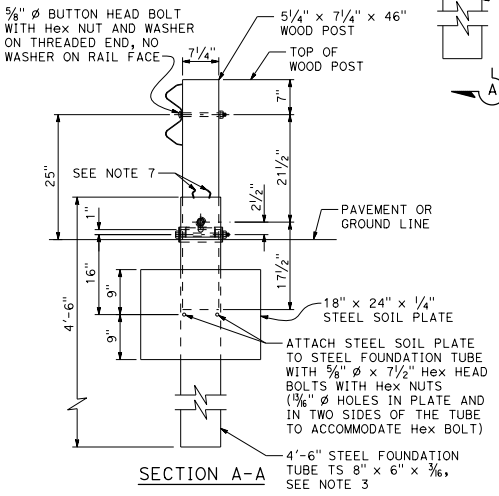


ELEVATION

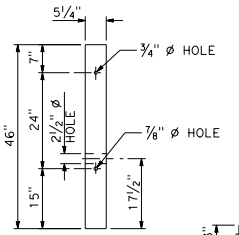
END ANCHOR ASSEMBLY (TYPE SFT-M)

DETAIL A

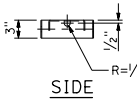
CABLE CONNECTION BEARING END PLATE



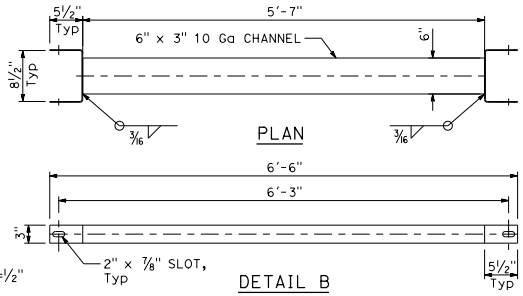
SECTION A-A



WOOD POST IN STEEL FOUNDATION TUBE



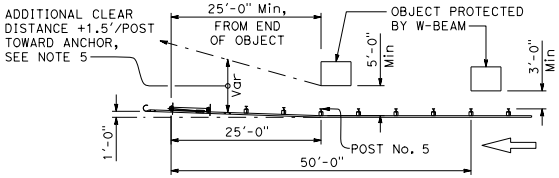
SIDE



PLAN

DETAIL B

STRUT



LAYOUT

NOTES:

1. See the Standard Plans A77P, A77Q and A77R series for typical use of End Anchor Assembly (Type SFT-M).
2. For details of the anchor plate and ¾" cable, see Standard Plan A77S3.
3. A 6'-0" length steel foundation tube, TS 8" x 6" x 3/16", without a soil plate, may be furnished and installed in place of the 4'-6" length steel foundation tube and soil plate shown. Minimum embedment of the 6'-0" length tube shall be 5'-9". A ⅝" ø Hex head bolt and nut shall be installed in the hole in the 6'-0" length tube to keep the wood post from dropping into the tube.
4. Place End Cap Type B when pedestrians, bicycles or traffic is within contact of the trailing end of the exposed element. Rail element may be cut 1" past the end of the post. Clean, treat and remove sharp edges. See Standard Plan A77M1.
5. Increased clear distance behind the rail is required from 50' prior to the last post of the End Anchor Assembly (Type SFT-M). Beginning at 50'-0" upstream of the last post of the End Anchor Assembly, the required clear distance increases to 5'-0" at post No. 5. From post No. 5 to the last post of the End Anchor Assembly, the required clear distance increases at a rate of 1.5' for each post.
6. Dike with a maximum height of 4" may be placed under or in front of the End Anchor Assembly (Type SFT-M). If the anchor posts are in conflict with the 4" high dike, the last 25'-0" of rail may be tapered back a maximum of 1'-0" to allow the dike to maintain alignment.
7. Secure End Plate with two 16D nails to maintain orientation.
8. 2" ø standard galvanized pipe or 2⅜" ø galvanized pipe.
9. See Standard Plan A77R1 for placing SFT-M when there is a fixed object within 50'-0" of the end anchor and the distance behind the post is less than 3'-0".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MIDWEST GUARDRAIL SYSTEM
END ANCHOR ASSEMBLY
(TYPE SFT-M)

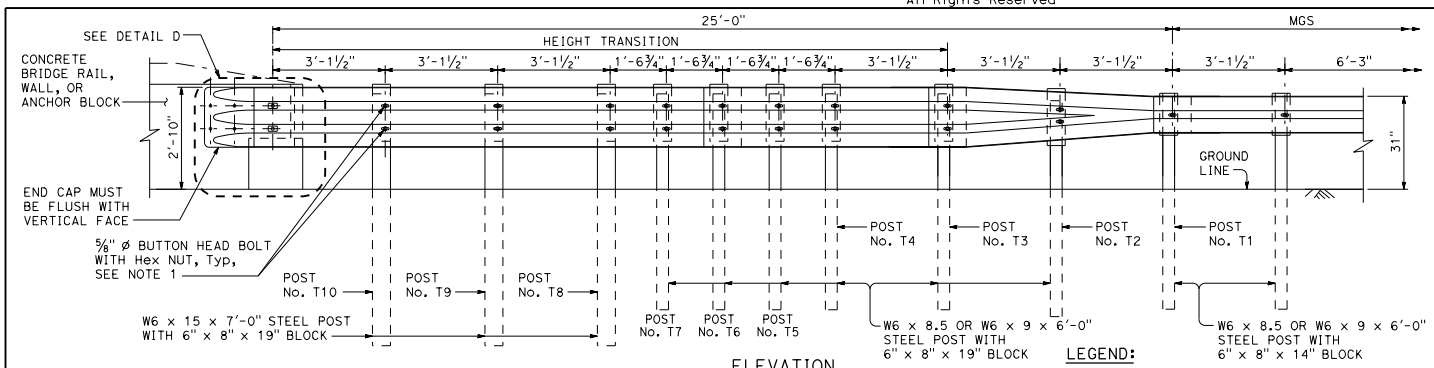
NO SCALE

RSP A77S1 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A77S1
DATED SEPTEMBER 19, 2025 - PAGE 120 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A77S1

2025 REVISED STANDARD PLAN RSP A77S1

9-8-25

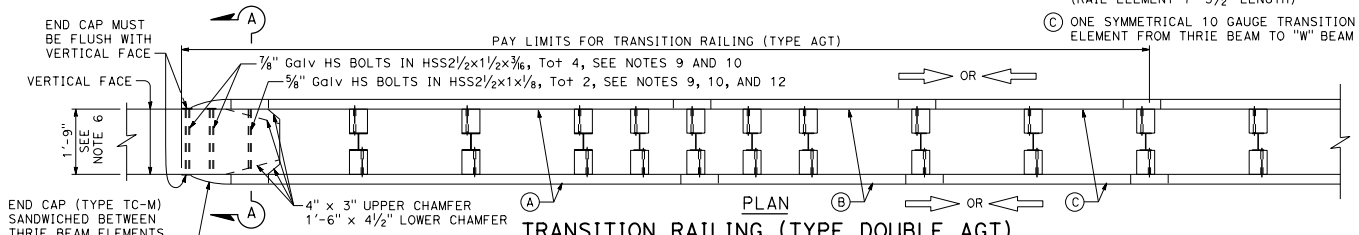


ELEVATION

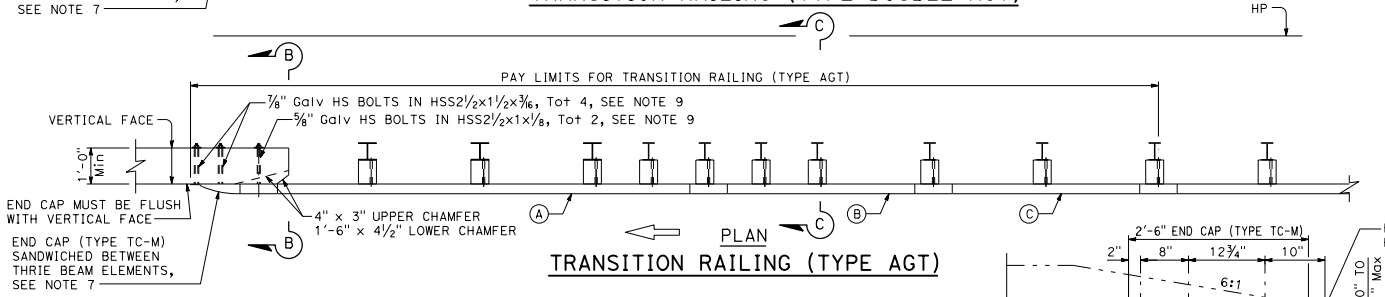
TRANSITION RAILING (TYPE AGT)

LEGEND:

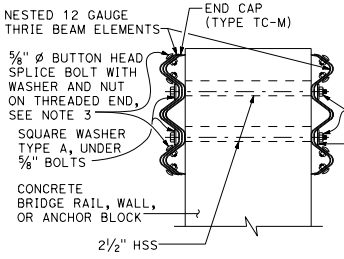
- (A) NESTED 12 GAUGE THRIE BEAM ELEMENTS
- (B) ONE 12 GAUGE THRIE BEAM ELEMENT, (RAIL ELEMENT 7'-3½" LENGTH)
- (C) ONE SYMMETRICAL 10 GAUGE TRANSITION ELEMENT FROM THRIE BEAM TO "W" BEAM



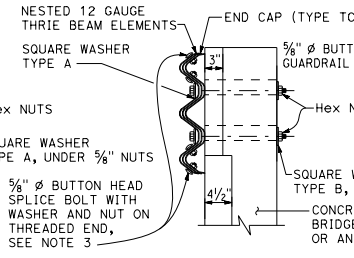
TRANSITION RAILING (TYPE DOUBLE AGT)



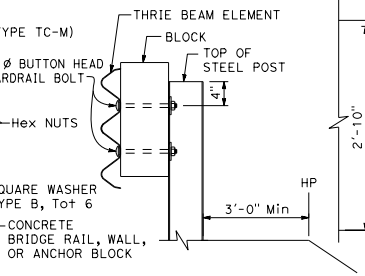
TRANSITION RAILING (TYPE AGT)



SECTION A-A

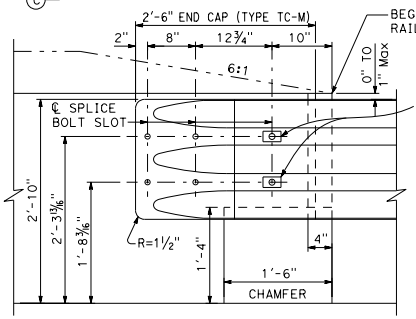


SECTION B-B

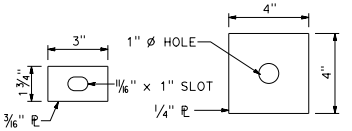


SECTION C-C

SEE NOTE 2



DETAIL D



SQUARE WASHERS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Malik Rehman — No. C83390 — Exp. 3-31-27 CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

NOTES:

1. Use ⅝" Ø button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The maximum height of dike is 4" if placed under rail.
3. All 12 splice bolts and nuts are required for rail splices. Splice bolt holes at splices with nested elements may be increased from the standard 29/32" x 1⅛" slot size to 1⅛" Ø.
4. The top elevation of bridge rail or wall at connection or blocks shall not project more than 1" above the top elevation of the rail element.
5. Connections to Transition Railing (Type AGT) will be either standard MGS railing or thrie beam railing as shown here or on Standard Plan A79A2.
6. At Double AGT connection where anchor block or bridge rail width is less than 1'-9", a metal box spacer with a minimum thickness of 1½" or Type B metal plate washers for less than 1½" should be used to complete the width of AGT post and two blocks. Spacers must not be used where snagging is possible from approaching traffic.
7. End Cap (Type TC-M) to be installed over 12 gauge thrie beam elements where transition railing is installed on the departure end of bridge railing.
8. Conform standard railing section height to 31" at Post No. T1.
9. HSS refers to galvanized metal sleeve.
10. ½" maximum exposed threads.
11. Where AGT is placed on the backside of a curb and sidewalk, the material around the post must be at the level of the sidewalk surface.
12. For Type Double AGT, use Type A washers on the face of both end caps at ⅝" bolted connections.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRANSITION RAILING (TYPE AGT)

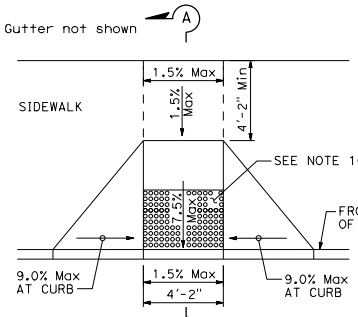
NO SCALE

RSP A79A1 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A79A1 DATED SEPTEMBER 19, 2025 - PAGE 143 OF THE STANDARD PLANS BOOK DATED 2025.

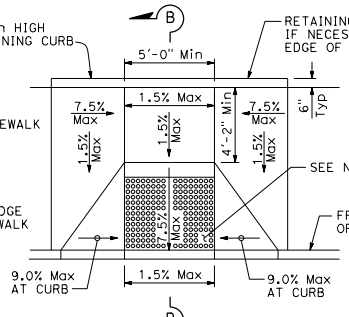
REVISED STANDARD PLAN RSP A79A1

2025 REVISED STANDARD PLAN RSP A79A1

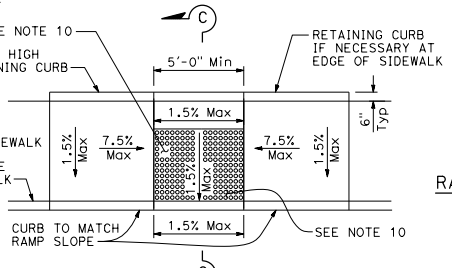
9-4-25



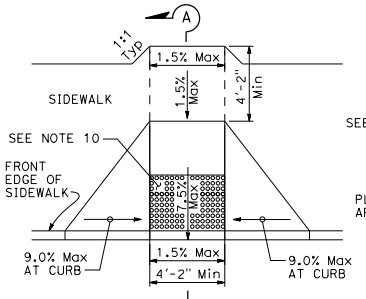
CASE A



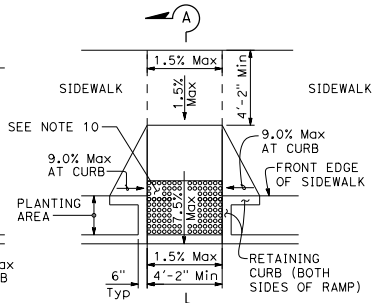
CASE B



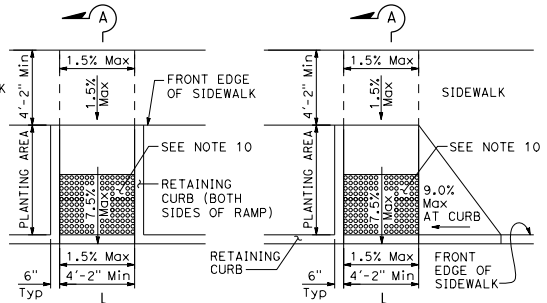
CASE C



CASE D



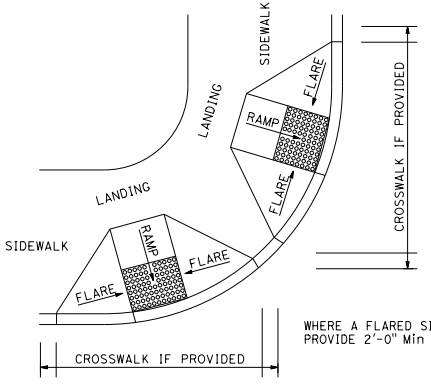
CASE E



CASE F

CASE G

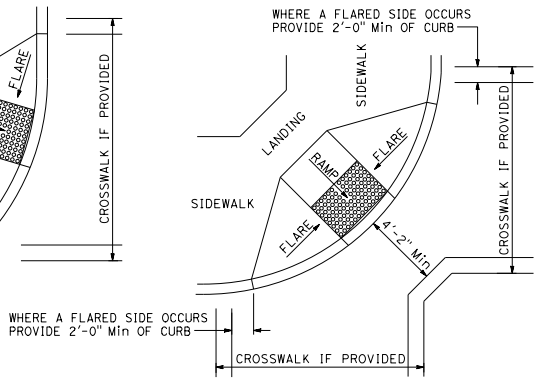
See Note 4



DETAIL A

TYPICAL TWO-RAMP CORNER INSTALLATION

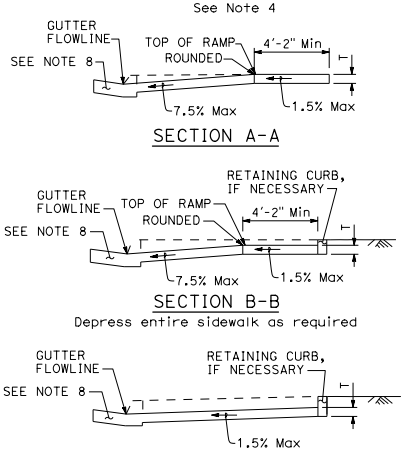
See Note 1

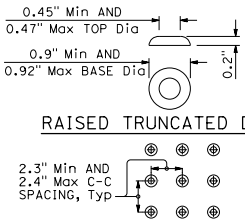


DETAIL B

TYPICAL ONE-RAMP CORNER INSTALLATION

See Notes 1 and 3





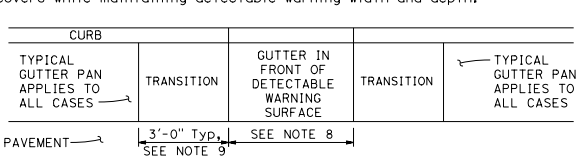
RAISED TRUNCATED DOME PATTERN (IN-LINE)

DETECTABLE WARNING SURFACE

See Note 10

NOTES:

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate. For specific site condition configuration, including the conform to existing sidewalk, see Project Plans.
2. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-2" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. The ramp portion of the curb ramp is a typical rectangle, unless modified in the Project Plans.
6. Side slope of ramp flares vary uniformly from a maximum of 9.0% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The adjacent surfaces at transitions at curb ramps to walks, gutters, and streets shall be at the same level.
8. Counter slopes of adjoining gutters and road surfaces immediately adjacent to and within 24 inches of the curb ramp shall not be steeper than 1V:20H (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
9. Transition gutter pan slope from 1" of depth for each 2'-0" of width to match typical gutter pan slope per Standard Plan A87A.
10. The detectable warning surface will be a rectangle as shown at back of curb, unless modified in the Project Plans. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall extend the full width of the ramp except a maximum gap of 1 inch is allowed on each side of the ramp.
11. Sidewalk and ramp thickness "T", shall be 3½" minimum.
12. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
13. Detectable warning surface may have to be cut to allow removal of utility covers while maintaining detectable warning width and depth.



GUTTER PAN TRANSITION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Georgiy Tokmakov
No. C91904
Exp. 3-31-27
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

NO SCALE

RSP A88A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN A88A
DATED SEPTEMBER 19, 2025 - PAGE 165 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP A88A

10-3-25

2025 REVISED STANDARD PLAN RSP A88A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Aiman Malak — No. C73369 — Exp. 12-31-26 — CIVIL — STATE OF CALIFORNIA

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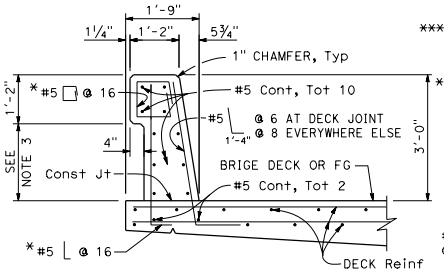
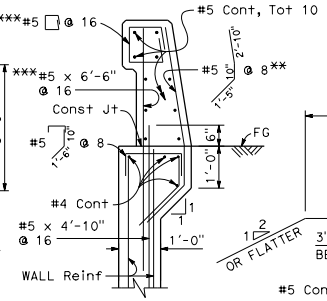
TO ACCOMPANY PLANS DATED _____



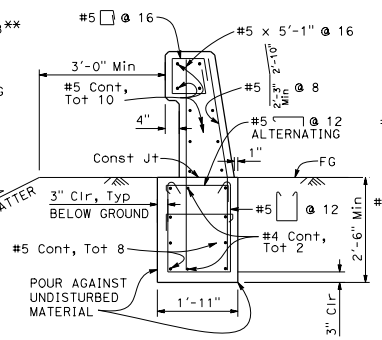
TYPE 836

*#5 @ 12 at deck joint

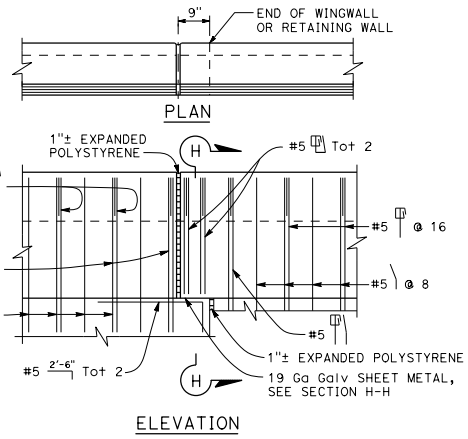


TYPE 836A

**#5 @ 6 at wall joint
***#5 @ 12 at wall joint



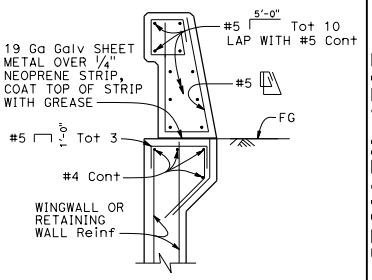
TYPE 836B



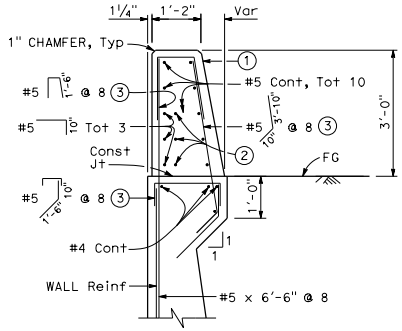
ELEVATION

TYPE 836A TYPE 836B

NOTE:
Type 836A and Type 836B are similar to Type 836 except as noted.



SECTION H-H

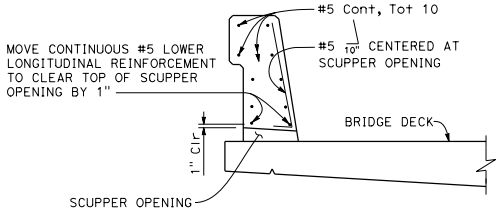


SECTION A-A

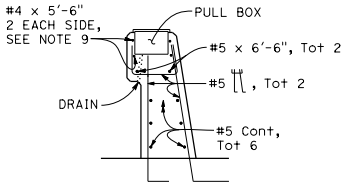
① Transition sloping face to vertical face.

② Extend lower reinforcement, total 3 at back face 2'-6" into transition. See Detail A on Standard Plan B11-79.

③ Spacing is 6" for 6'-6" of each barrier end.



SECTION B-B

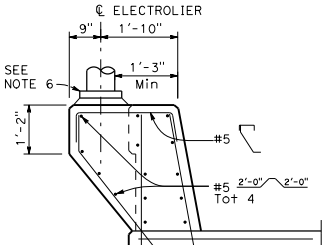


SECTION C-C

See Note 9

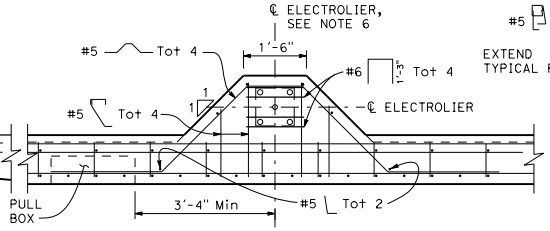
NOTES:

1. Walls shall be backfilled before barrier is placed.
2. Clearance to reinforcing steel in barrier shall be 2", except as noted. Longitudinal reinforcement to stop at all expansion joints.
3. Dimension from top of bridge deck to bottom of bridge rail haunch on backside of bridge rail may vary with roadway cross slope and with certain thicknesses of deck overlay if placed on the same contract, see bridge/roadway plans.
4. For typical metal railing connection details not shown, see Standard Plan A79B1.
5. See Standard Plans ES-9A, ES-9B, ES-9C, ES-9D, and ES-9E for electrical details. The maximum number of conduits in the barrier is limited to two 2" Ø conduits along with one 3" Ø conduit. When a 3" Ø conduit is used, it is restricted to the base of the barrier.
6. For electrolier mounting details, see Standard Plans ES-6A and ES-6B.
7. Minimum concrete edge distance to the reinforcement shown shall be maintained. Edge distance may be adjusted to accommodate increase in concrete cover for architectural treatment on backside of bridge rail.
8. Minimum length of Concrete Barrier Type 836B is 40'-0".
9. In front and back of pull box (Section C-C), the #4 x 5'-6" bars must be centered on pull box. As an alternative 4 x 4 - W12 x W12 welded wire fabric extending minimum 8" beyond ends of pull box may be substituted.

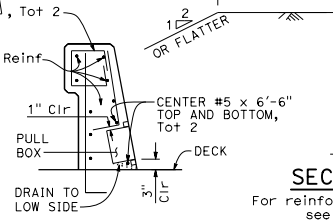


PEDESTAL ELEVATION

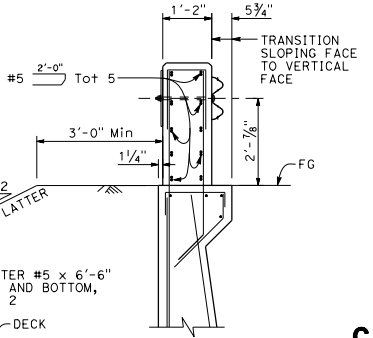
SECTION D-D



VIEW E-E



SECTION F-F



SECTION G-G

For reinforcement not shown, see Section A-A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 836 DETAILS No. 2

NO SCALE

RSP B11-80 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN B11-80 DATED SEPTEMBER 19, 2025 - PAGE 417 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP B11-80

2025 REVISED STANDARD PLAN RSP B11-80

6-11-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Aiman Malak
No. C73369
Exp. 12-31-26
CIVIL
STATE OF CALIFORNIA

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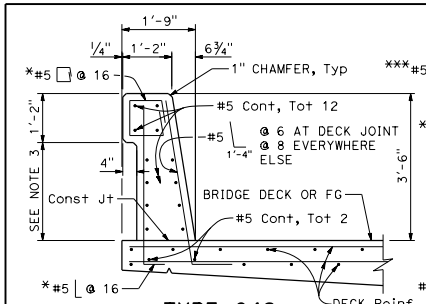
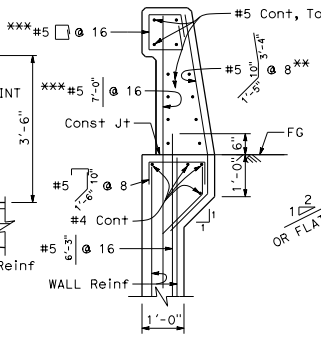
TO ACCOMPANY PLANS DATED _____



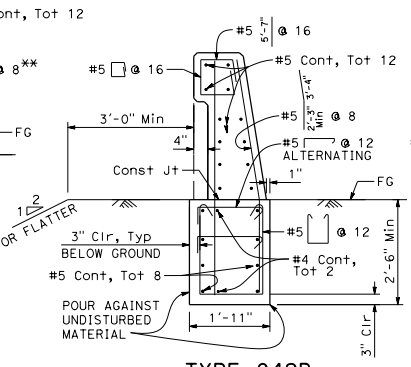
TYPE 842

*#5 @ 12 at deck joint

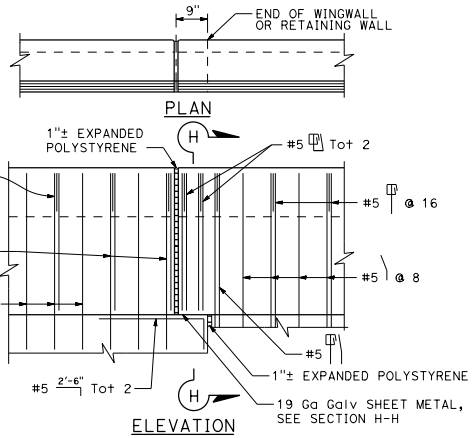


TYPE 842A

**#5 @ 6 at wall joint
***#5 @ 12 at wall joint



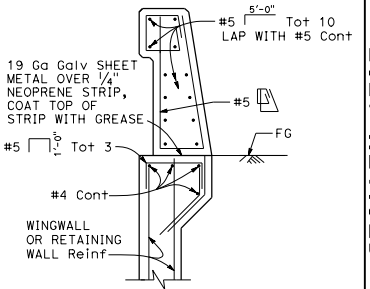
TYPE 842B



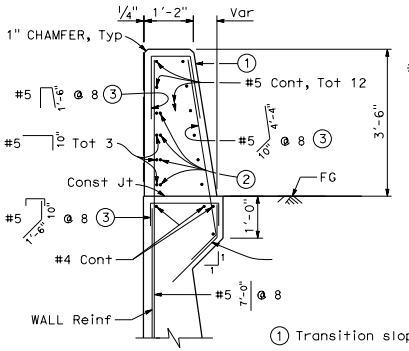
ELEVATION

TYPE 842A TYPE 842B

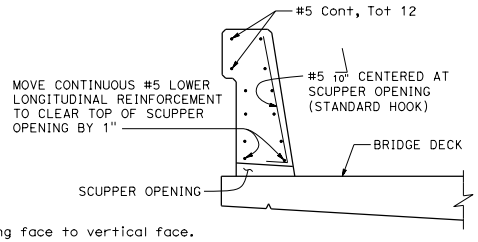
NOTE:
Type 842A and Type 842B are similar to Type 842 except as noted.



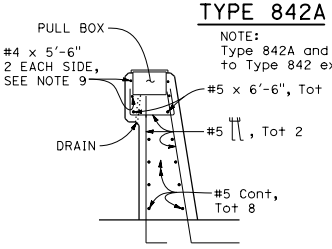
SECTION H-H



SECTION A-A



SECTION B-B



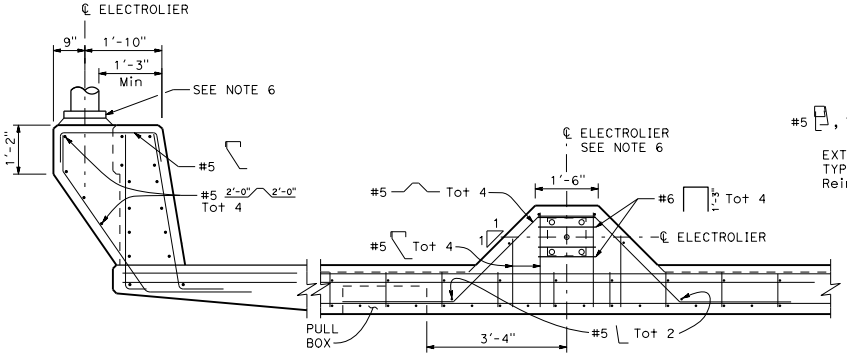
SECTION C-C

See Note 9

① Transition sloping face to vertical face.

② Extend lower reinforcement, total 4 at back face 2'-6" into transition. See Detail A on Standard Plan B11-81.

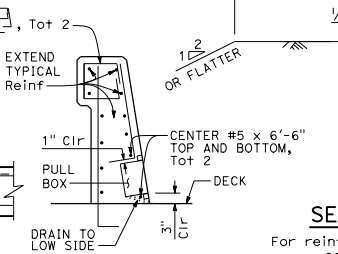
③ Spacing is 6" for 6'-6" of each barrier end.



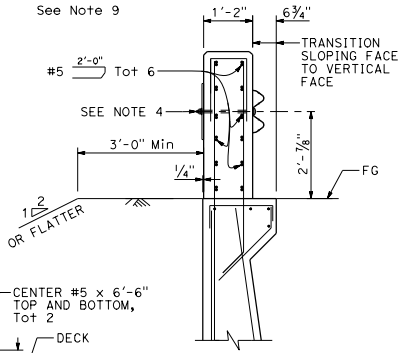
PEDESTAL ELEVATION

SECTION D-D

VIEW E-E



SECTION F-F



SECTION G-G

For reinforcement not shown, see Section A-A

NOTES:

1. Walls shall be backfilled before barrier is placed.
2. Clearance to reinforcing steel in barrier shall be 2", except as noted. Longitudinal reinforcement to stop at all expansion joints.
3. Dimension from top of bridge deck to bottom of bridge rail haunch on backside of bridge rail may vary with roadway cross slope and with certain thicknesses of deck overlay if placed on the same contract, see bridge/roadway plans.
4. For typical metal railing connection details not shown, see Standard Plan A79B1.
5. See Standard Plans ES-9A, ES-9B, ES-9C, ES-9D, and ES-9E for electrical details. The maximum number of conduits in the barrier is limited to two 2" Ø conduits along with one 3" Ø conduit. When a 3" Ø conduit is used, it is restricted to the base of the barrier.
6. For electrolier mounting details, see Standard Plans ES-6A and ES-6B.
7. Minimum concrete edge distance to the reinforcement shown shall be maintained. Edge distance may be adjusted to accommodate increase in concrete cover for architectural treatment on backside of bridge rail.
8. Minimum length of Concrete Barrier Type 842B is 40'-0".
9. In front and back of pull box (Section C-C), the #4 x 5'-6" bars must be centered on pull box. As an alternative 4 x 4 - W12 x W12 welded wire fabric extending minimum 8" beyond ends of pull box may be substituted.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER TYPE 842 DETAILS No. 2

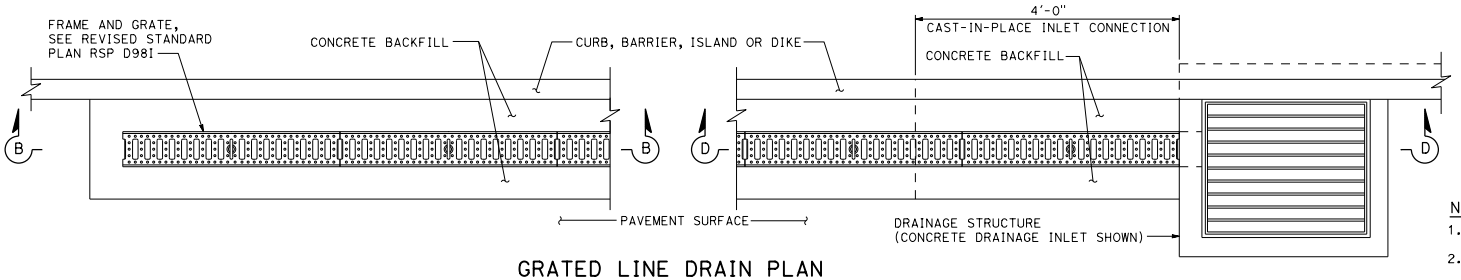
NO SCALE

RSP B11-82 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN B11-82 DATED SEPTEMBER 19, 2025 - PAGE 420 OF THE STANDARD PLANS BOOK DATED 2025.

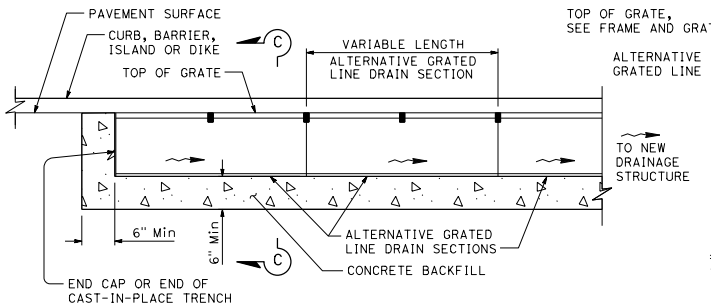
REVISED STANDARD PLAN RSP B11-82

6-11-25

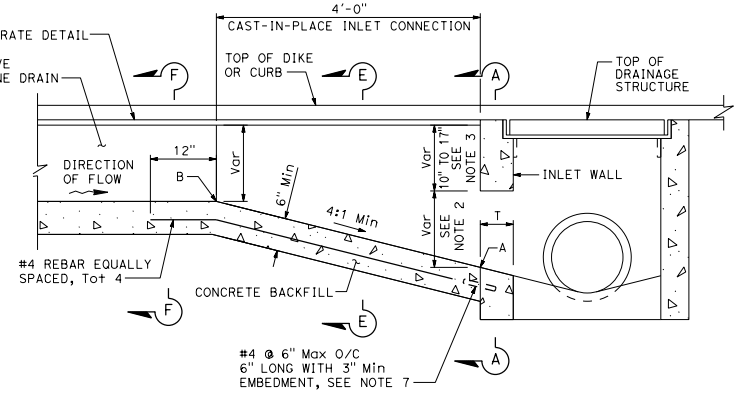
2025 REVISED STANDARD PLAN RSP B11-82



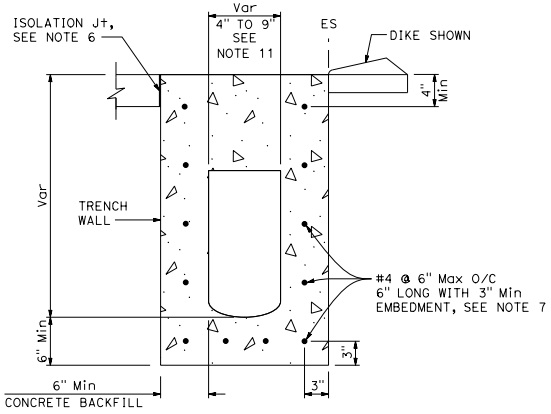
GRATED LINE DRAIN PLAN



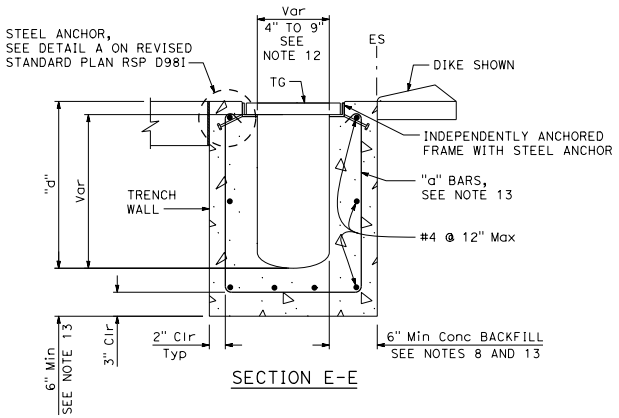
SECTION B-B



SECTION D-D



SECTION A-A



SECTION E-E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Sean T. Penders
No. C63744
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED _____

NOTES:

1. See quantity sheets for discharge capacity requirements.
2. Discharge capacity (cfs) at point A must be equivalent to maximum channel discharge capacity of grated line drain at point B.
3. Contractor to field verify minimum depth to avoid conflict with inlet top.
4. Grate patterns may vary from details shown. See special provisions.
5. See Standard Plan D98G for 4" polymer concrete grated line details.
6. Within PCC pavement, a 0.5" isolation joint must be made between pavement and concrete backfill. See isolation joint details on Standard Plans P45 and P46.
7. Bottom row of dowels to match inlet connection slope with 2" Min clear to inside of box. Place other dowels normal to inlet wall with 2" Min clear to inside of box.
8. Channel section shape and frame and grate configuration may vary.
9. Nominal dimensions shown. Allowable tolerances ±2%.
10. 3/16" maximum gap between adjacent grates.
11. Minimum channel width must be equal or greater than maximum channel width of grated line drain section.
12. See Revised Standard Plan RSP D98I for Section C-C and Section F-F.
13. Where "d" exceeds 3'-0", see table below:

"d" Max	CONCRETE BACKFILL THICKNESS	"a" BARS
4'-0"	6"	#4 @ 12
5'-0"	6"	#4 @ 8
6'-0"	8"	#4 @ 8

DESIGN NOTES:

DESIGN: AASHTO LRFD Bridge Design Specifications, 4th Edition with California Amendments
SOIL: γ = 120 pcf, ϕ = 34°
REINFORCED CONCRETE: f'_c = 3,600 psi, f_y = 60,000 psi

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GRATED LINE DRAIN DETAILS No. 2 INLET CONNECTION DETAILS (ALL TYPES EXCEPT 4" NOMINAL WIDTH POLYMER CONCRETE)

NO SCALE

RSP D98H DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D98H DATED SEPTEMBER 19, 2025 - PAGE 271 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D98H

2025 REVISED STANDARD PLAN RSP D98H

12-11-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Sean T. Penders — No. C63744 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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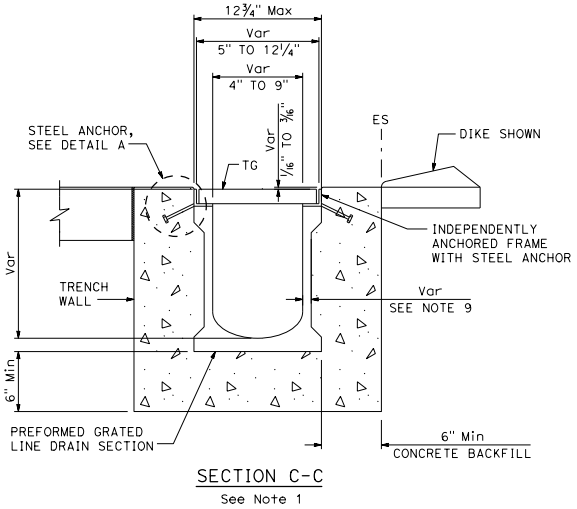
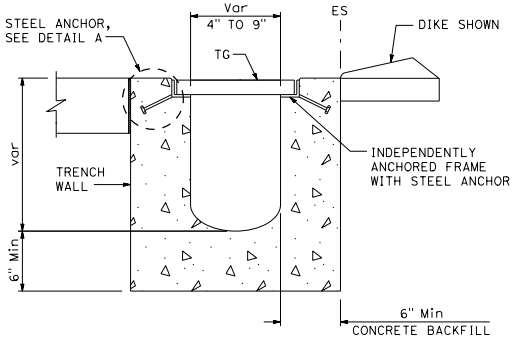
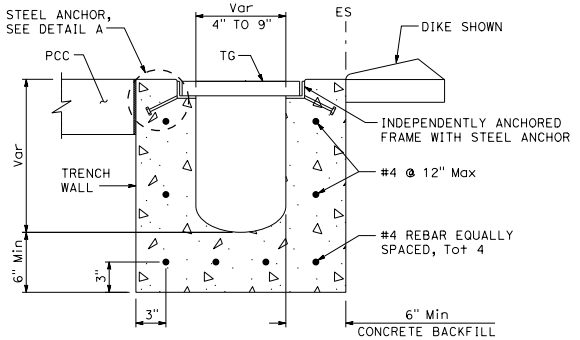
TO ACCOMPANY PLANS DATED _____



SECTION C-C
See Note 1



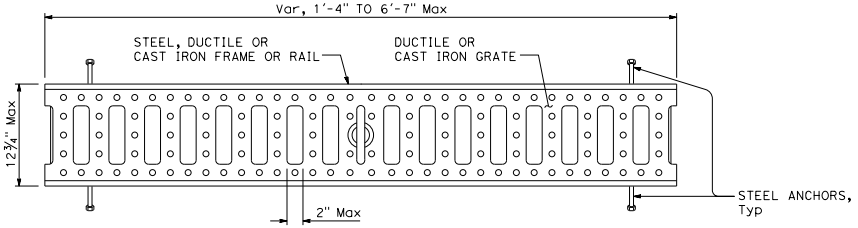
SECTION C-C
CAST-IN-PLACE ALTERNATIVE



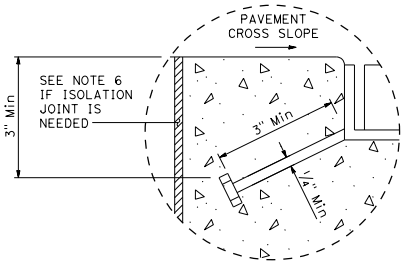
SECTION F-F

NOTE:

1. See Revised Standard Plan RSP D98H for corresponding notes.



FRAME AND GRATE DETAIL



DETAIL A
See Note 1

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GRATED LINE DRAIN DETAILS No. 3 (ALL TYPES EXCEPT 4" NOMINAL WIDTH POLYMER CONCRETE)

NO SCALE

RSP D98I DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D98I DATED SEPTEMBER 19, 2025 - PAGE 272 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D98I

2025 REVISED STANDARD PLAN RSP D98I

12-9-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

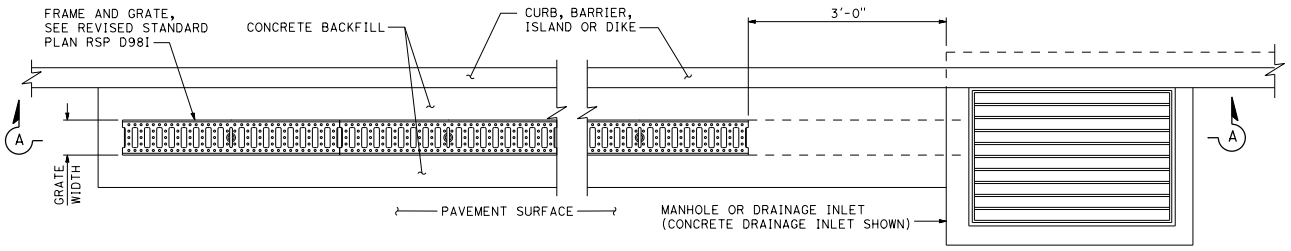
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

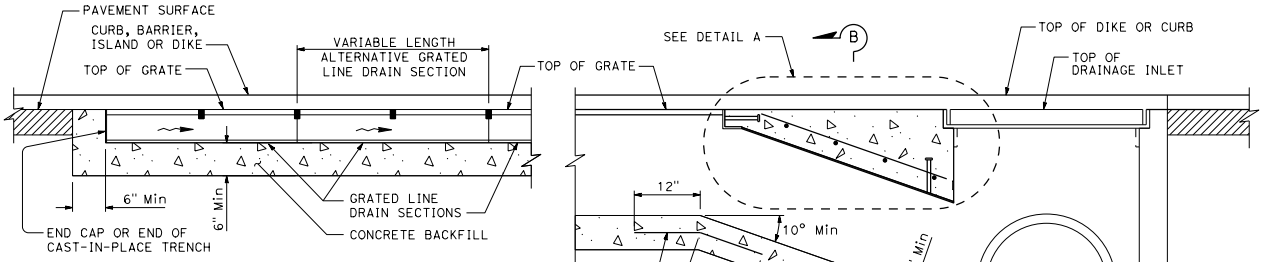
Sean T. Penders
No. C63744
Exp. 9-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

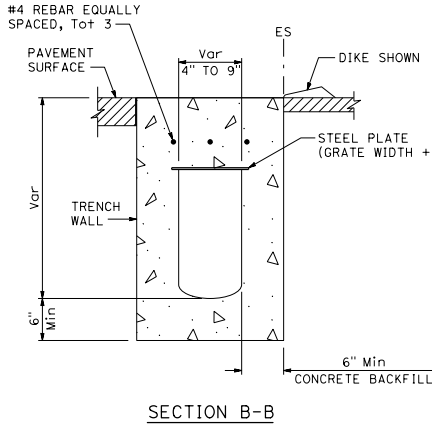
TO ACCOMPANY PLANS DATED _____



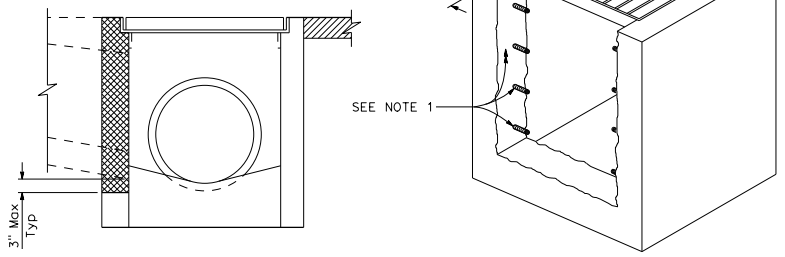
GRATED LINE DRAIN PLAN



SECTION A-A



SECTION B-B



PARTIAL REMOVAL OF EXISTING DROP INLET

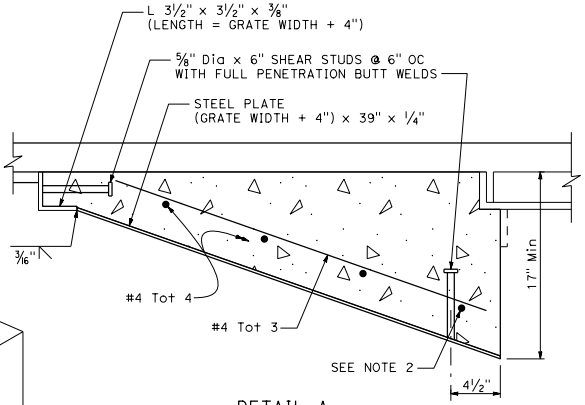
NOTES:

1. Preserve existing rebar during removal of side wall to tie to trench drain reinforcement. Install additional rebar to facilitate connection to drop inlet and replace damaged existing rebar. Doweling perpendicular to side wall in lieu of connecting to existing rebar is not permitted.
2. Drill rebar ends 3" into existing concrete, overlap and connect with double barrel mechanical coupler.

LEGEND:

PAVEMENT

LIMITS OF REMOVAL



DETAIL A

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GRATED LINE DRAIN DETAILS No. 4 CONNECTION TO EXISTING DRAINAGE STRUCTURE

NO SCALE

RSP D98J DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D98J DATED SEPTEMBER 19, 2025 - PAGE 273 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D98J

2025 REVISED STANDARD PLAN RSP D98J

12-9-25

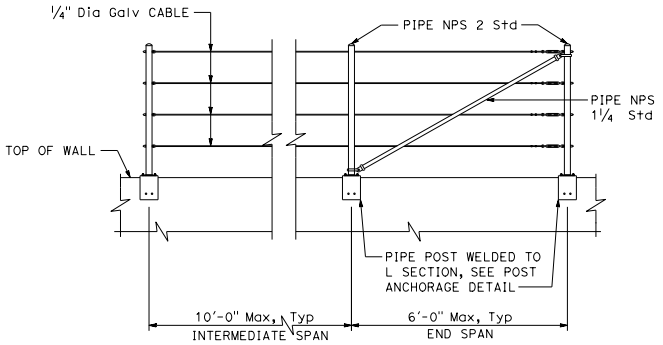
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — Sean T. Penders, No. C63744, Exp. 9-30-26, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

April 20, 2026
PLANS APPROVAL DATE

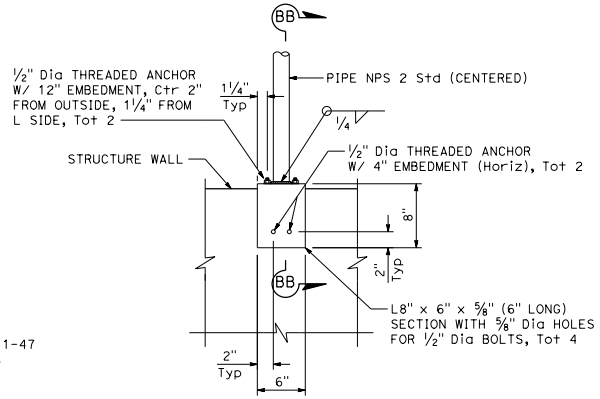
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED _____

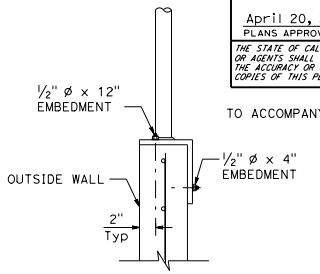


CABLE RAILING

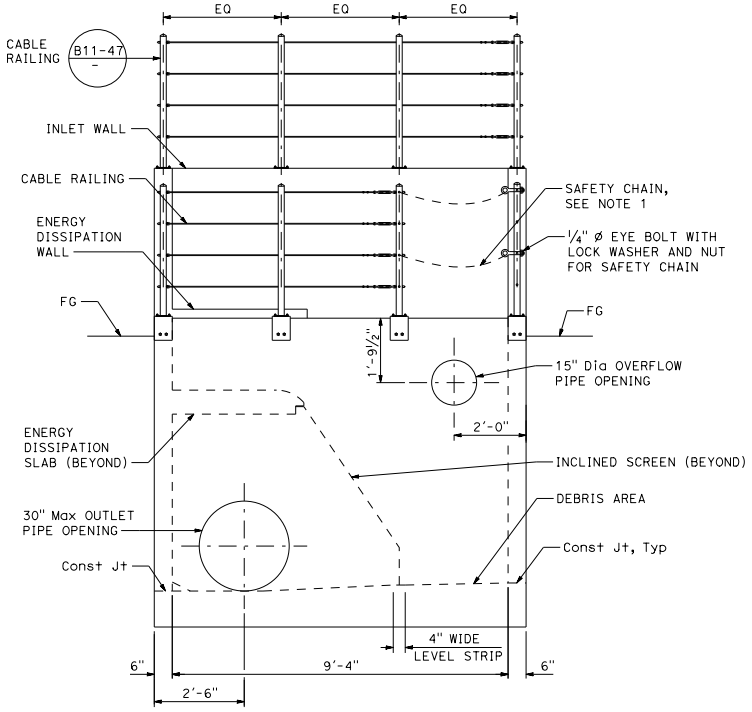
NOTE:
Refer to Standard Plan B11-47 for additonal information.



POST ANCHORAGE

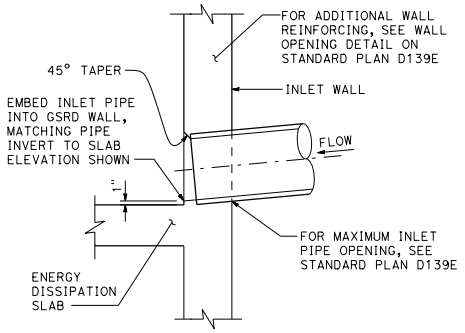


SECTION BB-BB



VIEW E-E

NOTE:
Jet plate and flow deflectors not shown for clarity.

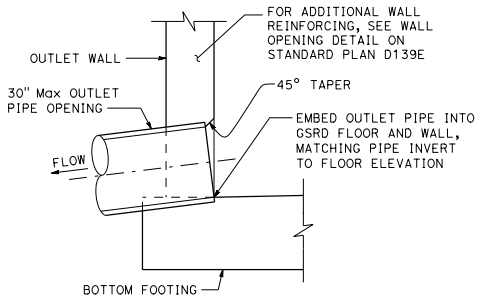


INLET DETAIL

Pipe entrance at wall

NOTES:

1. Safety chain must be ¼" galvanized steel coil chain, approximately 12 links per foot. Length must be minimum which allows lock-up of safety railing. Minimum of two safety chains per safety railing. Material must be grade 43 high test chain ASTM A413.
2. For View E-E location, see Standard Plan D139B.



OUTLET DETAIL

Pipe exit at wall - Inclined Screen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GROSS SOLIDS REMOVAL DEVICE INCLINED SCREEN DETAILS No. 1

NO SCALE

RSP D139C DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D139C DATED SEPTEMBER 19, 2025 - PAGE 281 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D139C

2025 REVISED STANDARD PLAN RSP D139C

12-10-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Sean T. Penders — No. C63744 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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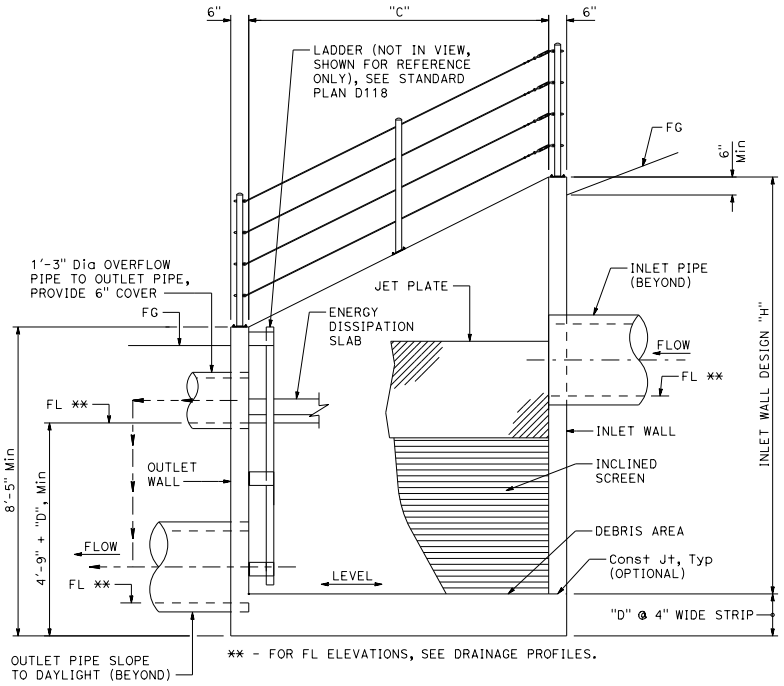
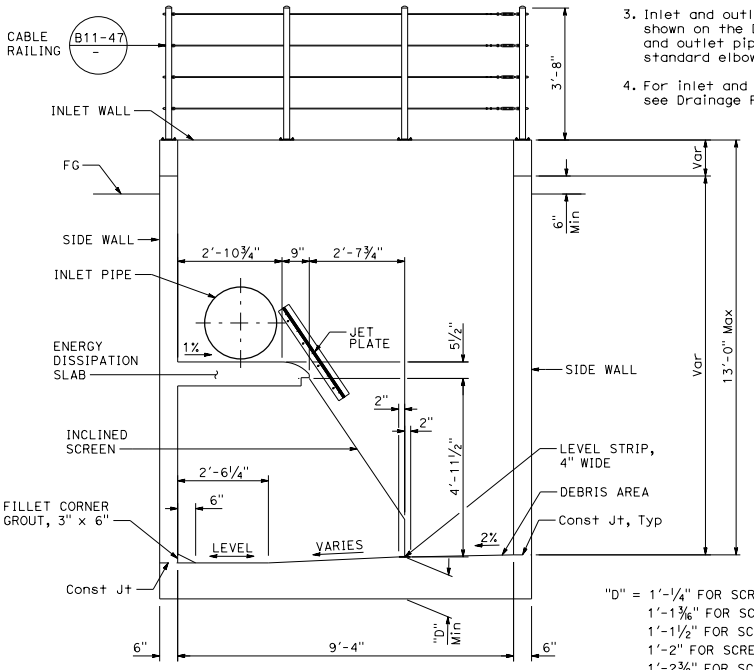
TO ACCOMPANY PLANS DATED _____



SECTION B-B
Flow deflectors not shown for clarity



SECTION C-C
Flow deflectors not shown for clarity

"D" = 1'-¼" FOR SCREEN LENGTH OF 3'-4⅛"
1'-1⅜" FOR SCREEN LENGTH OF 5'-0"
1'-1½" FOR SCREEN LENGTH OF 6'-8"
1'-2" FOR SCREEN LENGTH OF 8'-4"
1'-2⅜" FOR SCREEN LENGTH OF 10'-0"
1'-2¾" FOR SCREEN LENGTH OF 11'-8⅛"

NOTES:

1. See Drainage Plans for additional details.
2. For Section B-B and C-C locations, see Standard Plan D139B.
3. Inlet and outlet piping opening sizes are shown on the Drainage Plans. The overflow and outlet piping shall be connected via standard elbows and tees.
4. For inlet and outlet pipe details not shown, see Drainage Plans.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GROSS SOLIDS REMOVAL DEVICE INCLINED SCREEN DETAILS No. 4 WEDGE-WIRE SCREEN

NO SCALE

RSP D139F1 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D139F1
DATED SEPTEMBER 19, 2025 - PAGE 284 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D139F1

2025 REVISED STANDARD PLAN RSP D139F1

12-10-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Sean T. Penders
No. C63744
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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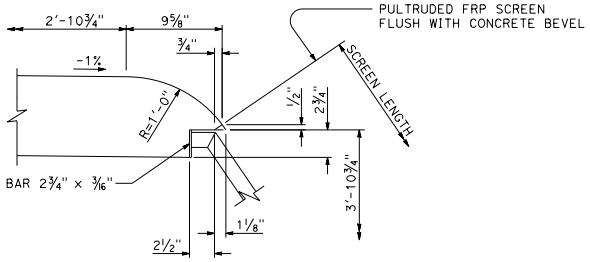
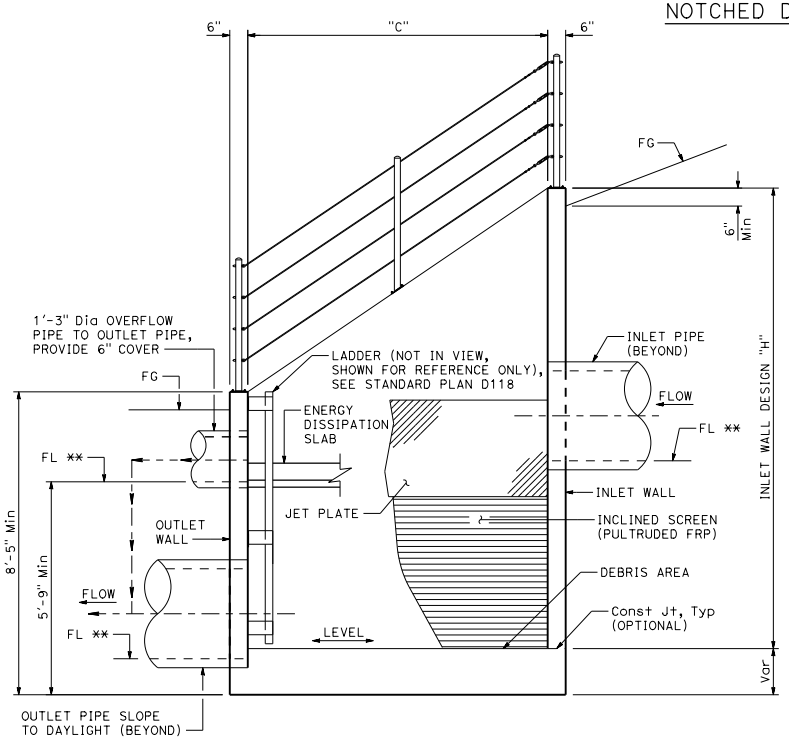
TO ACCOMPANY PLANS DATED _____



NOTCHED DETAIL

NOTES:

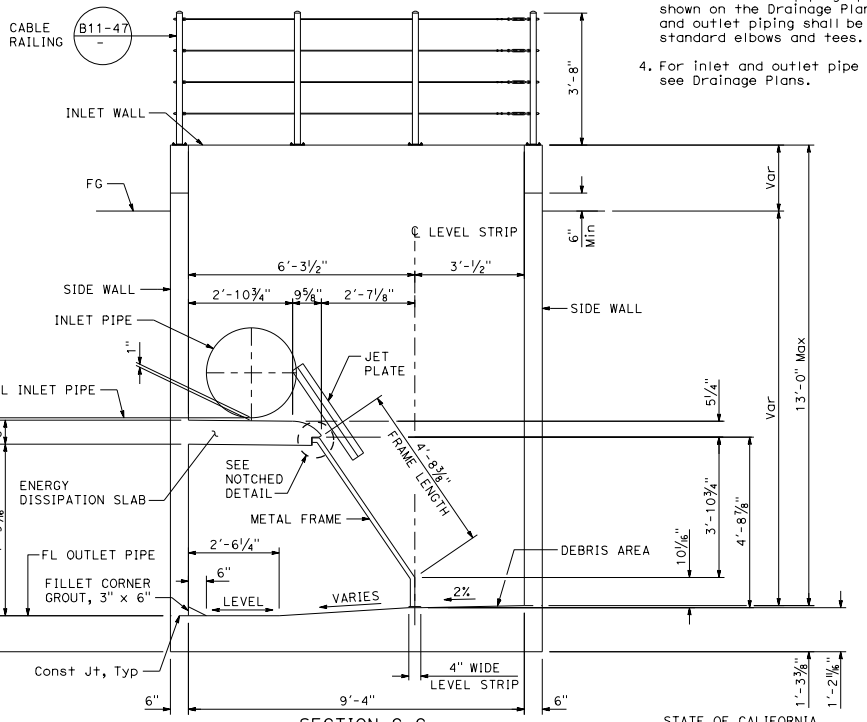
1. See Drainage Plans for additional details.
2. For Section B-B and C-C locations, see Standard Plan D139B.
3. Inlet and outlet piping opening sizes are shown on the Drainage Plans. The overflow and outlet piping shall be connected via standard elbows and tees.
4. For inlet and outlet pipe details not shown, see Drainage Plans.



SECTION B-B

Flow deflectors not shown for clarity

** - FOR FL ELEVATIONS, SEE DRAINAGE PROFILES



SECTION C-C

Flow deflectors not shown for clarity

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GROSS SOLIDS REMOVAL DEVICE INCLINED SCREEN DETAILS No. 6 PULTRUDED FRP SCREEN

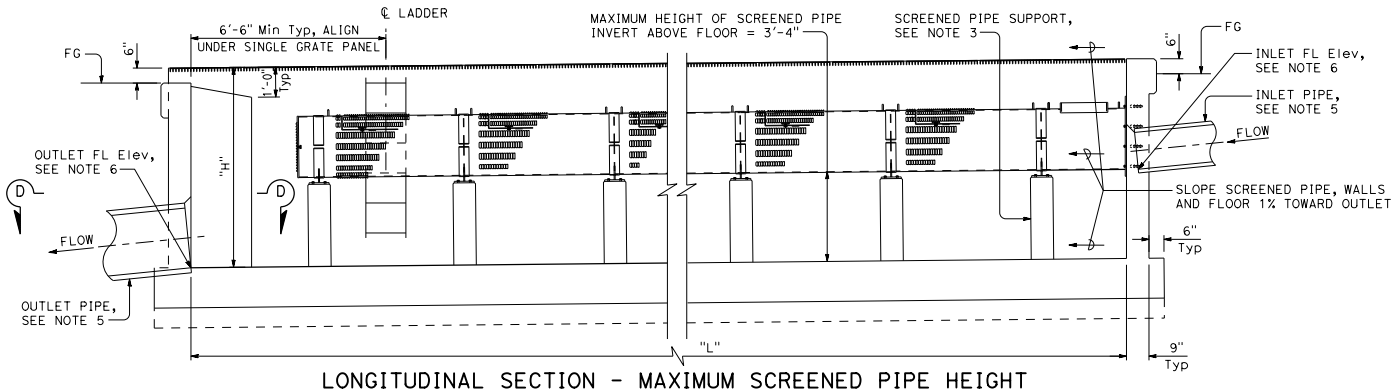
NO SCALE

RSP D139G1 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D139G1 DATED SEPTEMBER 19, 2025 - PAGE 286 OF THE STANDARD PLANS BOOK DATED 2025.

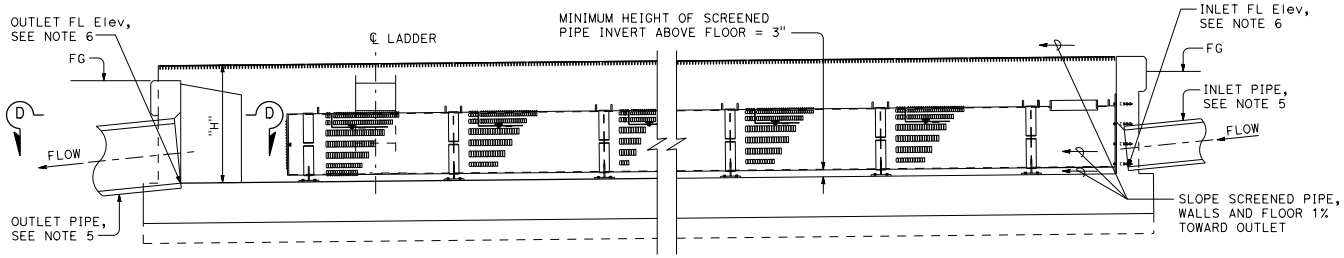
REVISED STANDARD PLAN RSP D139G1

2025 REVISED STANDARD PLAN RSP D139G1

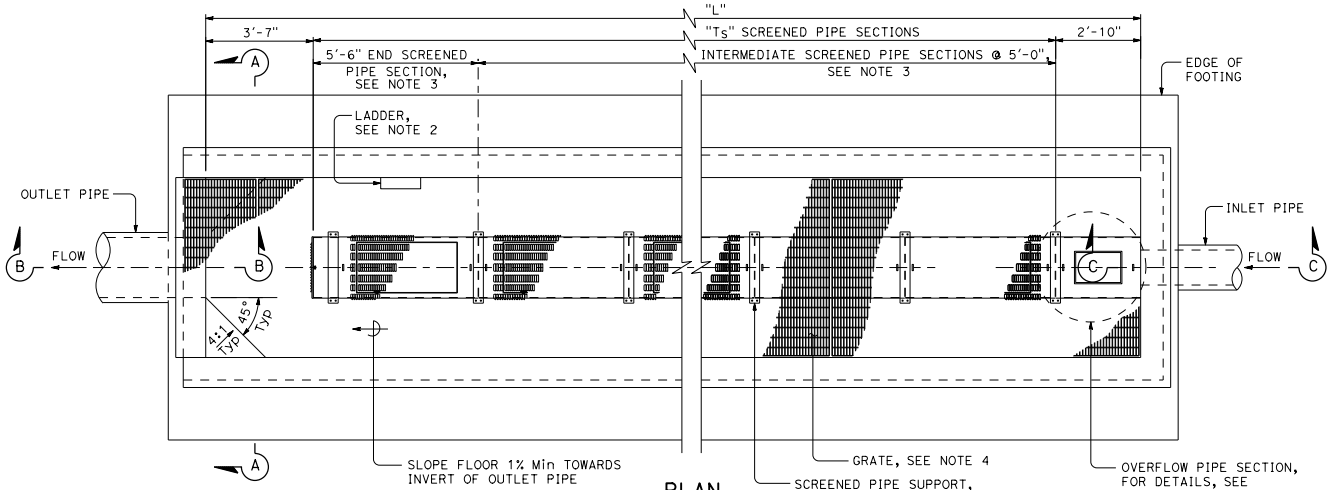
12-10-25



LONGITUDINAL SECTION - MAXIMUM SCREENED PIPE HEIGHT



LONGITUDINAL SECTION - MINIMUM SCREENED PIPE HEIGHT



PLAN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Sean T. Penders — No. C63744 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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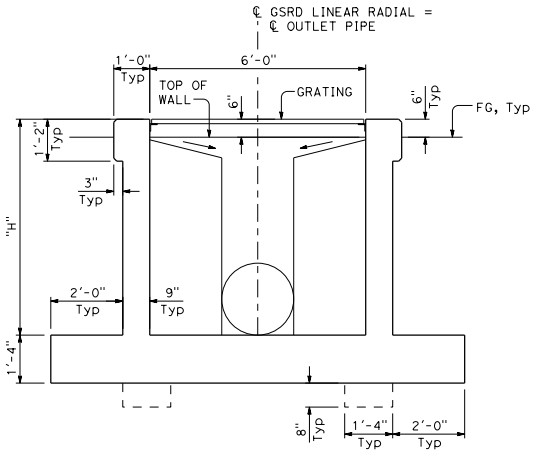
TO ACCOMPANY PLANS DATED _____

NOTES (THIS SHEET ONLY):

1. For Sections A-A, B-B, C-C and D-D, see Standard Plan D140C.
2. For ladder details, see Standard Plan D118.
3. For end and intermediate screened pipe details, see Standard Plan D140E.
4. For grate details, see Standard Plan D140F.
5. For layout of inlet and outlet pipes, see "Drainage Plans".
6. For FL elevation of inlet and outlet pipes, see "Drainage Profiles".
7. For dimension "L", "Ts" and other design data, see Design Chart on Standard Plan D140A.
8. For dimension "H", see Standard Plan D140C.



TYPICAL SECTION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GROSS SOLIDS REMOVAL DEVICE LINEAR RADIAL LAYOUT

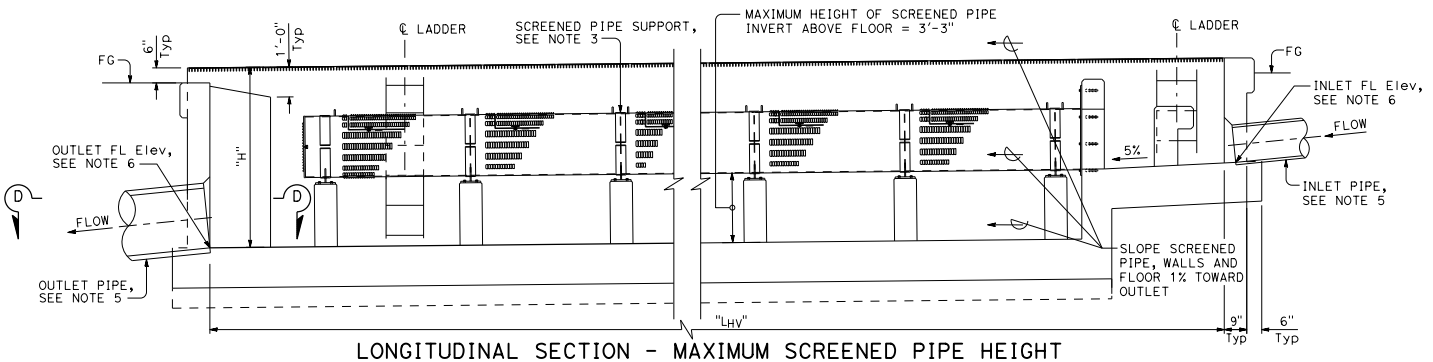
NO SCALE

RSP D140B DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D140B DATED SEPTEMBER 19, 2025 - PAGE 289 OF THE STANDARD PLANS BOOK DATED 2025.

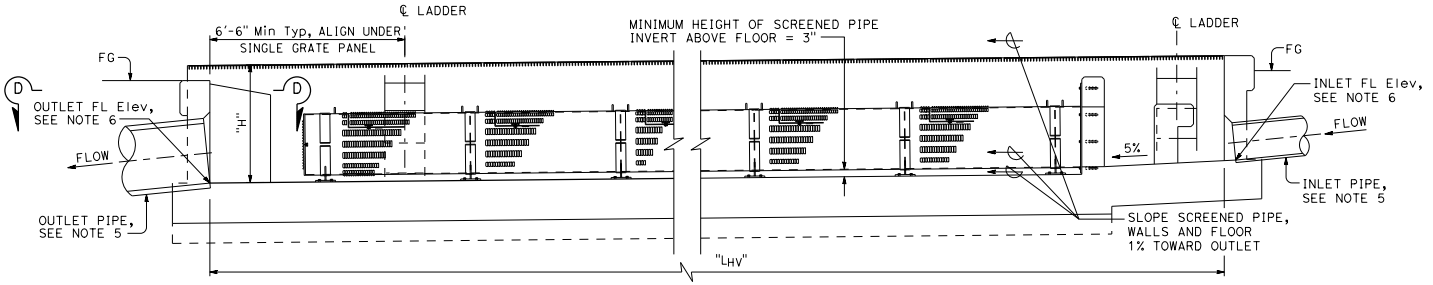
REVISED STANDARD PLAN RSP D140B

2025 REVISED STANDARD PLAN RSP D140B

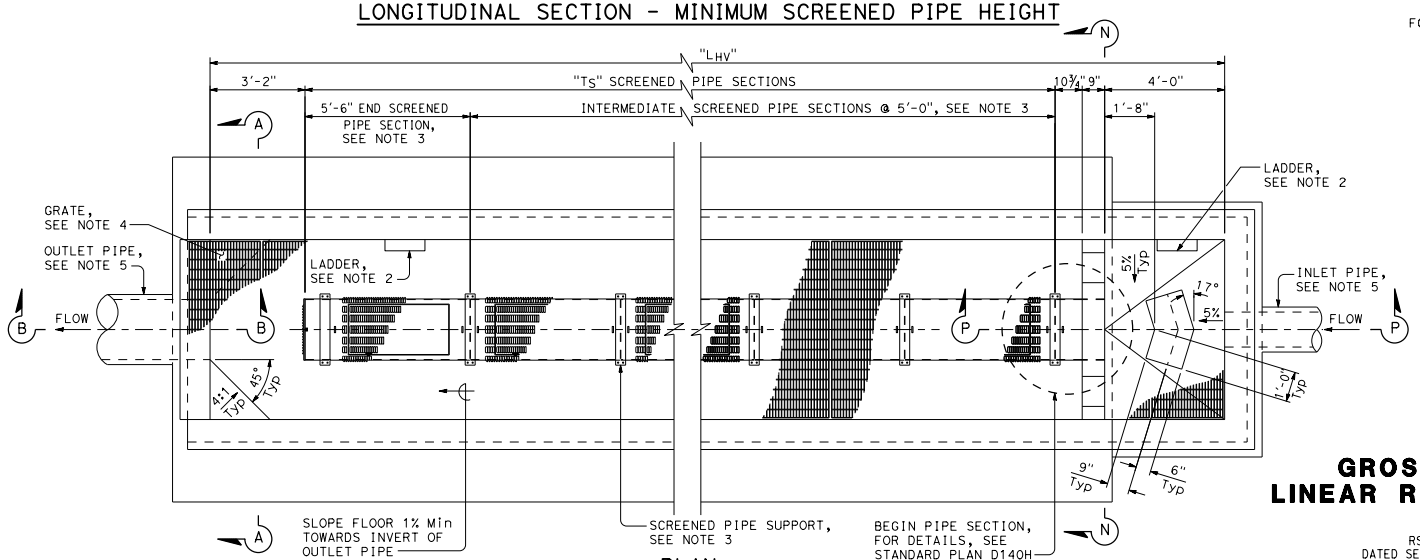
12-10-25



LONGITUDINAL SECTION - MAXIMUM SCREENED PIPE HEIGHT



LONGITUDINAL SECTION - MINIMUM SCREENED PIPE HEIGHT



PLAN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Sean Penders
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Sean T. Penders — No. C63744 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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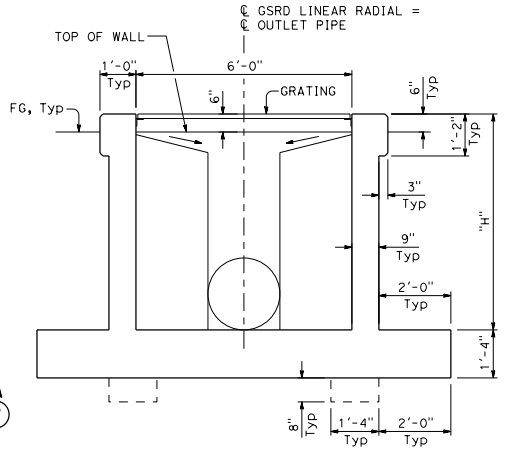
TO ACCOMPANY PLANS DATED _____

NOTES (THIS SHEET ONLY):

1. For Sections A-A, B-B, and D-D, see Standard Plan D140C.
2. For ladder details, see Standard Plan D118.
3. For end and intermediate screened pipe details, see Standard Plan D140E.
4. For grate details, see Standard Plan D140F.
5. For layout of inlet and outlet pipes, see Drainage Plans.
6. For FL elevations of inlet and outlet pipes, see Drainage Profiles.
7. For dimensions "LHV", "TS", and other design data, see Design Chart on Standard Plan D140A.
8. For dimension "H", see Standard Plan D140C.
9. For Sections N-N and P-P, see Standard Plan D140H.



TYPICAL SECTION

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

GROSS SOLIDS REMOVAL DEVICE
LINEAR RADIAL (HIGH VELOCITY) LAYOUT

NO SCALE

RSP D140G DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN D140G DATED SEPTEMBER 19, 2025 - PAGE 294 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP D140G

2025 REVISED STANDARD PLAN RSP D140G

12-10-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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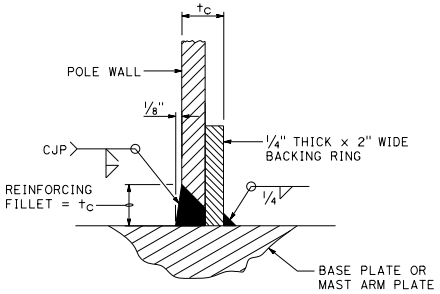
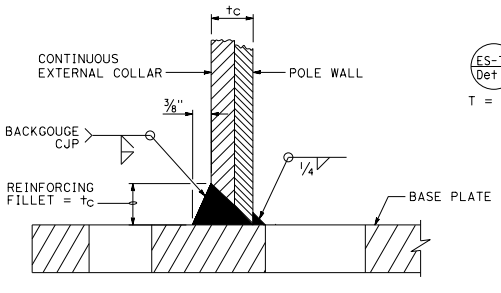
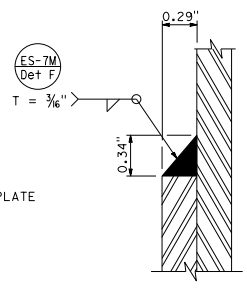
TO ACCOMPANY PLANS DATED _____



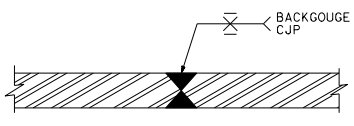
DETAIL B



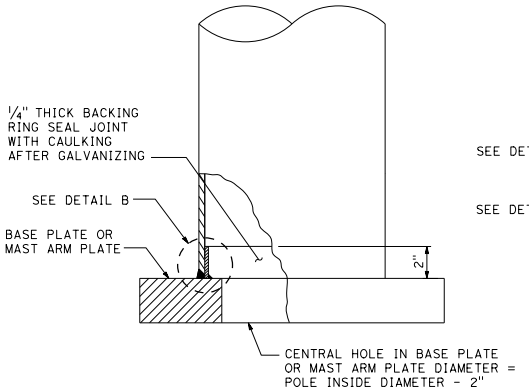
DETAIL C1



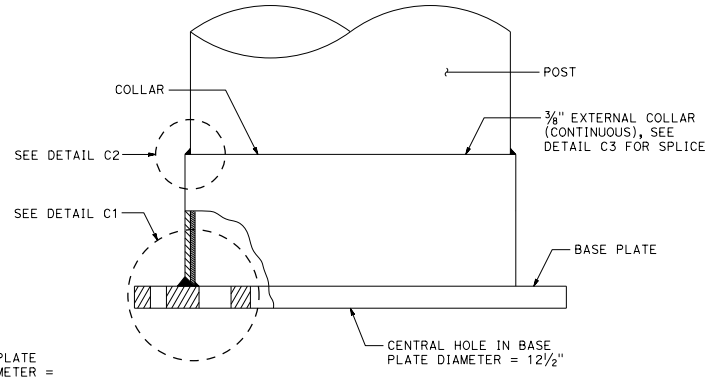
DETAIL C2



DETAIL C3

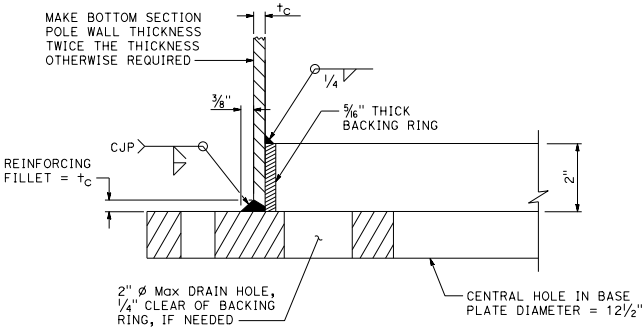


ELEVATION B



ELEVATION C

For alternative base, see Detail C4.



DETAIL C4

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, DETAILS No. 3)

NO SCALE

RSP ES-7O DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN ES-7O
DATED SEPTEMBER 19, 2025 - PAGE 578 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP ES-7O

2025 REVISED STANDARD PLAN RSP ES-7O

12-24-25

POLE TYPE	POLE DATA					BASE PLATE DATA					CIDH PILE DATA	
	HEIGHT "h"	Min OD		THICKNESS BOTTOM SEGMENT (Min 25' LONG)	Min THICKNESS UPPER SEGMENT(S)	Dia	THICKNESS	ANCHOR BOLT SIZE		BC	"D"	"L"
		BASE	TOP					TOTAL	"d"			
HM CAMERA POLE 50	50'	18"	10⅞"	0.3125"	0.1875"	32"	2"	12	2¼"	25"	3'-6"	13'-0"
HM CAMERA POLE 60	60'		9½"									
HM CAMERA POLE 70	70'	22"	12"			36"	3"			29"	4'-0"	14'-0"
HM CAMERA POLE 80	80'	22"	11⅝"	0.375"	0.25"	39"			3"	30"	4'-6"	
HM CAMERA POLE 90	90'	25"	17⅛"			46"				37"	6'-0"	15'-0"

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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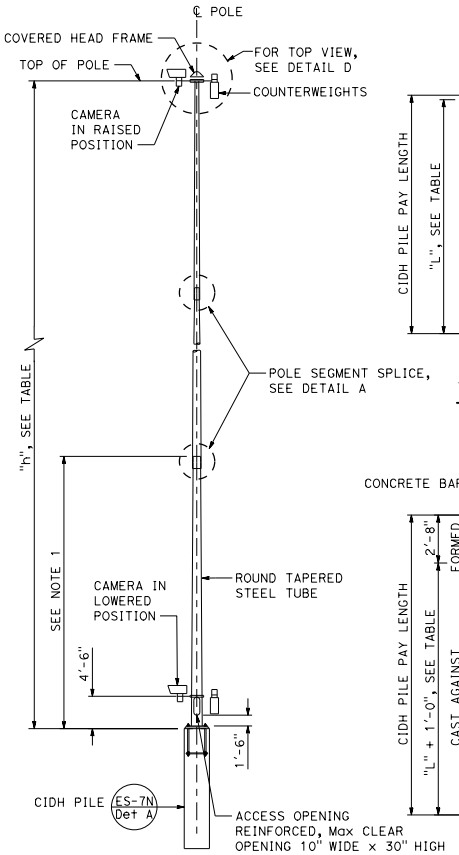
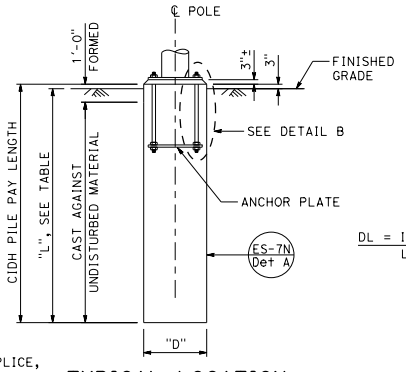
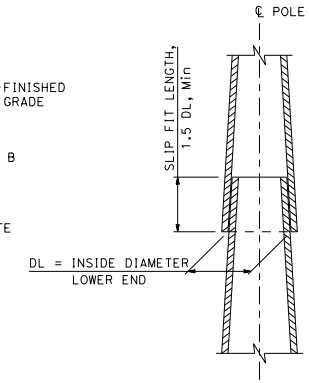
TO ACCOMPANY PLANS DATED _____



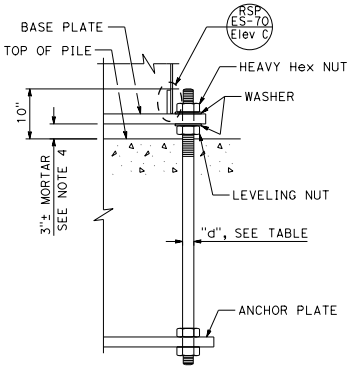
POLE
ELEVATION A



TYPICAL LOCATION
ELEVATION B



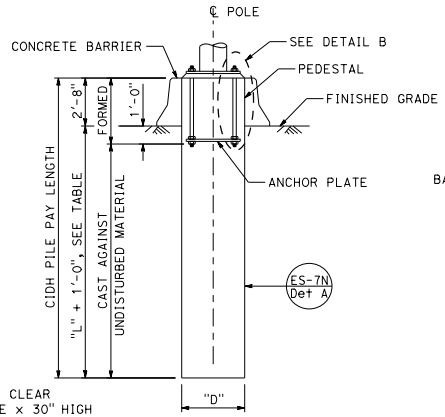
POLE SPLICE SEGMENT
DETAIL A



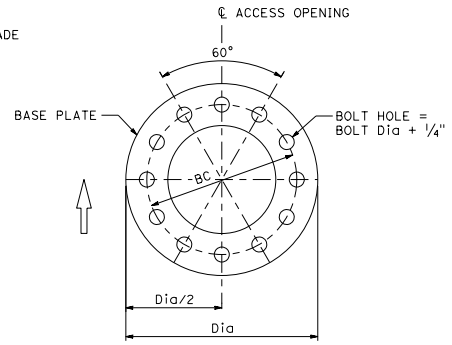
ANCHOR BOLT
DETAIL B

NOTES:

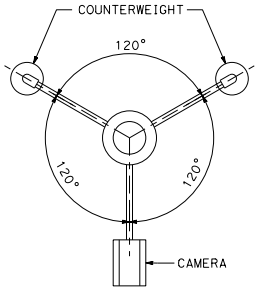
1. Pole details shall suit the lowering device and this foundation plan. Pole details shall be submitted to the Engineer for approval.
2. Access opening shall be located on the downstream side of traffic unless otherwise determined by the Engineer.
3. Foundation design is based on a 3-second wind gust of 100 mph.
4. For central void and drain holes in mortar, see Standard Plan ES-6B Detail N.
5. For wind loading, see Standard Plan ES-7M.
6. Materials (Structural Steel):
   fy = 55,000 psi (tapered steel tube)
   fy = 50,000 psi (unless otherwise noted)



MEDIAN LOCATION
ELEVATION C



BASE PLATE
DETAIL C



TOP VIEW
DETAIL D

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (HIGH MAST CAMERA POLE 50' TO 90')

NO SCALE

RSP ES-16C DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN ES-16C
DATED SEPTEMBER 19, 2025 - PAGE 603 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP ES-16C

2025 REVISED STANDARD PLAN RSP ES-16C

5-30-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

LICENSED LANDSCAPE ARCHITECT

April 20, 2026
PLANS APPROVAL DATE

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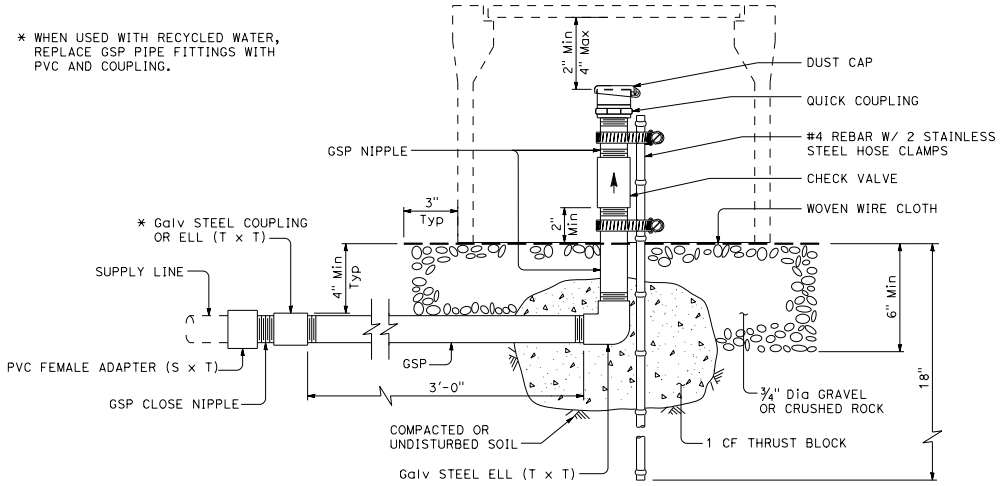
LICENSED LANDSCAPE ARCHITECT
CATHERINE B. BANNER-ROSES
Signature
6-30-27
Renewal Date
Date
STATE OF CALIFORNIA

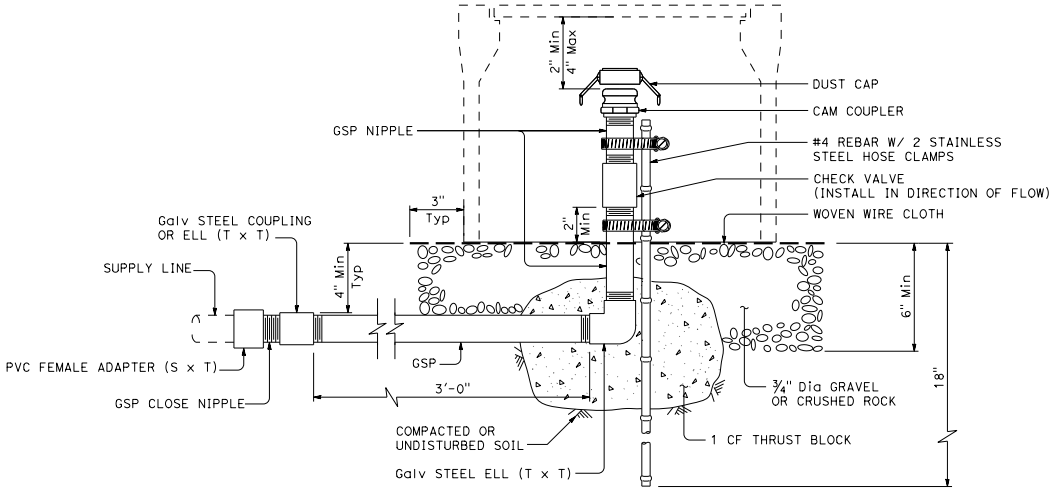
TO ACCOMPANY PLANS DATED _____

* WHEN USED WITH RECYCLED WATER, REPLACE GSP PIPE FITTINGS WITH PVC AND COUPLING.



ELEVATION

QUICK COUPLING VALVE

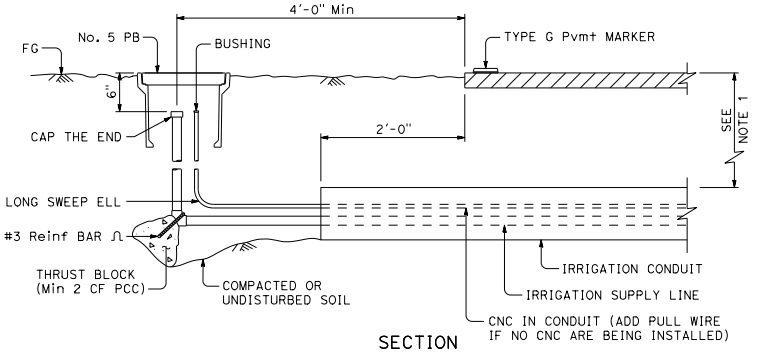


ELEVATION

CAM COUPLER ASSEMBLY

NOTES:

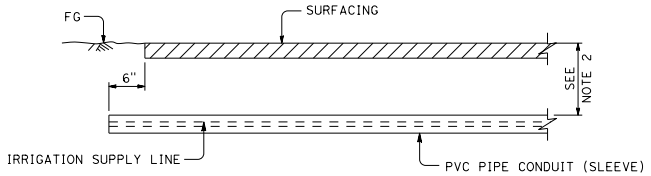
1. 40" to 50".
2. 12" downstream of RCV, 18" upstream of RCV.



SECTION

IRRIGATION CONDUIT

Under traveled way



SECTION

PVC PIPE CONDUIT (SLEEVE)

Under sidewalks, driveways pavement, slope paving, paved ditches and paths

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS

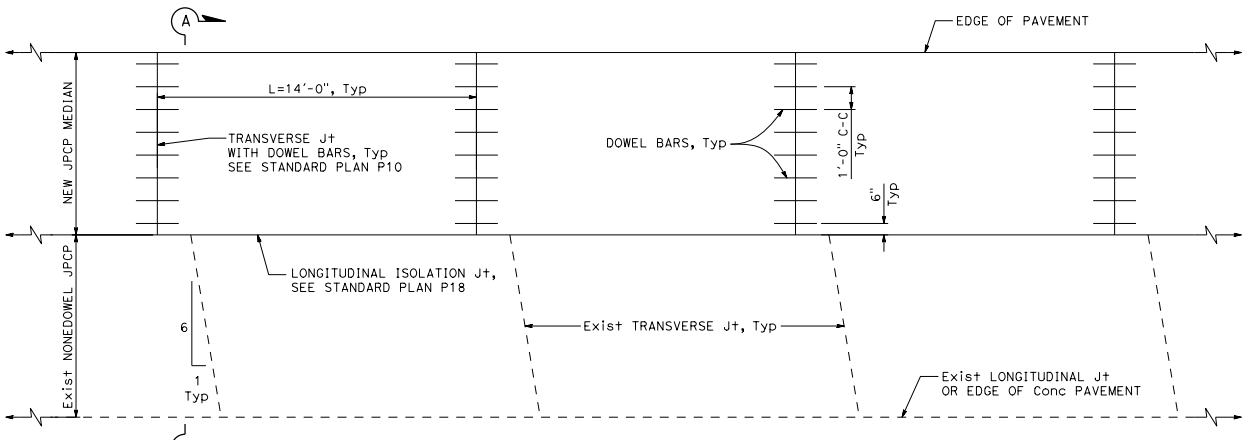
NO SCALE

RSP H8 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN H8
DATED SEPTEMBER 19, 2025 - PAGE 303 OF THE STANDARD PLANS BOOK DATED 2025.

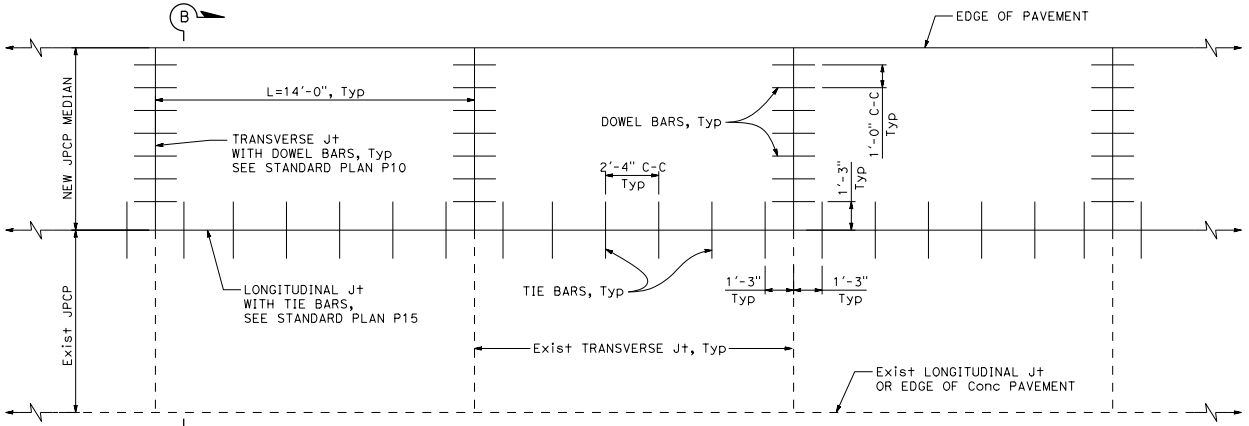
REVISED STANDARD PLAN RSP H8

2025 REVISED STANDARD PLAN RSP H8

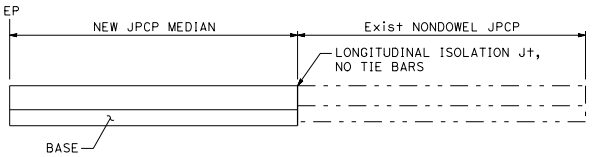
10-1-25



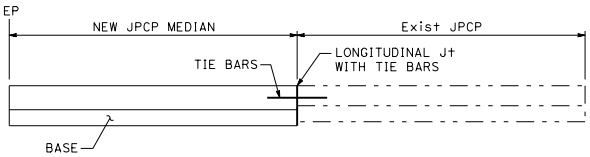
MEDIAN ADDITION TO LANE WITH SKEW JOINTS



MEDIAN ADDITION TO LANE WITH STRAIGHT JOINTS



SECTION A-A



SECTION B-B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Dulce Rufino Feldman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Dulce Rufino Feldman
No. C81459
Exp. 9-30-27
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

JOINTED PLAIN CONCRETE PAVEMENT MEDIAN ADDITION/RECONSTRUCTION

NO SCALE

RSP P3C DATED APRIL 20, 2026 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP P3C

12-16-25

2025 REVISED STANDARD PLAN RSP P3C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Andre Totari
No. C94691
Exp. 6-30-27
CIVIL
STATE OF CALIFORNIA

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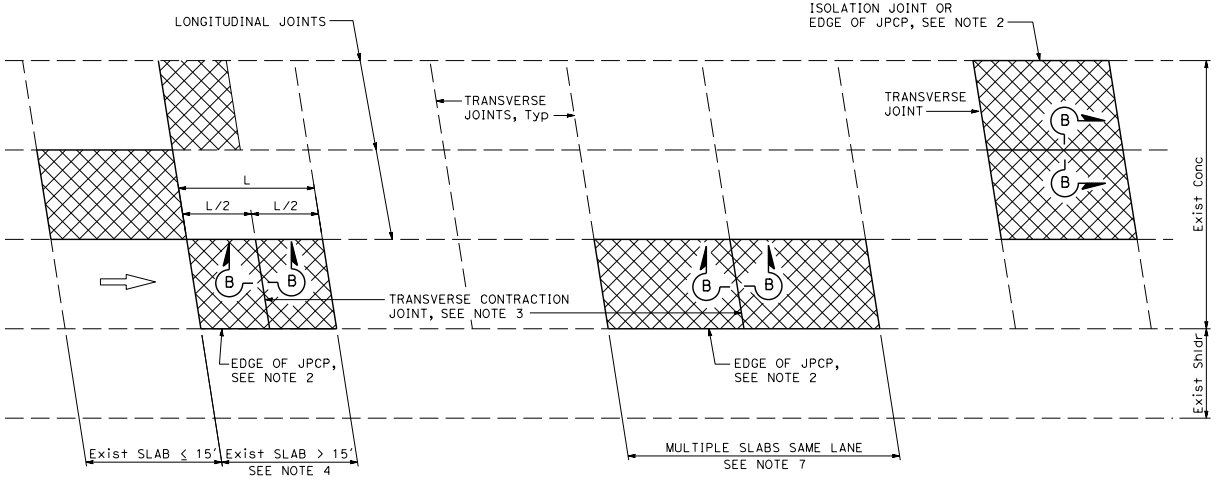
TO ACCOMPANY PLANS DATED _____



PLAN

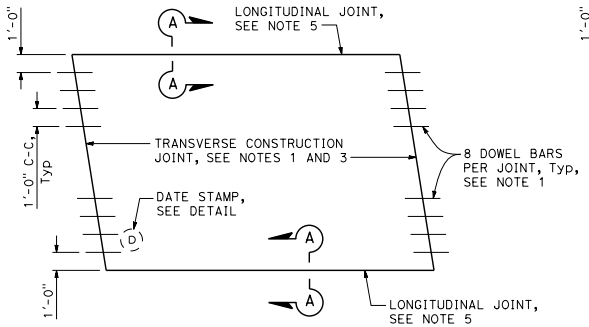
NOTES:

1. For details not shown, see Revised Standard Plan RSP P8B, and Standard Plans P10 and P12.
2. Use side forms where edge of RSC pavement is adjacent to asphalt concrete.
3. Transverse joints to match skew of existing joint unless otherwise specified.
4. Where the transverse joint spacing exceeds 15'-0", construct an additional transverse contraction joint midway between the joints.
5. Do not place tie bars at longitudinal joints.
6. For skewed dowel bar basket details, refer to Revised Standard Plan RSP P8B.
7. Date stamp on the first and last panel if there are multiple panels in a row.

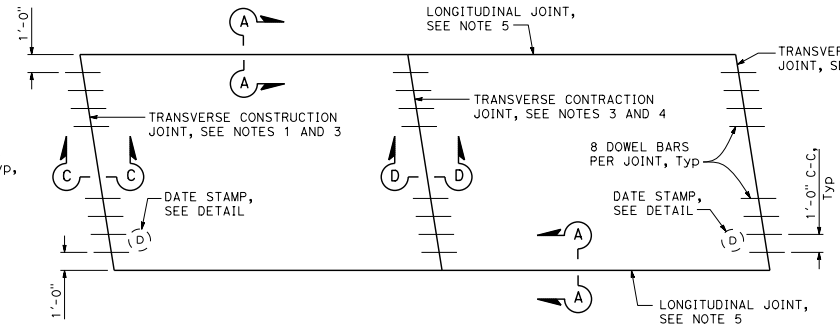
LEGEND:

RSC RAPID STRENGTH CONCRETE

INDIVIDUAL SLAB REPLACEMENT WITH RSC

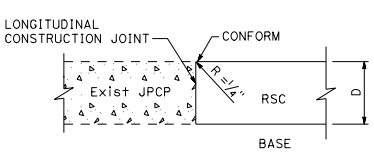


SINGLE SLAB REPLACEMENT

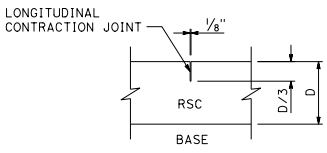


MULTIPLE SLAB REPLACEMENT

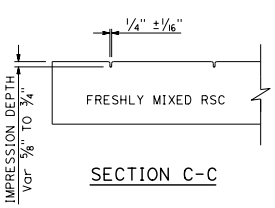
SLAB LAYOUT



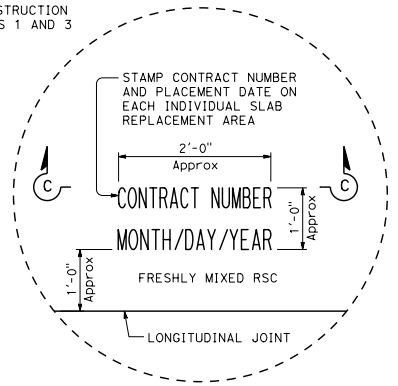
SECTION A-A



SECTION B-B
See Note 5



SECTION C-C



DATE STAMP DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

INDIVIDUAL SLAB REPLACEMENT WITH RAPID STRENGTH CONCRETE

NO SCALE

RSP P8A DATED APRIL 20, 2026 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP P8A

2025 REVISED STANDARD PLAN RSP P8A

12-29-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Andre Totari
No. C94691
Exp. 6-30-27
CIVIL
STATE OF CALIFORNIA

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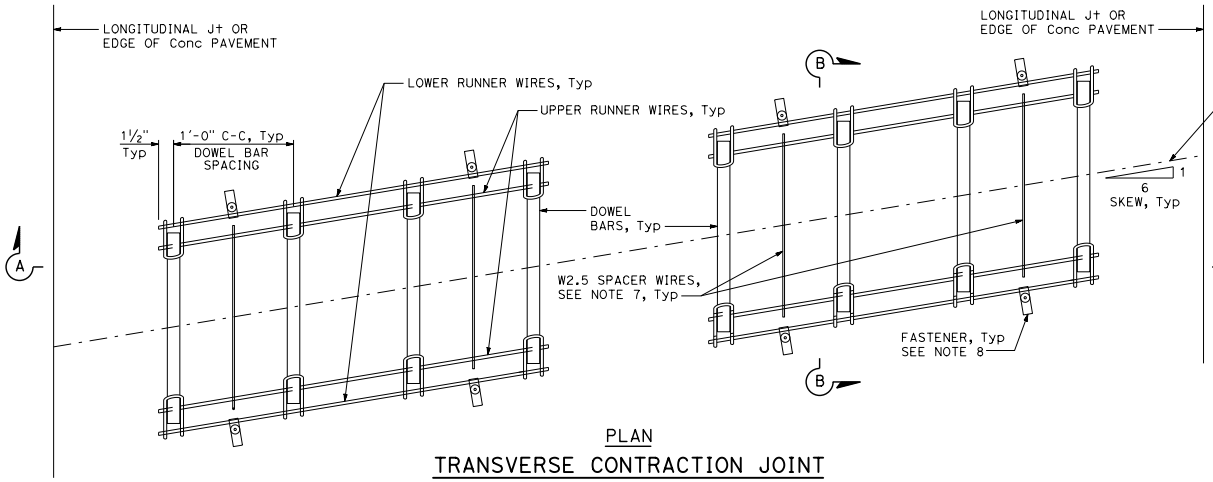
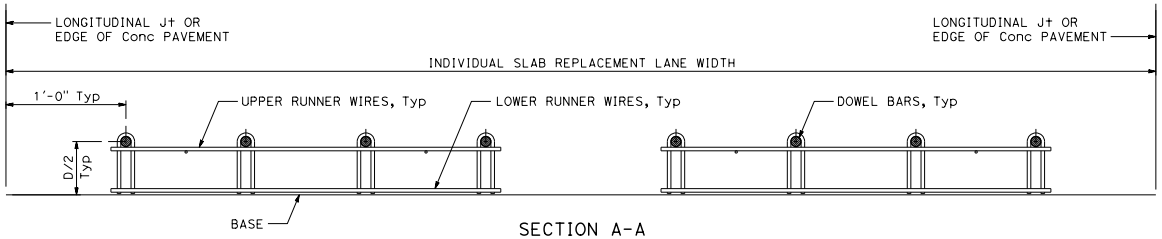
TO ACCOMPANY PLANS DATED _____



PLAN

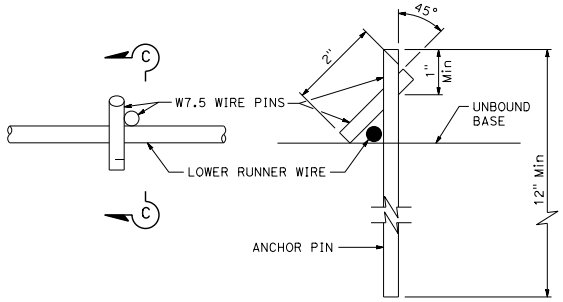
TRANSVERSE CONTRACTION JOINT DOWEL BAR BASKET

See Note 3



SECTION A-A

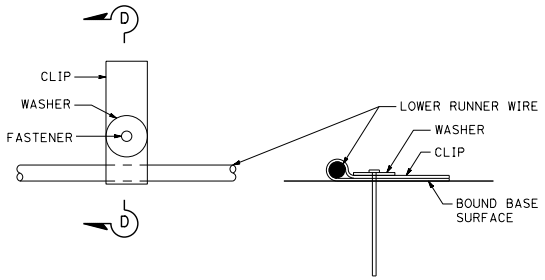
See Note 3



PLAN SECTION C-C

ANCHOR PIN DETAIL

See Note 8



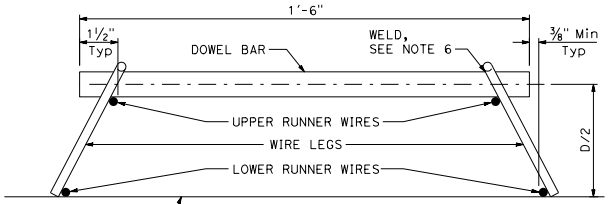
PLAN SECTION D-D

FASTENER DETAIL

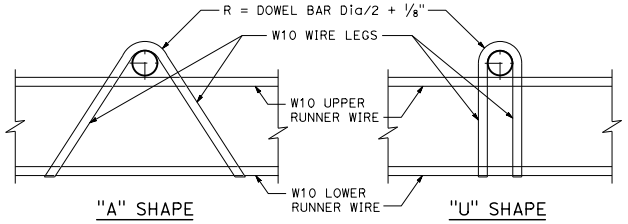
See Note 8

NOTES:

1. For details not shown, see Standard Plan P10.
2. Install dowel bars at transverse joints parallel to an adjacent longitudinal joint. Match the skewed offset and location of adjacent existing transverse joints.
3. "U" frame shape assembly shown. Use either "U" frame or "A" frame shape.
4. Wire sizes shown are the minimum required.
5. Resistance weld wire intersections.
6. Arc or resistance weld alternating ends of dowel bars at the top or bottom of the bar.
7. Weld spacer wires to upper runner wire.
8. Use fasteners for treated or bound base surfaces. Use anchor pins on soil or unbound granular base material.



SECTION B-B



ASSEMBLY FRAME DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

INDIVIDUAL SLAB REPLACEMENT DOWEL BAR BASKET DETAILS

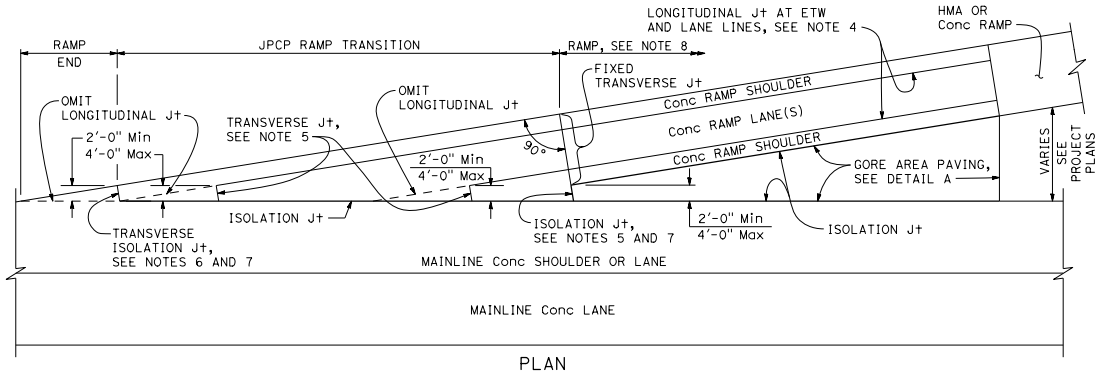
NO SCALE

RSP P8B DATED APRIL 20, 2026 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP P8B

2025 REVISED STANDARD PLAN RSP P8B

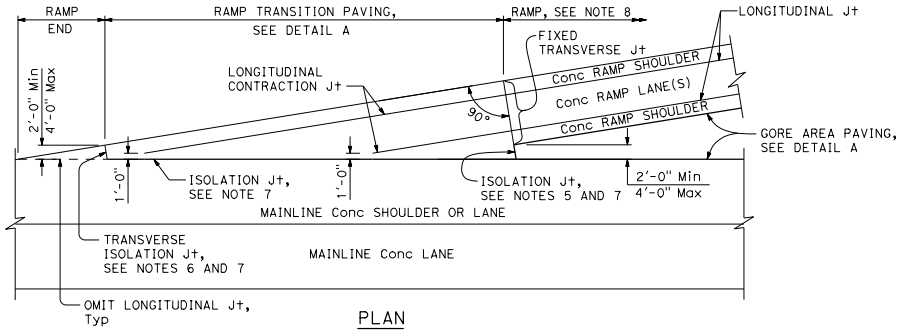
11-10-25



PLAN

RAMP TRANSITION DETAIL

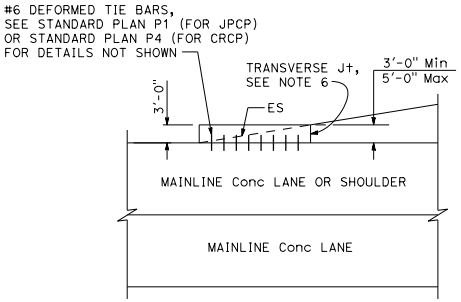
See Note 1



PLAN

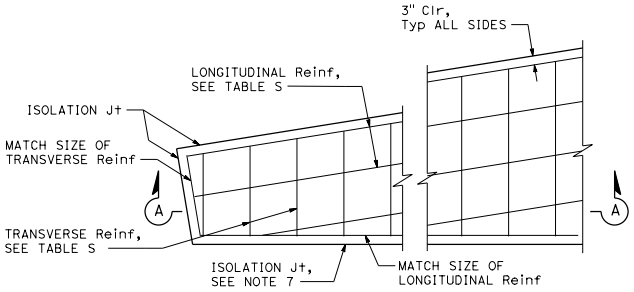
ALTERNATE RAMP TRANSITION DETAIL

For JPCP and CRCP

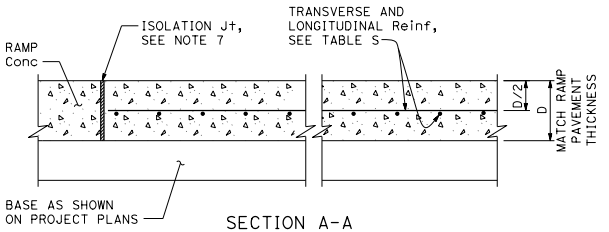


PLAN

ALTERNATE RAMP END DETAIL



DETAIL A



SECTION A-A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Dulce Rufino Feldman — No. C81459 — Exp. 9-30-27 — CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

NOTES:

1. Details for gore area paving are applicable to both exit and entrance ramps.
2. Transverse Joint Layouts are not shown. Refer to Standard Plan P1 or Project Plans for details regarding joint layouts, tie bars, and dowel bars not shown.
3. WWF 4 x 4 - W4.0 x W4.0 can be used in place of steel reinforcement for gore area paving only.
4. Omit longitudinal joint when concrete on ramp shoulder is less than 3'-0".
5. Place joint perpendicular to ramp longitudinal joints. Match location of joint with ramp transverse joints.
6. Place joint perpendicular to ramp longitudinal joints. Match location of joint with mainline transverse joints.
7. Isolation joint detail shown on Standard Plan P18.
8. For jointed plain concrete pavement, transverse joints to be spaced from fixed transverse joint and shall follow spacing pattern on Standard Plan P1. Minimum spacing shall be 6'-0".

TABLE S

LOCATION	TRANSVERSE BAR	LONGITUDINAL BAR
GORE AREA PAVING	#4 @ 1'-0" *	#4 @ 1'-0" *
RAMP TRANSITION (JPCP)	#6 @ 1'-6"	#6 @ 9"
RAMP TRANSITION (CRCP)	#6 @ 4'-0"	SEE STANDARD PLAN P4, TABLE No. 1

* See Note 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT
RAMP TRANSITION PAVING DETAILS

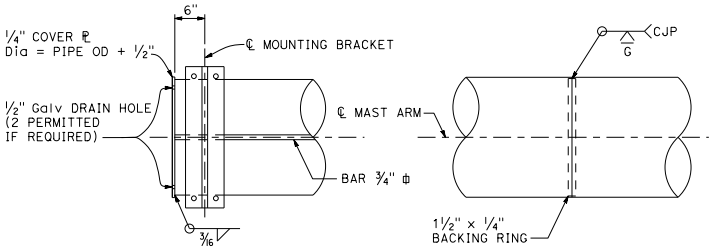
NO SCALE

RSP P35 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN P35
DATED SEPTEMBER 19, 2025 - PAGE 193 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP P35

2025 REVISED STANDARD PLAN RSP P35

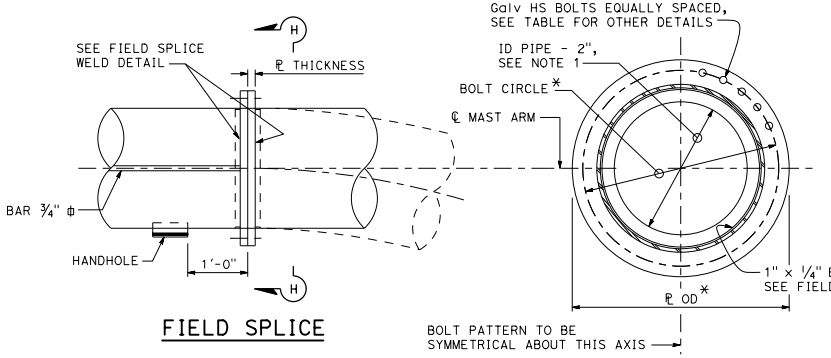
11-26-25



MAST ARM END DETAIL

For Single Post Type only.

SHOP SPLICE



FIELD SPLICE

SECTION H-H

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

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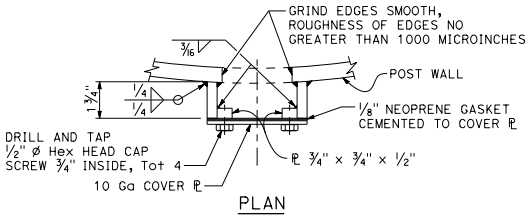
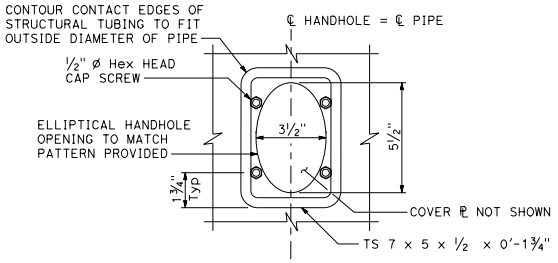
REGISTERED PROFESSIONAL ENGINEER
Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED _____

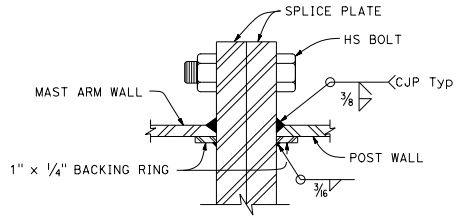


PLAN

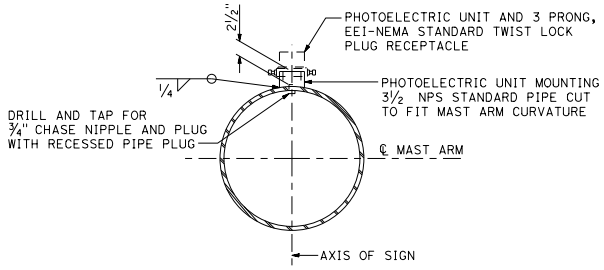


ELEVATION

DETAILS OF LOWER HANDHOLE AND COVER

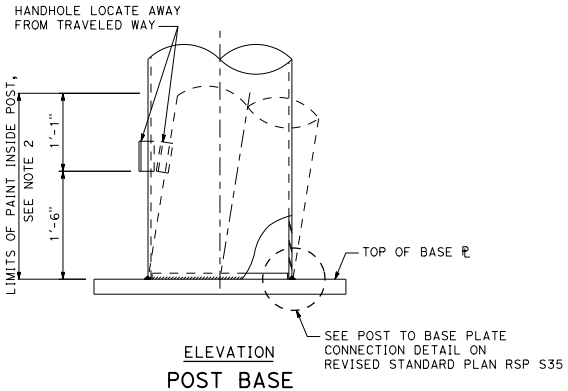


FIELD SPLICE WELD DETAIL



PHOTOELECTRIC UNIT DETAILS

See Layout sheet for location when required.



ELEVATION

POST BASE

For base ℄ details, see Revised Standard Plan RSP S35.

NOTES:

1. Place single thin bead of silicone caulking compound around hole before bolting. Caulking not to interfere with friction between plates in bolted area.
2. Prime and paint post interior from base ℄ to 6" above lower handhole unless post is galvanized.
3. Field splice diameters marked "*" may be increased 2" to facilitate bolting.

ABBREVIATION:

ID - Inside Diameter of Post Pipe

FIELD SPLICE TABLE

PIPE SIZE (NPS)	℄ OD *	℄ THICKNESS	BOLT CIRCLE Dia *	No. OF HS BOLTS AND BOLT Dia
20	2'-3"	1⅜"	2'-0"	22 - 1"
24	2'-7"	1½"	2'-4"	26 - 1"
30	3'-1"	1⅝"	2'-10"	34 - 1"

NOTE:

Design based on capacity of standard pipe.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TUBULAR STRUCTURAL FRAME DETAILS No. 2

NO SCALE

RSP S34 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S34
DATED SEPTEMBER 19, 2025 - PAGE 479 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S34

05-22-25

2025 REVISED STANDARD PLAN RSP S34

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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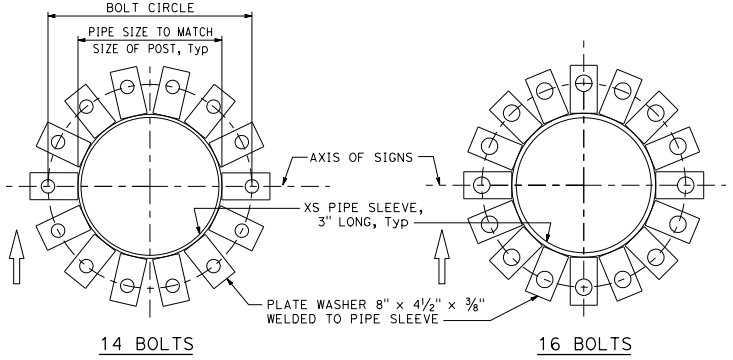
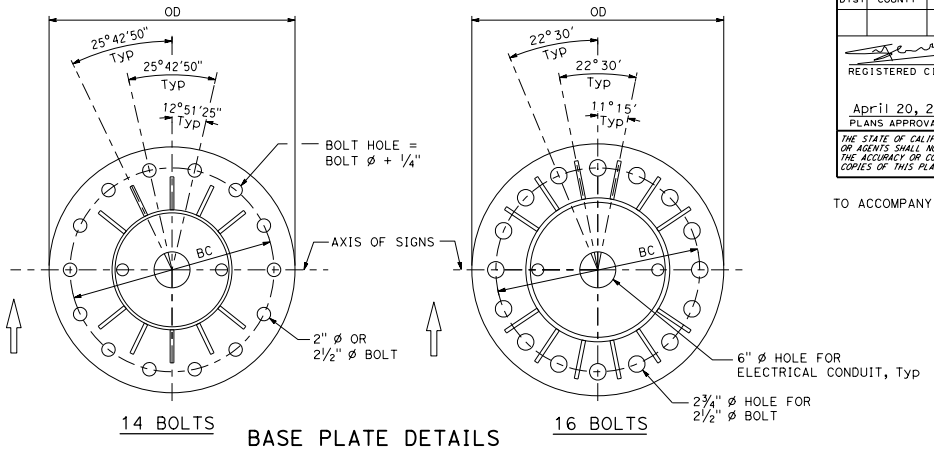
TO ACCOMPANY PLANS DATED _____



ANCHOR BOLT TEMPLATE

Template to match base plate anchor bolt pattern (Option: Template similar to ring plate type can be used in lieu of plate washer type).



BASE PLATE DETAILS
SINGLE AND TWO POST TYPE

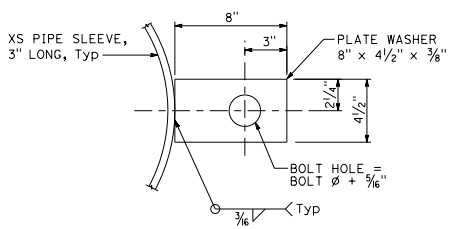
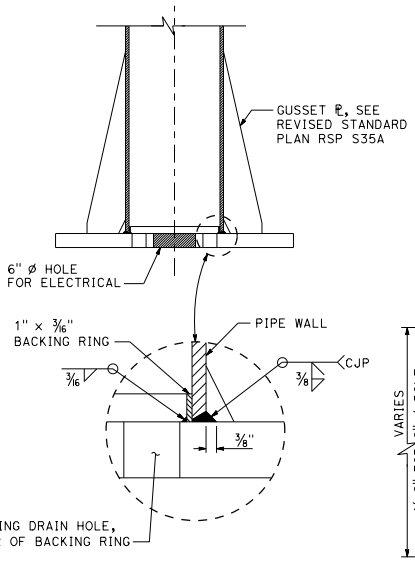
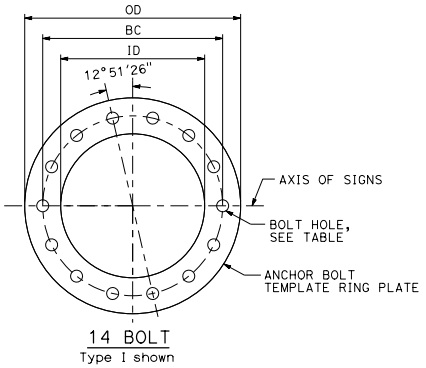


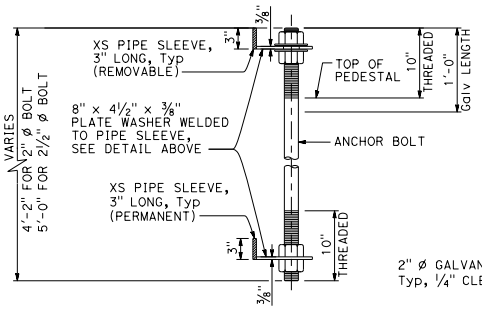
PLATE WASHER DETAIL FOR
14 AND 16 BOLT TEMPLATE PATTERN





SINGLE POST AND TWO POST TUBULAR					
POST TYPE	PIPE		BASE PL OD AND THICKNESS	ANCHOR BOLTS	
	NPS	THICKNESS		BOLT CIRCLE Dia	BOLT TOTALS AND BOLT Dia
I	20	½"	3'-1" x 2½"	2'-6"	14 - 2"
II	24	½"	3'-6" x 2½"	2'-10"	14 - 2½"
III	24	⅝"	3'-6" x 2½"	2'-10"	14 - 2½"
IV	30	½"	4'-0" x 2½"	3'-4"	16 - 2½"
V	30	⅝"	4'-0" x 2½"	3'-4"	16 - 2½"
VI	30	¾"	4'-0" x 3"	3'-4"	16 - 2½"

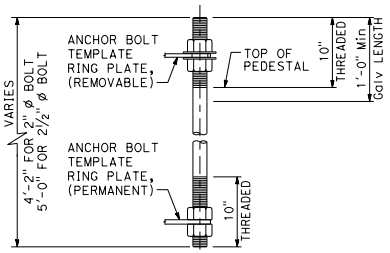
RING DIMENSIONS			
TYPE DIMENSIONS	POST TYPE No.		
	I	II TO III	IV TO VI
OD	2'-9"	3'-2"	3'-10"
ID	2'-3"	2'-6"	2'-10"
BC	2'-6"	2'-10"	3'-4"
HOLE Dia	2⅛" Max	2⅝" Max	2⅝" Max
PERMANENT TEMPLATE THICKNESS	⅝"	¾"	¾"
TEMPORARY TEMPLATE THICKNESS	½"	½"	1½"



ANCHOR BOLT TEMPLATE ASSEMBLY
PLATE WASHER TYPE

NOTE:
One bolt shown only. Other bolts same configuration around pipe sleeve.

POST TO BASE PLATE
CONNECTION DETAIL



ANCHOR BOLT TEMPLATE
RING PLATE TYPE

NOTE:
One bolt shown only. Other bolts same configuration around ring plate.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TUBULAR
SINGLE POST AND TWO POST TYPE
BASE PLATE AND ANCHORAGE DETAILS

NO SCALE

RSP S35 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S35
DATED SEPTEMBER 19, 2025 - PAGE 480 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S35

05-22-25

2025 REVISED STANDARD PLAN RSP S35

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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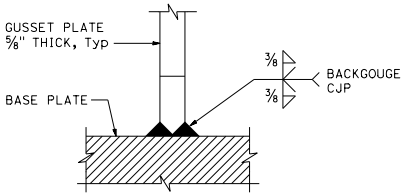
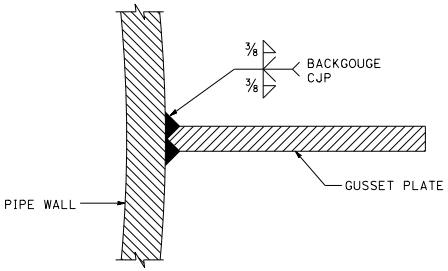
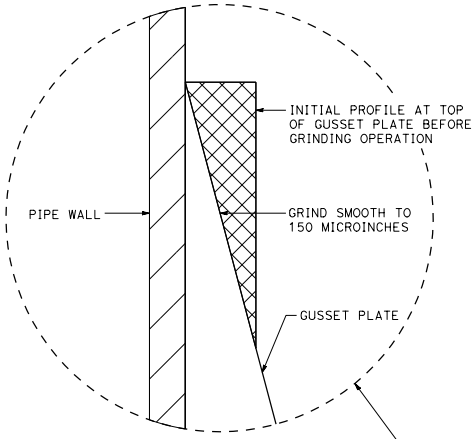
TO ACCOMPANY PLANS DATED _____



SECTION A-A



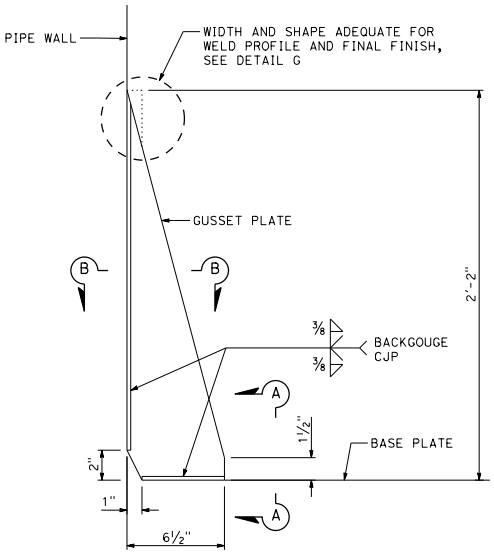
SECTION B-B



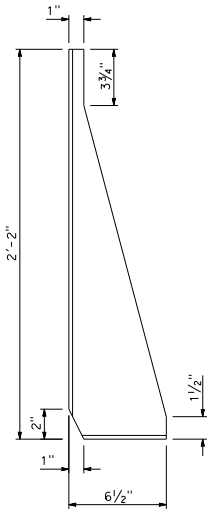
DETAIL G

NOTES:

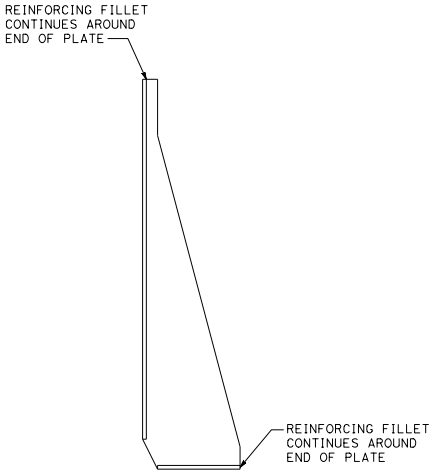
1. All gussets to be same height.
2. Provide a smooth transition from gusset plate to tube.



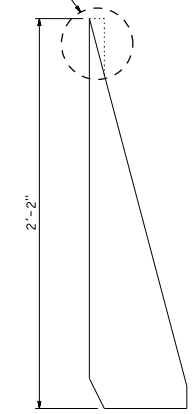
WELD DETAILS



GUSSET PLATE
Initial Shape



GUSSET PLATE WELDING
See Weld Details



GUSSET PLATE GRINDING
See Detail G

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-TUBULAR
GUSSET PLATE DETAILS

NO SCALE

RSP S35A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S35A
DATED SEPTEMBER 19, 2025 - PAGE 481 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S35A

2025 REVISED STANDARD PLAN RSP S35A

7-14-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

Mahesh Shrestha
No. C80133
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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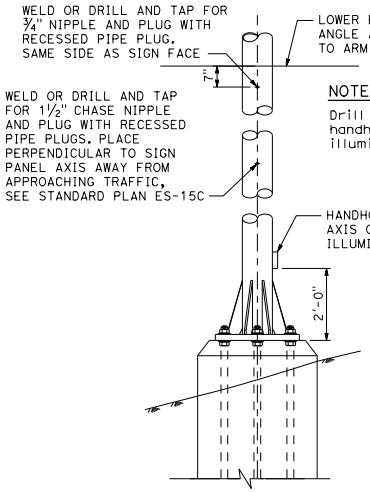
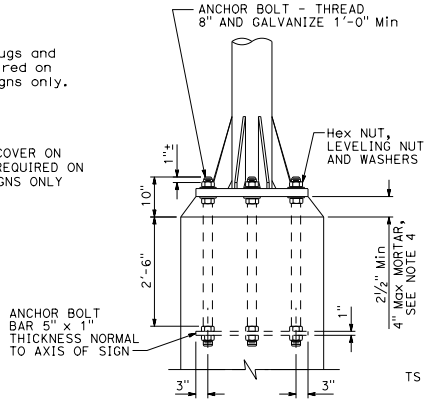
TO ACCOMPANY PLANS DATED _____



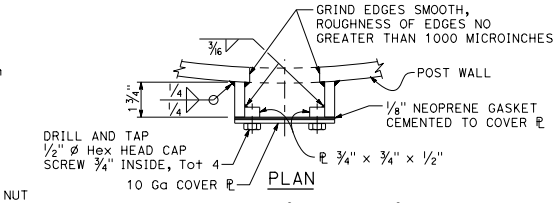
ELEVATION

NOTE:

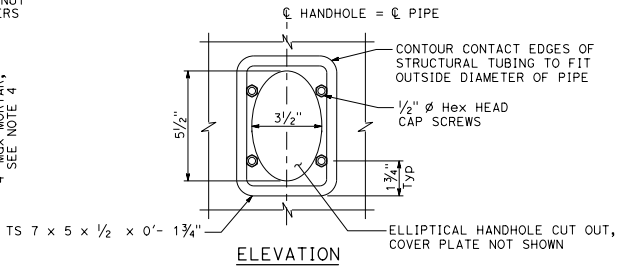
Drill holes, plugs and handhole required on illuminated signs only.



ANCHORAGE BOLT



PLAN



ELEVATION

TYPICAL DETAILS OF HANDHOLE AND COVER

GENERAL NOTES:

DESIGN: 70 mph (fastest mile)

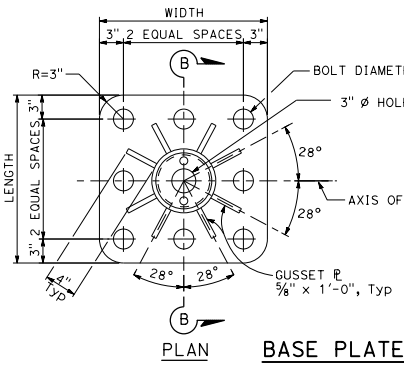
WELDING: All welding continuous unless otherwise noted on the plans. All welding to be done in accordance with the Standard Specifications.

NOTES:

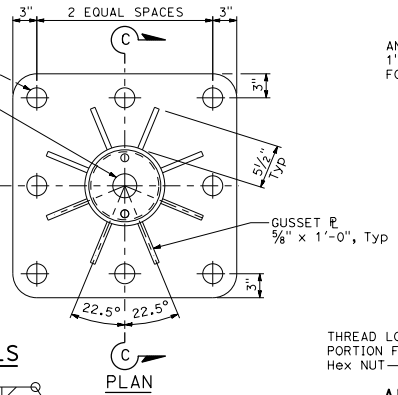
1. Footing shall be placed with long dimensions normal to axis of sign.
2. On single post signs the post shall be raked out of plumb with the use of leveling nuts to make the bottom of the sign panel level.
3. 2½" ø anchor bolts may be substituted for 2¼" ø bolts.
4. For drain holes and central void in mortar, see Standard Plan ES-6B Detail N.

POST		BASE PLATE	ANCHOR BOLTS
NPS	"t"		BOLT TOTALS AND Dia OF BOLT
6	9/32"	2" x 1'-9" x 1'-9"	8 - 2"
6	7/16"	2" x 1'-9" x 1'-9"	8 - 2"
8	5/16"	2" x 1'-9" x 1'-9"	8 - 2"
8	½"	2" x 1'-9" x 1'-9"	8 - 2"
10	½"	2" x 2'-4" x 2'-4"	8 - 2¼"
12	½"	2" x 2'-4" x 2'-4"	8 - 2¼"
14	½"	2" x 2'-4" x 2'-4"	8 - 2¼"
14	¾"	2" x 2'-4" x 2'-4"	8 - 2¼"

"t" = Wall Thickness

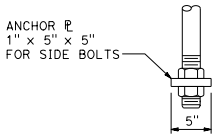


PLAN

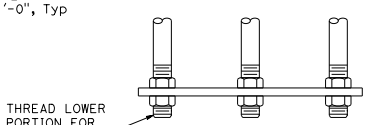


PLAN

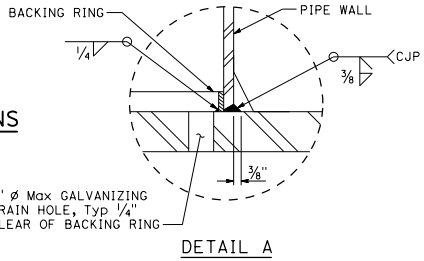
BASE PLATE DETAILS



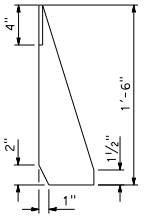
ANCHORAGE SIDE BOLT
Axis of Sign



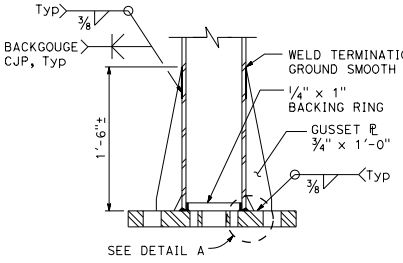
ANCHOR BOLT BAR CONNECTIONS



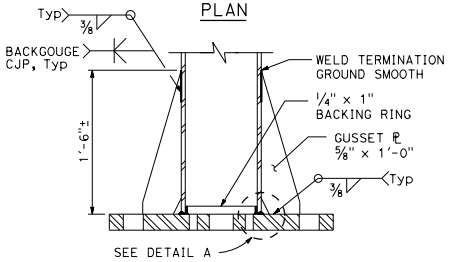
DETAIL A



GUSSET PLATE

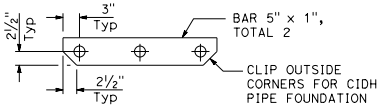


SECTION B-B
6 NPS THRU 8 NPS POSTS



SECTION C-C
10 NPS THRU 14 NPS POSTS

POST TO BASE PLATE CONNECTION DETAILS



PLAN

ANCHOR BOLT BAR DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-LIGHTWEIGHT POST DETAILS

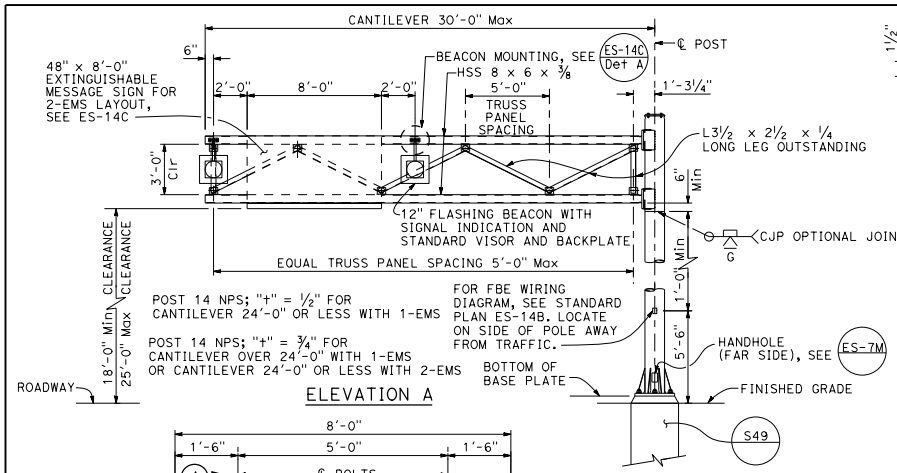
NO SCALE

RSP S48 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S48
DATED SEPTEMBER 19, 2025 - PAGE 485 OF THE STANDARD PLANS BOOK DATED 2025.

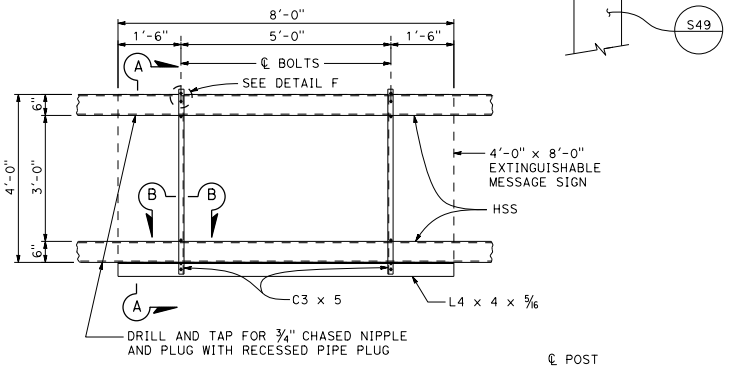
REVISED STANDARD PLAN RSP S48

5-22-25

2025 REVISED STANDARD PLAN RSP S48

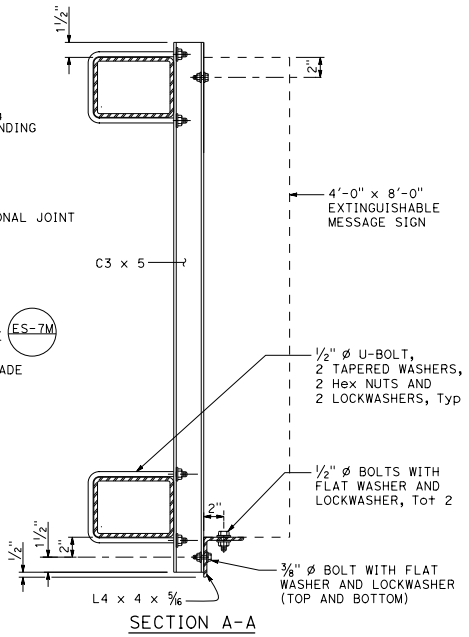


ELEVATION A

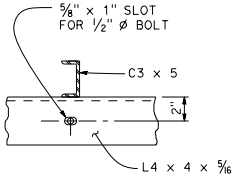


SIGN MOUNTING

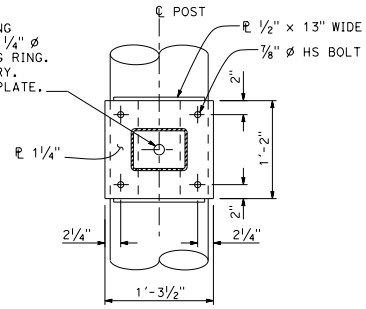
DETAIL H



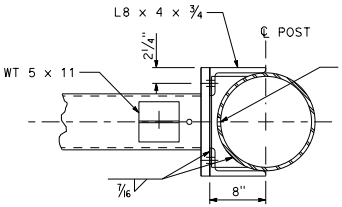
SECTION A-A



SECTION B-B

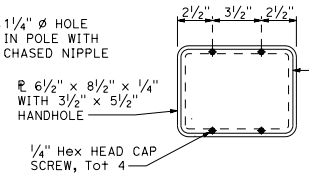


SECTION C-C



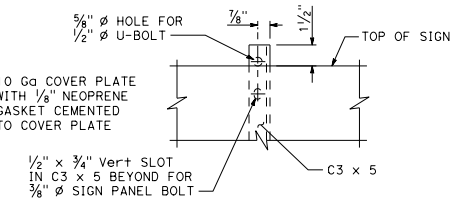
SECTION D-D

Other steel not shown for clarity

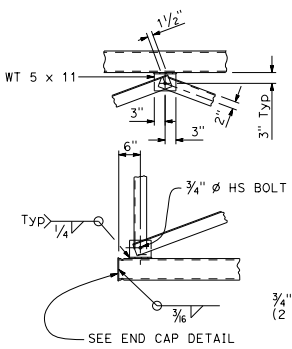


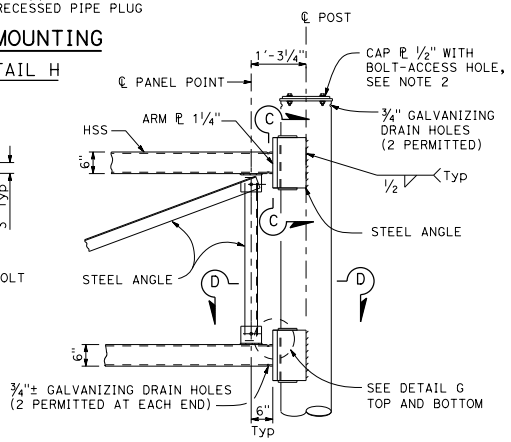
DETAIL D

END CAP



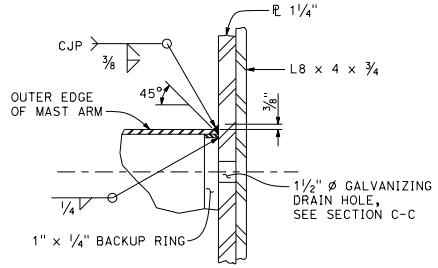
DETAIL F





TRUSS FRAME CONNECTION

DETAIL I



DETAIL G

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Mahesh Shrestha — No. C80133 — Exp. 9-30-26 — CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

NOTES:

1. For sign structure dimensions, see Project Plans.
2. For bolt-access hole details, see Standard Plan S113.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-LIGHTWEIGHT EXTINGUISHABLE MESSAGE SIGN AND FLASHING BEACONS

NO SCALE

RSP S50 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S50
DATED SEPTEMBER 19, 2025 - PAGE 487 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S50

2025 REVISED STANDARD PLAN RSP S50

12-10-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Mario Lozano
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mario Lozano-Cisneros
No. C94626
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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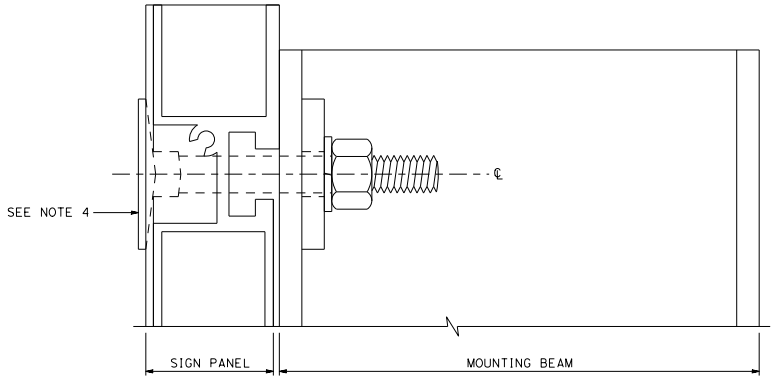
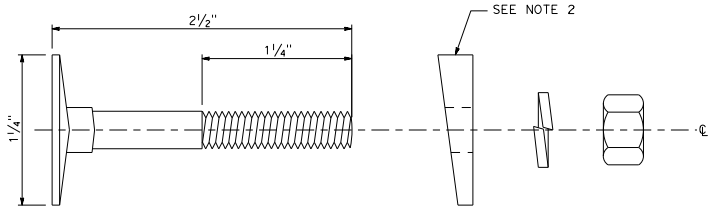
TO ACCOMPANY PLANS DATED _____



SIDE VIEW



MOUNTING HARDWARE

NOTES:

1. Refer to applicable Standard Plan for additional mounting details.
2. Beveled washer for tapered flange only.
3. Elevator head bolt, hexagon nut, and lock washer shall be ⅝" diameter (18-8) stainless steel.
4. Furnish retroflective stick-ons for bolt head in same color as sign. Apply during installation.
5. One unit of Type A-2 hardware shall consist of one each; bolt, nut, lock washer and beveled washer. Quantity listed includes 1 spare unit. Quantity listed assumes panel overhangs of 1'-9" and maximum bracket spacing of 5'-6". For other layouts, more units may be required.
6. Signs 9'-2" and 10'-0" in depth may be fabricated in three panel sections to avoid legend from being placed on a horizontal seam. Increase number of units of mounting hardware accordingly.

TYPE A-2 HARDWARE QUANTITY TABLE (STANDARD TUBULAR)

SIGN LENGTH	SIGN DEPTH SEE NOTE 6	UNITS REQUIRED SEE NOTE 5
14'-0" OR LESS	4'-2" TO 5'-0"	7
15'-0" TO 20'-0"	4'-2" TO 5'-0"	9
21'-0" TO 24'-0"	4'-2" TO 5'-0"	11
14'-0" OR LESS	5'-10" TO 10'-0"	13
15'-0" TO 20'-0"	5'-10" TO 10'-0"	17
21'-0" TO 24'-0"	5'-10" TO 10'-0"	21

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TYPE A-2 MOUNTING HARDWARE FOR OVERHEAD LAMINATED TYPE A PANEL (BRIDGE MOUNTED AND TUBULAR SIGN STRUCTURES)

NO SCALE

RSP S88 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S88
DATED SEPTEMBER 19, 2025 - PAGE 495 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S88

7-30-25

2025 REVISED STANDARD PLAN PSP S88

INSTRUCTIONS TO FABRICATOR

PROJECT PLANS SHOW:

1. Sign structure location.
2. Length of structure frame.
3. Panel size and locations on structure.
4. Walkway length for two post signs.
5. Post type and height to bottom of frame.
6. Base plate elevation.
7. Pedestal height and shape, if applicable.
8. Location of pile foundation.
9. Photoelectric unit location if required.

REFER TO THE FOLLOWING STANDARD PLANS FOR DETAILS NOT SHOWN ON PROJECT PLANS:

SHEET No.	SHEET NAME
RSP S100	Overhead Signs-Versatile Truss, One and Two Post Type
ONE POST TYPE SHEETS	
S101	Overhead Signs-Versatile Truss, One Post Type, Truss Layout
S102	Overhead Signs-Versatile Truss, One Post Type, Steel Post Type and Truss Member Table
S103	Overhead Signs-Versatile Truss, One Post Type, Steel Post Base Plate and Anchorage Details
S104	Overhead Signs-Versatile Truss, One Post Type, CIDH Pile Foundation Details
S105	Overhead Signs-Versatile Truss, One Post Type, Concrete Pedestal with CIDH Pile Foundation Details
TWO POST TYPE SHEETS	
S106	Overhead Signs-Versatile Truss, Two Post Type, Truss Layout
S107	Overhead Signs-Versatile Truss, Two Post Type, Steel Post Type and Truss Member Table
RSP S108	Overhead Signs-Versatile Truss, Two Post Type, Steel Post Base Plate and Anchorage Details
S109	Overhead Signs-Versatile Truss, Two Post Type, CIDH Pile Foundation Details
S110	Overhead Signs-Versatile Truss, Two Post Type, Concrete Pedestal with CIDH Pile Foundation Details
COMMOM ELEMENTS SHEETS	
S111	Overhead Signs-Versatile Truss, Truss Connection Details
S112	Overhead Signs-Versatile Truss, Chord Splice Details
S113	Overhead Signs-Versatile Truss, Truss To Steel Post Connection Details
S114	Overhead Signs-Versatile Truss, CIDH Pile Foundation with Inspection Pipes
S115	Overhead Signs-Versatile Truss, Walkway Details No. 1
S116	Overhead Signs-Versatile Truss, Walkway Details No. 2
S117	Overhead Signs-Versatile Truss, Walkway Details No. 3
S118	Overhead Signs-Versatile Truss, Walkway Safety Railing Details
S119	Overhead Signs-Versatile Truss, Sign Mounting Details Laminated Panel-Type A
S120	Overhead Signs-Versatile Truss, Removable Sign Panel Frames Details No. 1
S121	Overhead Signs-Versatile Truss, Removable Sign Panel Frames Details No. 2
S122	Overhead Signs-Versatile Truss, Exit Plaque Mounting Details
S123	Overhead Signs-Versatile Truss, CMS Mounting Details
S123B	Overhead Signs-Versatile Truss, Additional Details for CMS
S124	Overhead Signs-Versatile Truss, EMS and Flashing Beacon Details

DESIGN NOTES:

WIND LOADING:
Wind loading per AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals, 6th Edition, 2013 with 2015 interim revisions.

Design wind speed (V) = 100 mph
Importance factor (Ir) = 1.0
Velocity conversion factor (Cv) = 1.0
Height and exposure factor (Kz) = 1.18
Gust effect factor (G) = 1.14

WALKWAY LOADING:
Dead load plus 500 lb concentrated live load.

CMS LOADING:

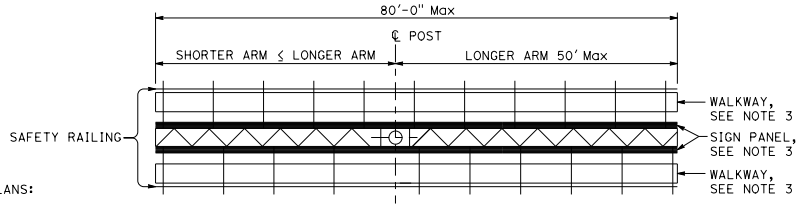
CMS Load Case	Max Size (W x H x D)	Max Weight (lb)	Max Ave Weight Per Unit Length
Case 1	310" x 90" x 18"	2400	100 lb/ft
Case 2	175" x 60" x 16"	2000	140 lb/ft

MATERIALS & UNIT STRESSES:

Structural Steel:	Fy = 50 ksi
Steel Posts:	Dia ≤ 24" Fy = 35 ksi
	Dia > 24" Fy = 50 ksi
Base Plates:	Fy = 50 ksi
Anchor Bolts:	Fy = 55 ksi
Reinforced Concrete:	fy = 60 ksi
	f'c = 4 ksi

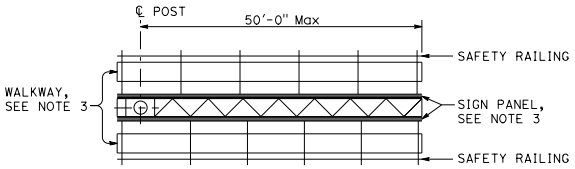
SOIL PARAMETERS FOR CIDH FOUNDATION:
Minimum Soil Shear Strength: 1.5 ksf (cohesive soils)
Minimum Soil Friction Angle: 30° (non-cohesive soils)
Minimum Unit weight of soil: 120 pcf (non-cohesive soils)

MINIMUM CLEARANCE:
Vertical roadway clearance 18'-6" (bottom of frame/sign/CMS/walkway)



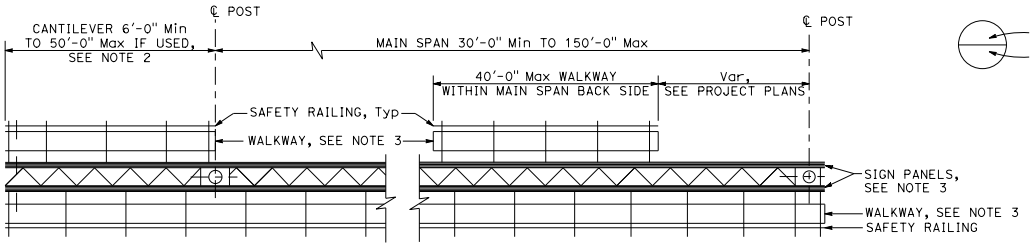
PLAN

UNBALANCED ONE POST TYPE MAXIMUM COVERAGE



PLAN

CANTILEVER ONE POST TYPE MAXIMUM COVERAGE

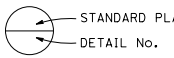


PLAN

TWO POST TYPE WITH CANTILEVER MAXIMUM COVERAGE

NOTES:

1. Signs are shown and dimensioned looking in the direction of traffic. Double faced signs are shown and dimensioned looking ahead along stationing.
2. For Two Post Type, maximum cantilever length ≤ main span length/3.
3. For cantilever lengths ≤ 40'-0", sign panels and walkways may be placed on both sides of truss. For cantilever lengths > 40'-0" and ≤ 50'-0", sign panels and walkways may only be placed on one side of truss.
4. A single Changeable Message Sign may be placed anywhere on the truss. CMS and static sign panels may be placed on the same truss.
5. Refer to Standard Plan S123 for CMS mounting details.
6. Place walkway and safety railing on truss only when called out on the project plans. When required, walkway to be continuous for entire length of frame for one post signs. For two post signs, see Project Plans. Safety railing to run the entire length of walkway.
7. Thread locking nuts or locking washers shall be used for all connections, unless noted otherwise.
8. All high strength bolts are to be snug tightened unless otherwise noted on the plans.
9. All welds are continuous unless otherwise noted on the plans.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Mahesh Shrestha — No. C80133 — Exp. 9-30-26 CIVIL — STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED _____

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-VERSATILE TRUSS ONE AND TWO POST TYPE

NO SCALE

RSP S100 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S100 DATED SEPTEMBER 19, 2025 - PAGE 503 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S100

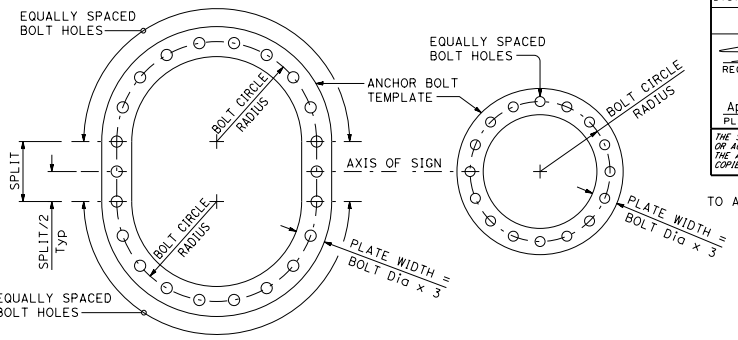
12-10-25

2025 REVISED STANDARD PLAN RSP S100

BASE PLATE AND ANCHOR BOLT DIMENSIONS

POST TYPE	BASE PLATE				ANCHOR BOLTS				
	PLATE THICKNESS	PLATE RADIUS	SPLIT	OPENING RADIUS	NUMBER OF BOLTS	BOLT DIAMETER	BOLT LENGTH	BOLT HOLE DIAMETER	BOLT CIRCLE RADIUS
2A	3½"	1'-3"	N/A	2½"	14	1½"	5'-0"	1¾"	1'-0"
2B	3½"	1'-4½"	N/A	3"	14	1¾"	5'-0"	2"	1'-1"
2C	3"	1'-5½"	N/A	3"	16	1¾"	5'-0"	2"	1'-2"
2D	3½"	1'-6½"	N/A	3½"	16	1¾"	5'-0"	2"	1'-3"
2E	3"	1'-9"	N/A	3¾"	18	2"	5'-0"	2¼"	1'-5"
2F	3"	2'-0"	12"	4½"	22	2"	5'-0"	2¼"	1'-8"
2G	3½"	2'-0"	12"	4½"	22	2"	5'-0"	2¼"	1'-8"
2H	3½"	2'-4"	12"	5½"	24	2½"	5'-0"	2¾"	1'-11"

NOTE:
Thread locking nuts not required for anchor bolts.



TEMPLATE WITH SPLIT
22 Bolt base plate depicted, others similar

TEMPLATE WITHOUT SPLIT
16 Bolt base plate depicted, others similar

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
April 20, 2026
PLANS APPROVAL DATE
Mahesh Shrestha No. C80133 Exp. 9-30-26 CIVIL
REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA
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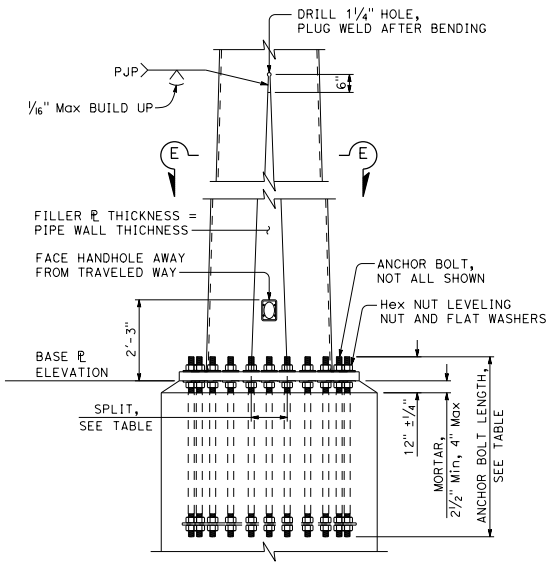
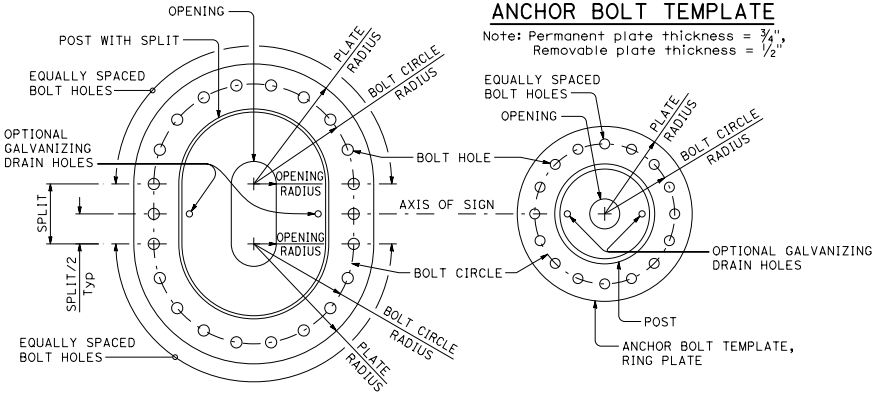
TO ACCOMPANY PLANS DATED _____



POST AND ANCHORAGE DETAIL



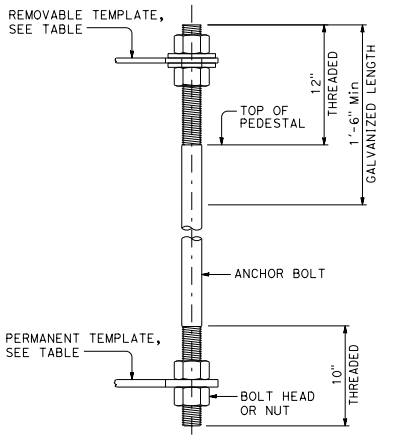
BASE PLATE WITH SPLIT
22 Bolt base plate depicted, others similar

BASE PLATE WITHOUT SPLIT
16 Bolt base plate depicted, others similar

ANCHOR BOLT TEMPLATE

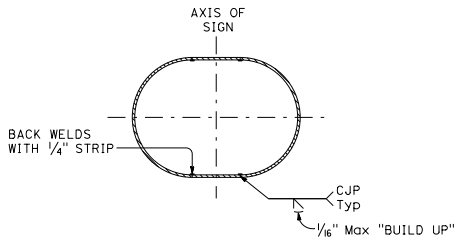
Note: Permanent plate thickness = ¾", Removable plate thickness = ½"

BASE PLATE DETAILS

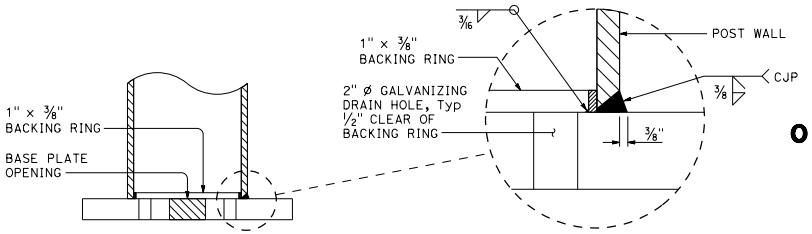


ANCHOR BOLT TEMPLATE ASSEMBLY

NOTE:
One bolt shown only. Other bolts same configuration around pipe sleeve. Template to match base plate anchor bolt pattern.



SECTION E-E



POST TO BASE PLATE CONNECTION DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGNS-VERSATILE TRUSS TWO POST TYPE STEEL POST BASE PLATE AND ANCHORAGE DETAILS

NO SCALE

RSP S108 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN S108
DATED SEPTEMBER 19, 2025 - PAGE 511 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP S108

2025 REVISED STANDARD PLAN RSP S108

5-22-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

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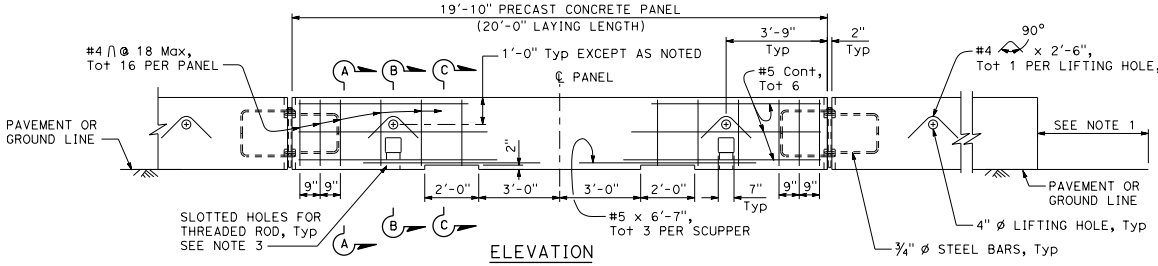
REGISTERED PROFESSIONAL ENGINEER — Malik Rehman — No. C83390 — Exp. 3-31-27 CIVIL — STATE OF CALIFORNIA

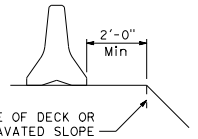
TO ACCOMPANY PLANS DATED _____



ELEVATION

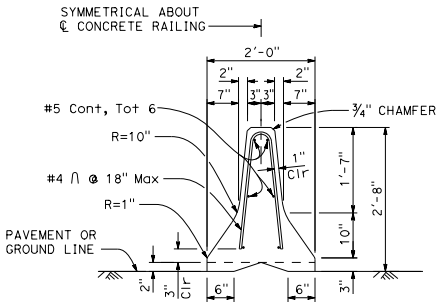
TYPICAL PANEL

Weight per panel: 3.9 tons

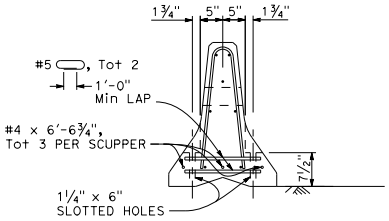


MINIMUM EDGE DISTANCE

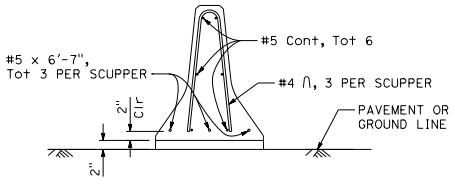
See Note 3



SECTION A-A



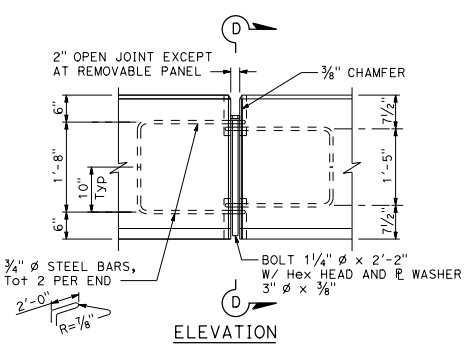
SECTION B-B



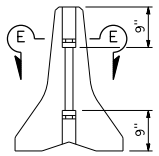
SECTION C-C

NOTES:

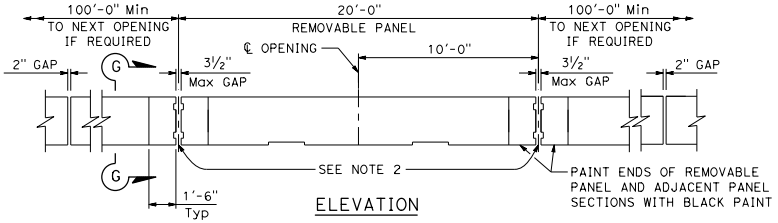
1. For end treatment, layout and crash cushions, where needed, see Project Plans or Special Provisions.
2. All 3½" gaps at removable panels are to be backed at the base with #8 x 10" dowel or 1" ø pin each side of joint, see Section G-G.
3. Where the offset distance from the exposed edge of deck to the closest edge of the temporary railing is less than 2'-0", attach each panel to deck slab with 1" diameter threaded rods (total four per panel) inserted through the slotted holes of the panel and bond in drilled holes 6" deep in the deck slabs. See Bridge Design Memo 13.1.



ELEVATION

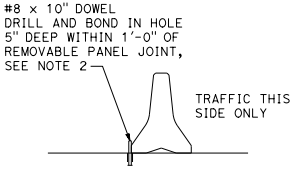


SECTION D-D



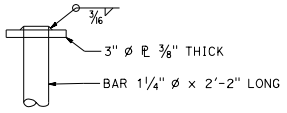
ELEVATION

TYPICAL OPENING DETAIL

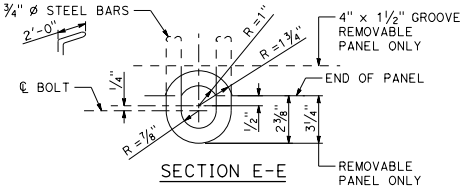


SECTION G-G *

* Section G-G is for concrete pavement. Alternative detail, 1" ø pins 2'-0" long driven in existing AC or HMA.

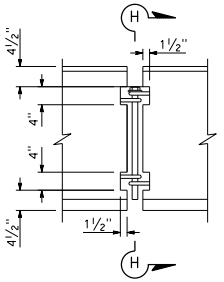


ALTERNATIVE HEAD DETAIL

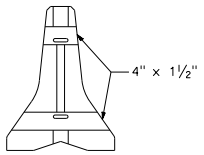


SECTION E-E

BOLT CONNECTION DETAILS



ELEVATION



SECTION H-H

REMOVABLE PANEL GROOVE DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

RSP T3A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T3A
DATED SEPTEMBER 19, 2025 - PAGE 312 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T3A

2025 REVISED STANDARD PLAN RSP T3A

8-19-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Malik Rehman
No. C83390
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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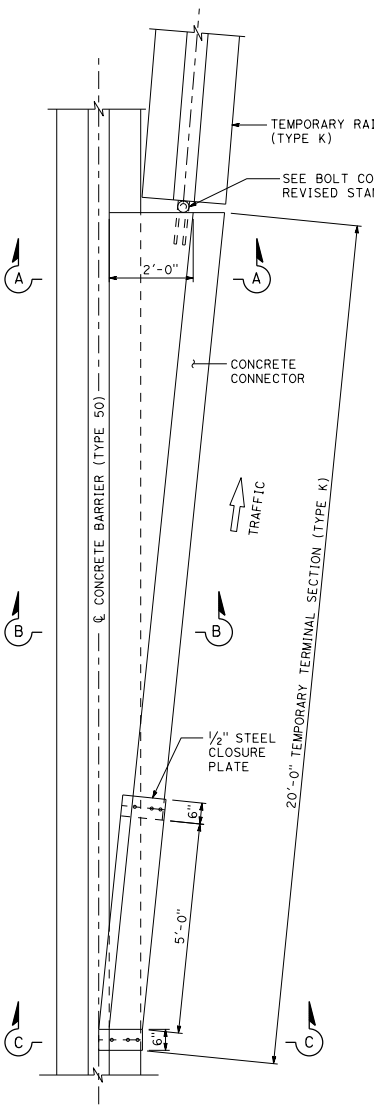
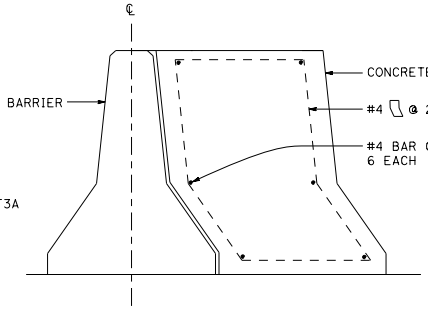
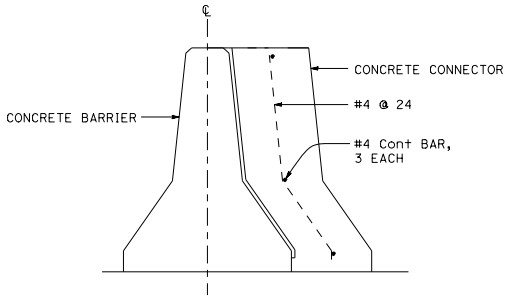


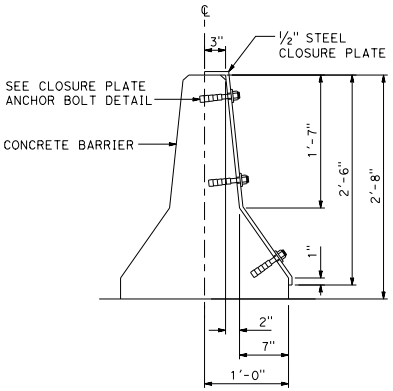
PLAN



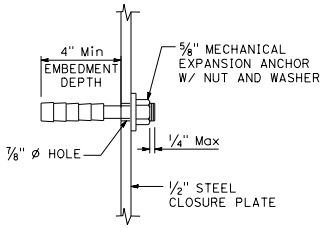
SECTION A-A



SECTION B-B



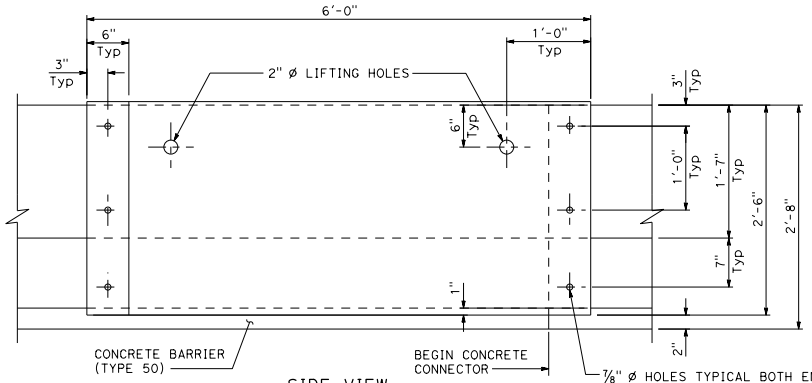
SECTION C-C



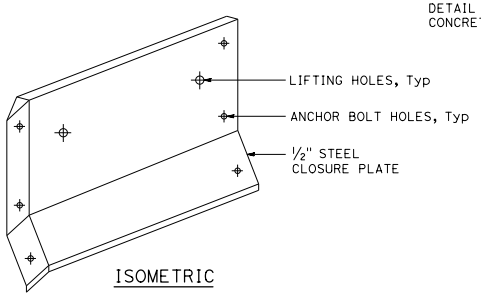
CLOSURE PLATE ANCHOR BOLT DETAIL

NOTE:

1. If lifting holes are used with the concrete connector, they shall conform to the lifting hole details shown on Revised Standard Plan RSP T3A.



SIDE VIEW



ISOMETRIC

CLOSURE PLATE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY TERMINAL SECTION (TYPE K)

NO SCALE

RSP T5 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T5
DATED SEPTEMBER 19, 2025 - PAGE 324 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T5

2025 REVISED STANDARD PLAN RSP T5

8-25-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

M. Mike S
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mike Maivy
No. C83437
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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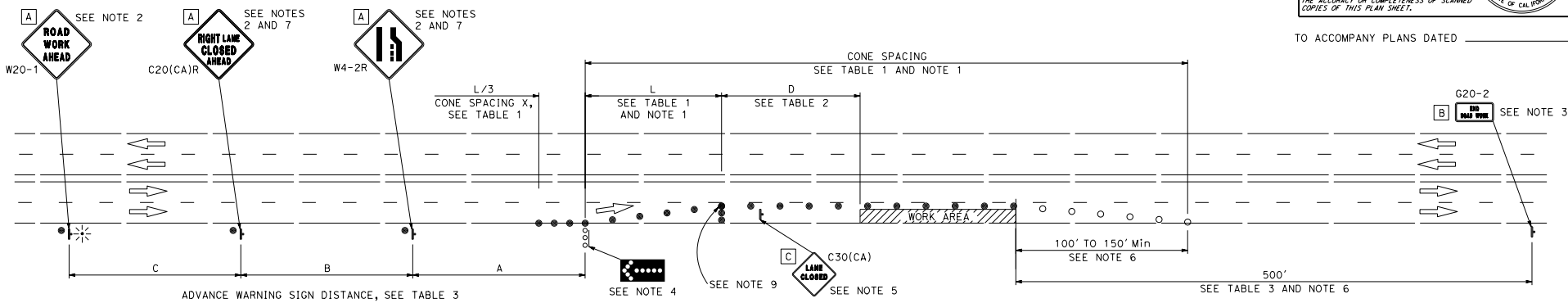
TO ACCOMPANY PLANS DATED _____



TYPICAL LANE CLOSURE

NOTES:

1. Portable delineators may be placed at one-half the spacing described for traffic cones, for daytime closures only.
2. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the locations shown for lane closure during hours of darkness.
3. Place a G20-2 "END ROAD WORK" sign at the end of the lane closure unless the end of work area is obvious or ends within the limits of a larger project.
4. Provide a minimum 1500' sight distance for vehicles approaching the first flashing arrow sign, where feasible. Do not begin lane closures at the crest of vertical curves and horizontal curves.
5. Place C30(CA) "LANE CLOSED" sign at 500-foot to 1000-foot intervals throughout the work area.
6. The Engineer may authorize a reduced length to address site conditions.
7. Place median lane closures as shown except, use signs C20(CA)L and W4-2L.
8. For approach speeds over 50 MPH, use the "Traffic Control System for Lane Closure on Freeways and Expressways".
9. Place a minimum of 3 cones transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 1000' as shown. Two Type II barricades may be used instead of the 3 cones. The cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work area.

NOTES:

See Standard Plan T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Provide at least one person to continuously maintain traffic control devices for lane closures.

LEGEND:

- FAS SUPPORT OR TRAILER
- FLASHING ARROW SIGN (FAS)
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)

SIGN PANEL SIZE (Min)	
A	48" x 48"
B	36" x 18"
C	30" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T11 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T11
DATED SEPTEMBER 19, 2025 - PAGE 328 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T11

2025 REVISED STANDARD PLAN RSP T11

12-19-25

LEGEND:

- FAS SUPPORT OR TRAILER
- FLASHING ARROW SIGN (FAS)
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE

SIGN PANEL SIZE (Min)	
A	48" x 48"
B	24" x 24"
C	36" x 18"

NOTES:

See Standard Plan T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Provide at least one person to continuously maintain traffic control devices for lane closures.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

M. Mike Malyy
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mike Malyy
No. C83437
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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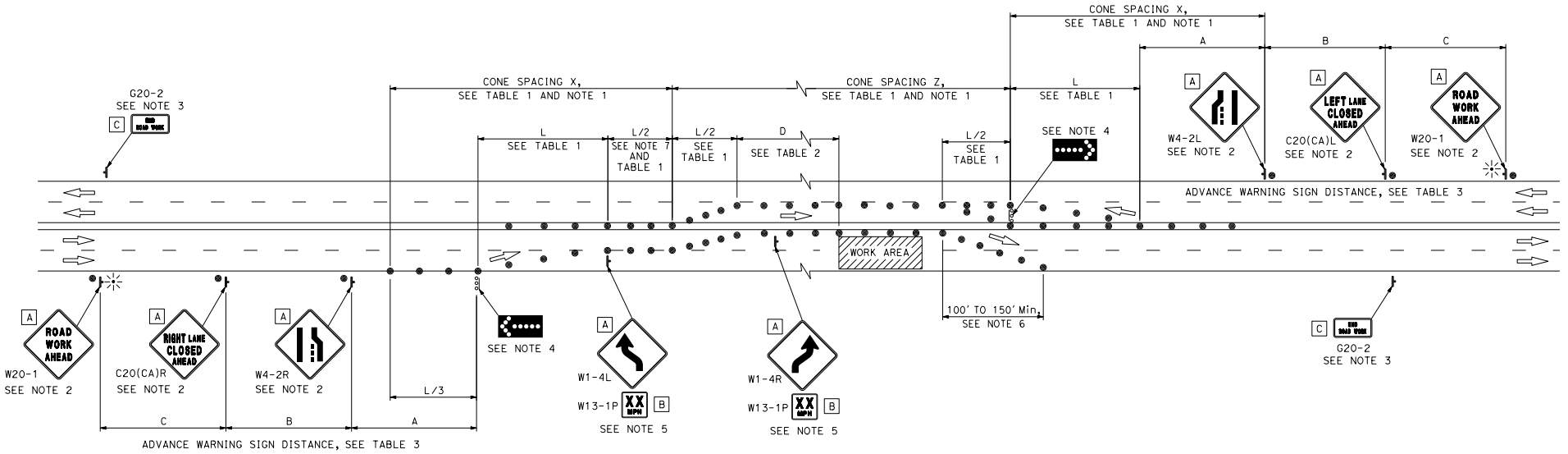
TO ACCOMPANY PLANS DATED _____



TYPICAL HALF-ROAD CLOSURE

NOTES:

1. Portable delineators placed at one-half the spacing indicated for traffic cones, for daytime closures only.
2. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the locations shown for lane closure during hours of darkness.
3. Place a G20-2 "END ROAD WORK" sign at the end of the lane closure unless the end of work area is obvious or ends within the limits of a larger project.
4. Provide a minimum 1500' sight distance for vehicles approaching the first flashing arrow sign, where feasible. Do not begin lane closures at the crest of vertical curves and horizontal curves.
5. Advisory speed will be determined by the Engineer. The W13-1P Plaque will not be required when advisory speed is more than the posted or maximum speed limit.
6. The Engineer may authorize a reduced length to address site conditions.
7. Use tangent (L/2).

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR HALF ROAD CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS AND EXPRESSWAYS

NO SCALE

RSP T12 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T12
DATED SEPTEMBER 19, 2025 - PAGE 330 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T12

2025 REVISED STANDARD PLAN RSP T12

12-12-25

LEGEND:

- AUTOMATED FLAGGING ASSISTANCE DEVICE (AFAD)
- FLAGGER
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE

SIGN PANEL SIZE (Min)	
A	48" x 48"
B	30" x 30"
C	36" x 18"
D	36" x 42"
E	20" x 7"

NOTES:

See Standard Plan T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Provide at least one person to continuously maintain traffic control devices for lane closures.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

M. Mark S
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mike Malyy
No. C83437
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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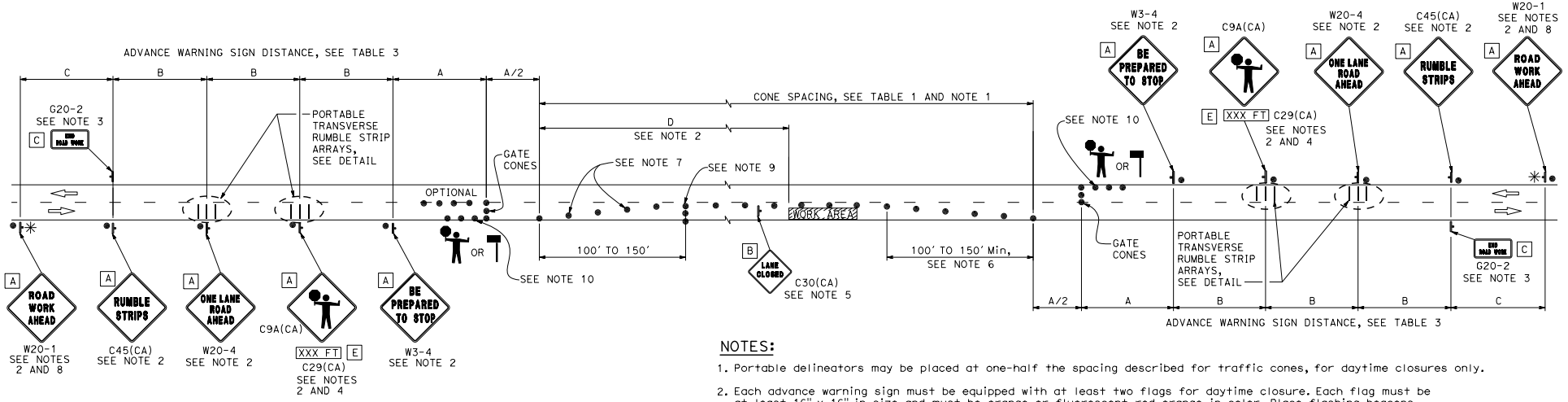
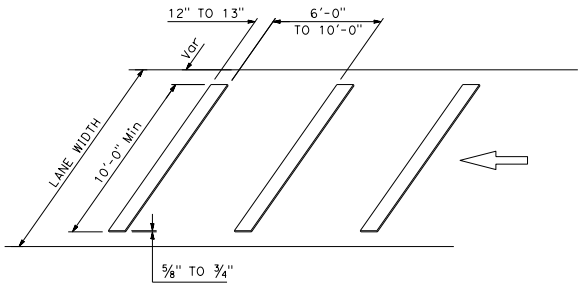
TO ACCOMPANY PLANS DATED _____



NOTES:

1. Portable delineators may be placed at one-half the spacing described for traffic cones, for daytime closures only.
2. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the locations shown for lane closure during hours of darkness.
3. Place a G20-2 "END ROAD WORK" sign at the end of the lane closure unless the end of work area is obvious or ends within the limits of a larger projects.
4. An optional C29(CA) sign may be placed below the C9A(CA) sign.
5. Place C30(CA) "LANE CLOSED" sign at 500-foot to 1000-foot intervals throughout the work area. C30(CA) signs are optional if the work area is visible from the flagger station.
6. The Engineer may authorize a reduced length to address site conditions.
7. Place either traffic cones or barricades on the taper. Barricades must be Type I, II, or III.
8. If C45(CA) is not used, measure distance C from W20-4.
9. Place a minimum of 3 cones transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 1000' as shown. Two Type II barricades may be used instead of the 3 cones. The cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work area.
10. Place a minimum of 4 cones at 50-foot spacing in advance of flagger station.



PORTABLE TRANSVERSE RUMBLE STRIP ARRAY DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM WITH REVERSIBLE CONTROL ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T13
DATED SEPTEMBER 19, 2025 - PAGE 331 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T13

2025 REVISED STANDARD PLAN RSP T13

12-22-25

SIGN PANEL SIZE (Min)	
A	48" x 48"

LEGEND:

- FLAGGER
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE
- TRAILER

NOTES:

1. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the locations shown for lane closure during hours of darkness.
2. See Standard Plan T9, Table 3 for advanced warning sign spacing.
3. If distance E is 1000' or more, place SW60(CA) sign as shown. Place a SW60(CA) sign for every additional 1000' at 1000-foot intervals.
4. Place a minimum of 4 cones at 50-foot spacing in advance of flagger station.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Mike Malyy — No. C83437 — Exp. 3-31-27 CIVIL — STATE OF CALIFORNIA

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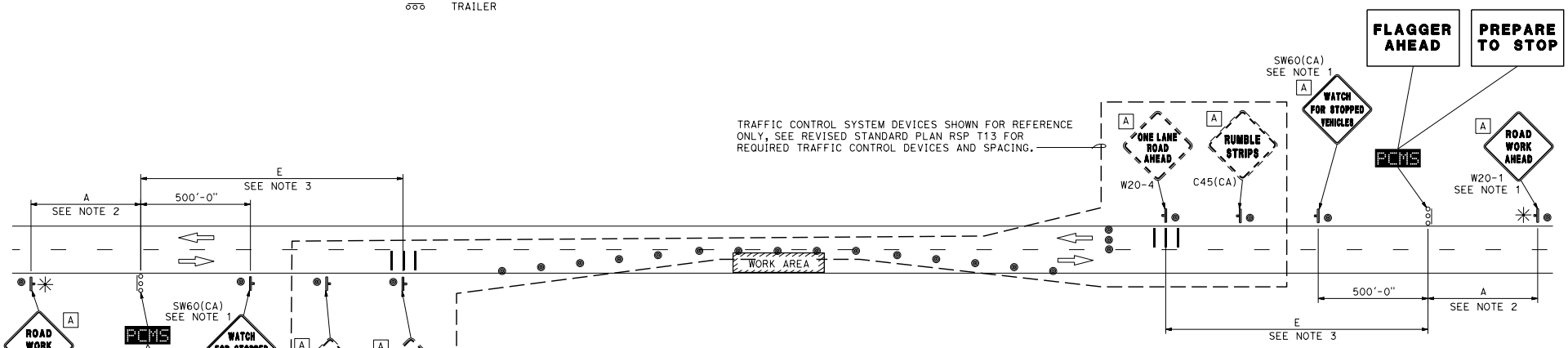
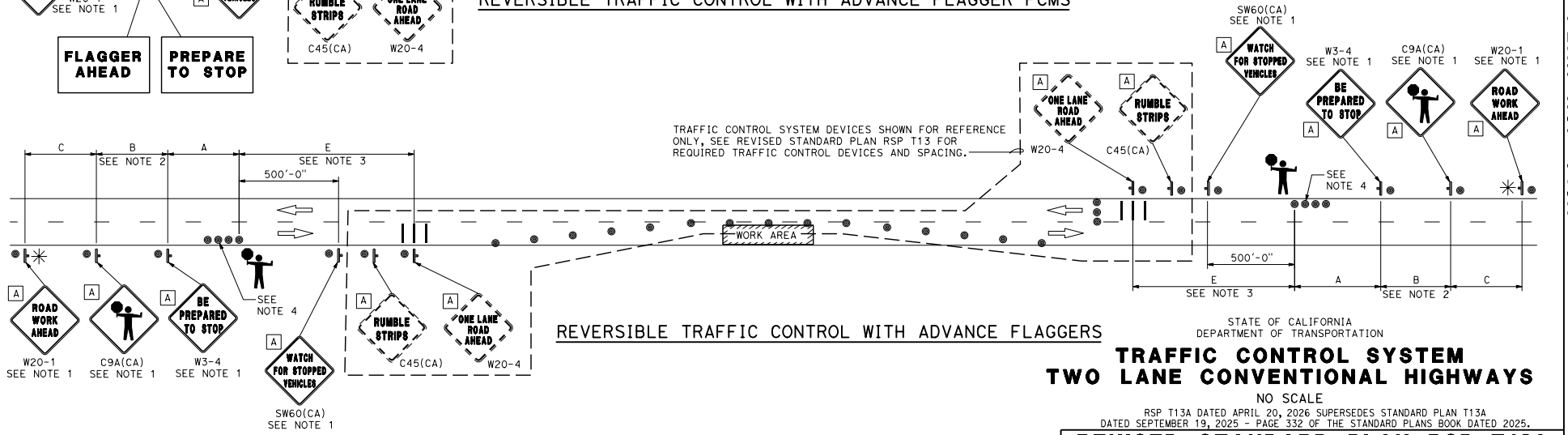
TO ACCOMPANY PLANS DATED _____



REVERSIBLE TRAFFIC CONTROL WITH ADVANCE FLAGGER PCMS



REVERSIBLE TRAFFIC CONTROL WITH ADVANCE FLAGGERS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13A DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T13A
DATED SEPTEMBER 19, 2025 - PAGE 332 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T13A

2025 REVISED STANDARD PLAN RSP T13A

12-22-25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

M. Mark S
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

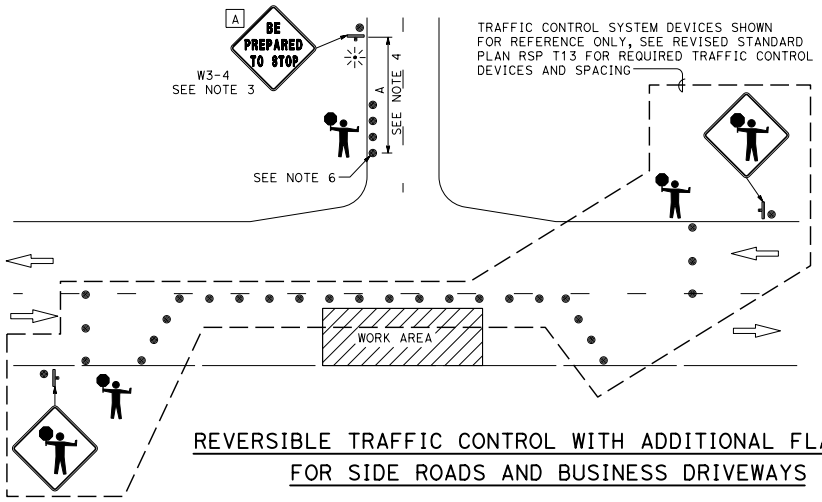
REGISTERED PROFESSIONAL ENGINEER
Mike Malyy
No. C83437
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED _____

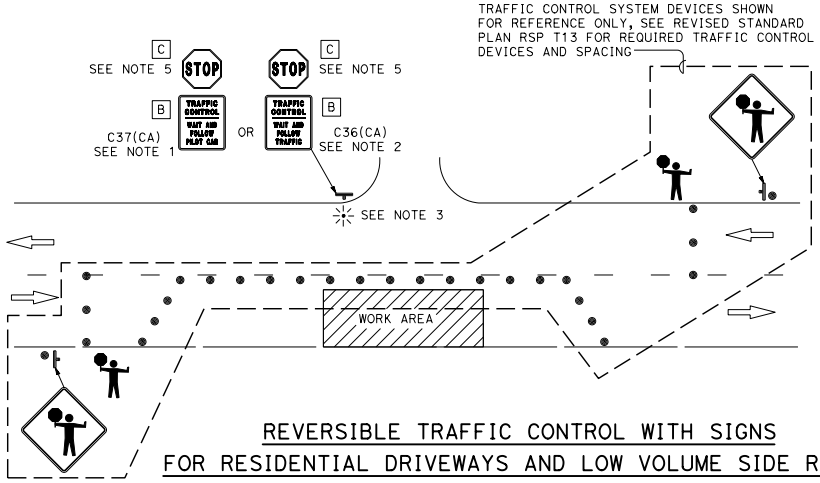
SIGN PANEL SIZE (Min)	
A	48" x 48"
B	36" x 42"
C	30" x 30"

LEGEND:

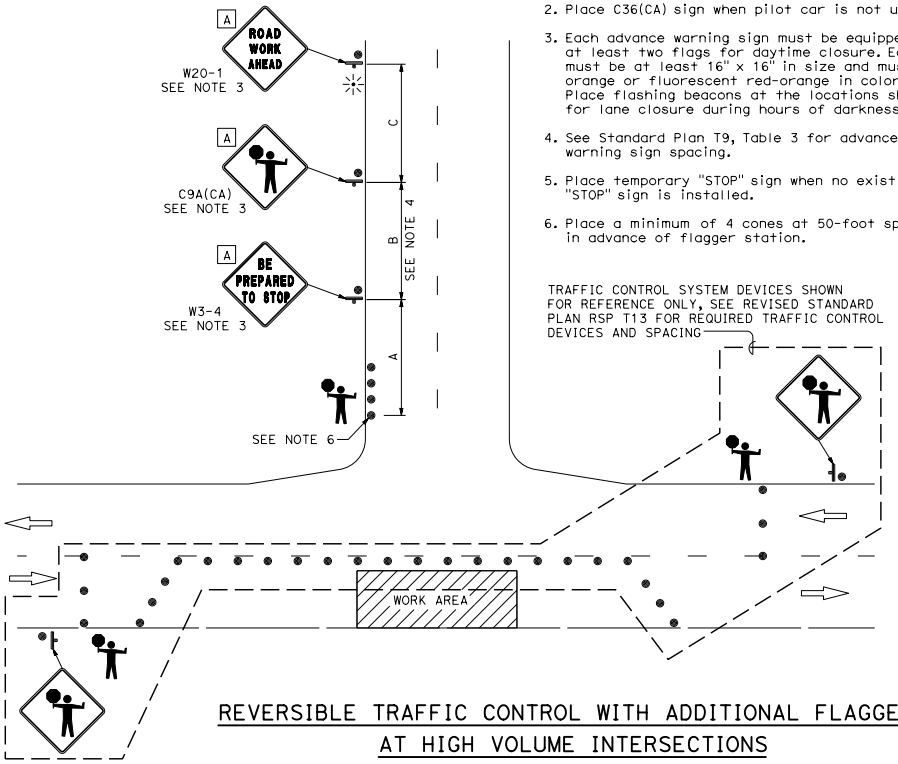
- FLAGGER
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE



REVERSIBLE TRAFFIC CONTROL WITH ADDITIONAL FLAGGERS FOR SIDE ROADS AND BUSINESS DRIVEWAYS



REVERSIBLE TRAFFIC CONTROL WITH SIGNS FOR RESIDENTIAL DRIVEWAYS AND LOW VOLUME SIDE ROADS



REVERSIBLE TRAFFIC CONTROL WITH ADDITIONAL FLAGGERS AT HIGH VOLUME INTERSECTIONS

NOTES:

1. Place C37(CA) sign when pilot car is used.
2. Place C36(CA) sign when pilot car is not used.
3. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the locations shown for lane closure during hours of darkness.
4. See Standard Plan T9, Table 3 for advance warning sign spacing.
5. Place temporary "STOP" sign when no existing "STOP" sign is installed.
6. Place a minimum of 4 cones at 50-foot spacing in advance of flagger station.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13B DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T13B DATED SEPTEMBER 19, 2025 - PAGE 333 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T13B

2025 REVISED STANDARD PLAN RSP T13B

12-22-25

SIGN PANEL SIZE (Min)	
A	48" x 48"

LEGEND:

- FLAGGER
- PORTABLE FLASHING BEACON
- TEMPORARY TRAFFIC CONTROL SIGN
- TRAFFIC CONE
- TRAFFIC CONE, Alt 2

NOTES:

1. Place advance warning signs to inform drivers of side road or business driveway closure and detour.
2. Each advance warning sign must be equipped with at least two flags for daytime closure. Each flag must be at least 16" x 16" in size and must be orange or fluorescent red-orange in color. Place flashing beacons at the location shown for lane closure during hours of darkness.
3. See Standard Plan T9, Table 3 for advance warning sign spacing.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Mike Malyy
No. C83437
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

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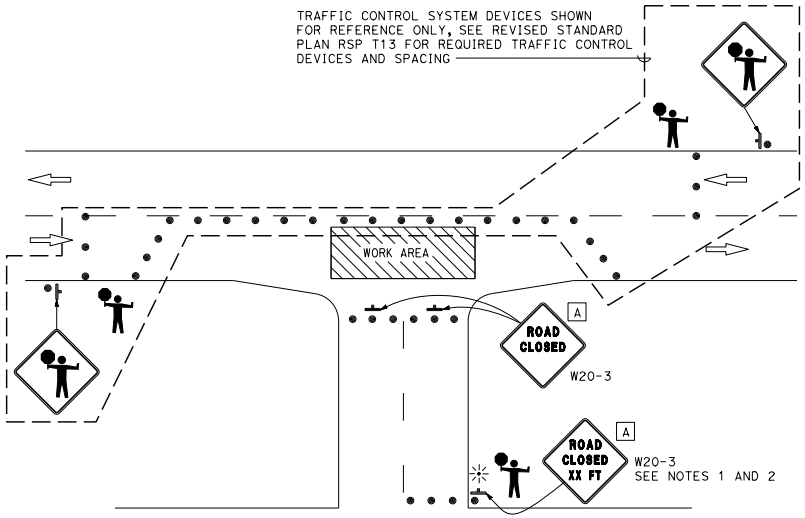
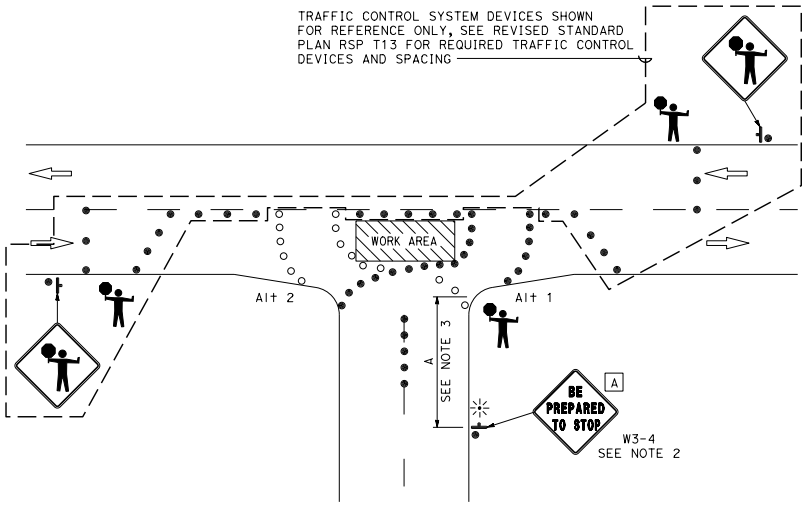


REVERSIBLE TRAFFIC CONTROL WITH ADDITIONAL FLAGGERS FOR SIDE ROADS AND BUSINESS DRIVEWAYS INTERSECTING CLOSED AREA (OPTION 1)



REVERSIBLE TRAFFIC CONTROL WITH ADDITIONAL FLAGGERS FOR SIDE ROADS AND BUSINESS DRIVEWAYS INTERSECTING CLOSED AREA (OPTION 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

RSP T13C DATED APRIL 20, 2026 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T13C

2025 REVISED STANDARD PLAN RSP T13C

12-19-25

NOTES:

1. Channelizing devices shown adjacent to the mobile barrier may be removed or not placed while the mobile barrier is stationary, but must be placed or replaced as the barrier moves within the work area.
2. See Standard Plan T9 for tables.
3. One impact attenuator vehicle per closed internal lane adjacent to the mobile barrier.
4. A separate vehicle mounted PCMS or Arrow Board may be used, when a PCMS or Arrow Board is not installed on the mobile barrier.

LEGEND:

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL)
- TEMPORARY TRAFFIC CONTROL SIGN
- TYPE II FLASHING ARROW SIGN
- FAS SUPPORT OR TRAILER
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- REPOSITIONING MOBILE BARRIER
- IMPACT ATTENUATOR
- TYPE II FLASHING ARROW SIGN FLASHING CAUTION MODE
- TYPE II FLASHING ARROW SIGN ALTERNATING DIAMONDS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Malik Rehman — No. C83390 — Exp. 3-31-27 — CIVIL — STATE OF CALIFORNIA

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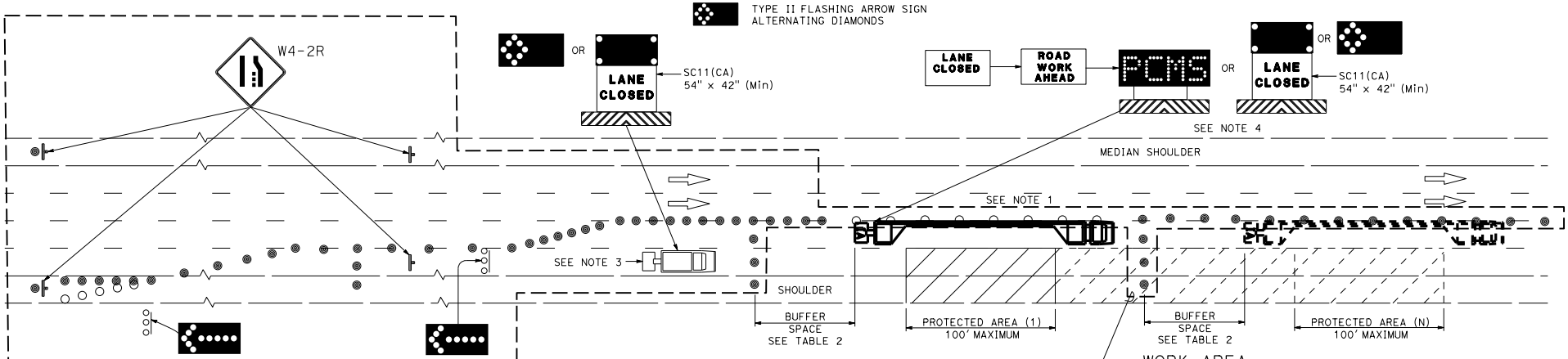
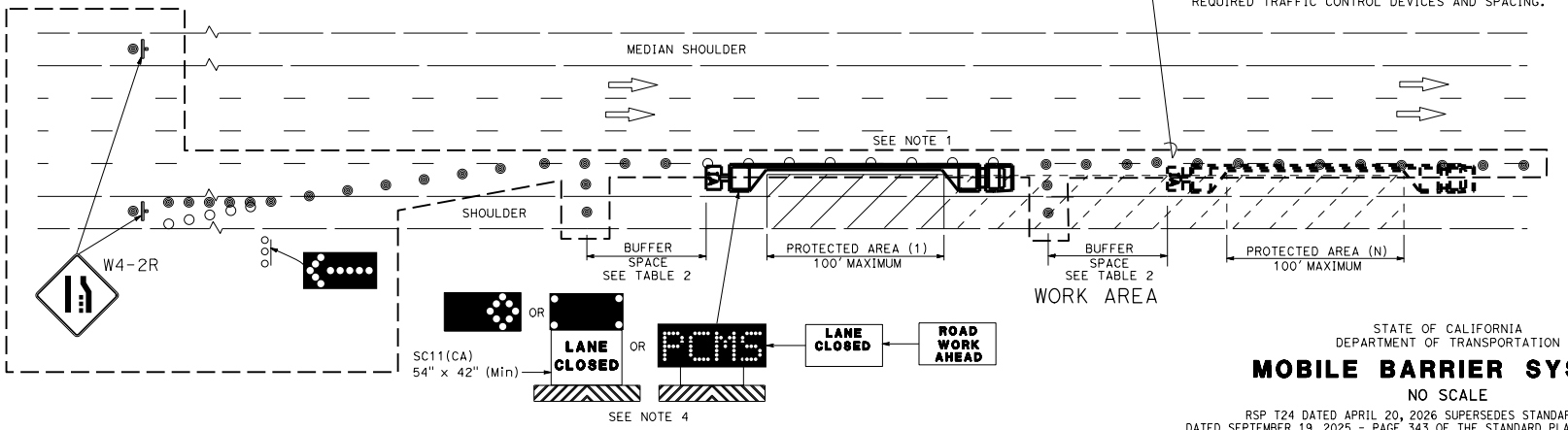


MOBILE BARRIER WITHIN TRAFFIC CONTROL SYSTEM
IN LANE ADJACENT TO WORK AREA

TRAFFIC CONTROL SYSTEM DEVICES SHOWN FOR REFERENCE ONLY, SEE TRAFFIC CONTROL SYSTEM STANDARD PLANS FOR REQUIRED TRAFFIC CONTROL DEVICES AND SPACING.



MOBILE BARRIER WITHIN TRAFFIC CONTROL SYSTEM

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MOBILE BARRIER SYSTEM

NO SCALE

RSP T24 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T24
DATED SEPTEMBER 19, 2025 - PAGE 343 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T24

12-12-25

2025 REVISED STANDARD PLAN RSP T24

NOTES:

1. Channelizing devices shown adjacent to the mobile barrier may be removed or not placed while the mobile barrier is stationary, but must be placed or replaced as the barrier moves within the work area.
2. See Standard Plan T9 for tables.
3. A separate vehicle mounted PCMS or Arrow Board may be used, when a PCMS or Arrow Board is not installed on the mobile barrier.

LEGEND:

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL)
- TEMPORARY TRAFFIC CONTROL SIGN
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- REPOSITIONING MOBILE BARRIER
- IMPACT ATTENUATOR
- TYPE II FLASHING ARROW SIGN FLASHING CAUTION MODE
- TYPE II FLASHING ARROW SIGN ALTERNATING DIAMONDS
- FLAGGER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
REGISTERED CIVIL ENGINEER

April 20, 2026
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Malik Rehman — No. C83390 — Exp. 3-31-27 — CIVIL — STATE OF CALIFORNIA

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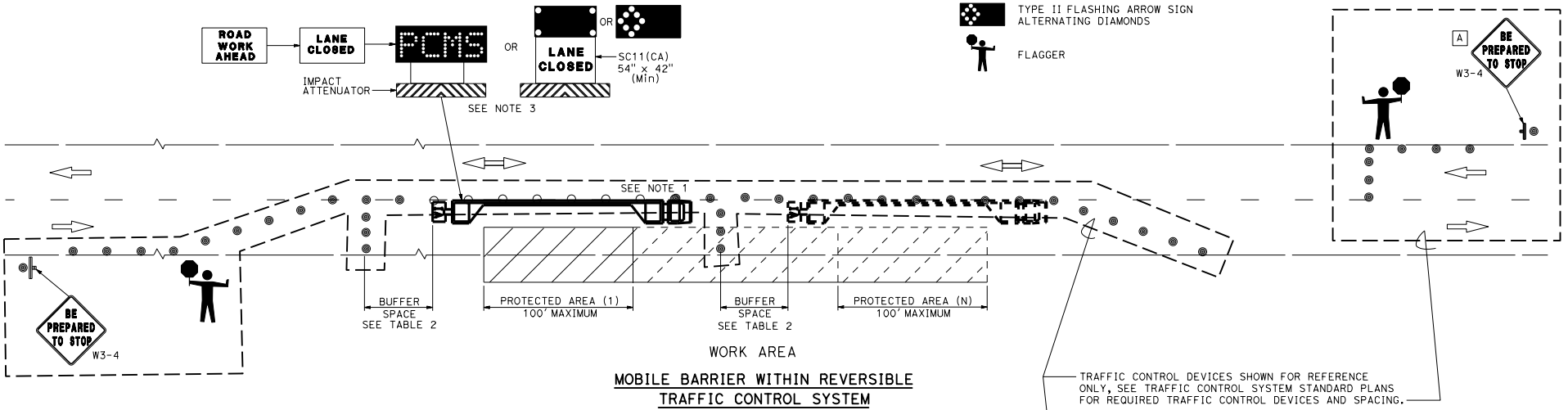
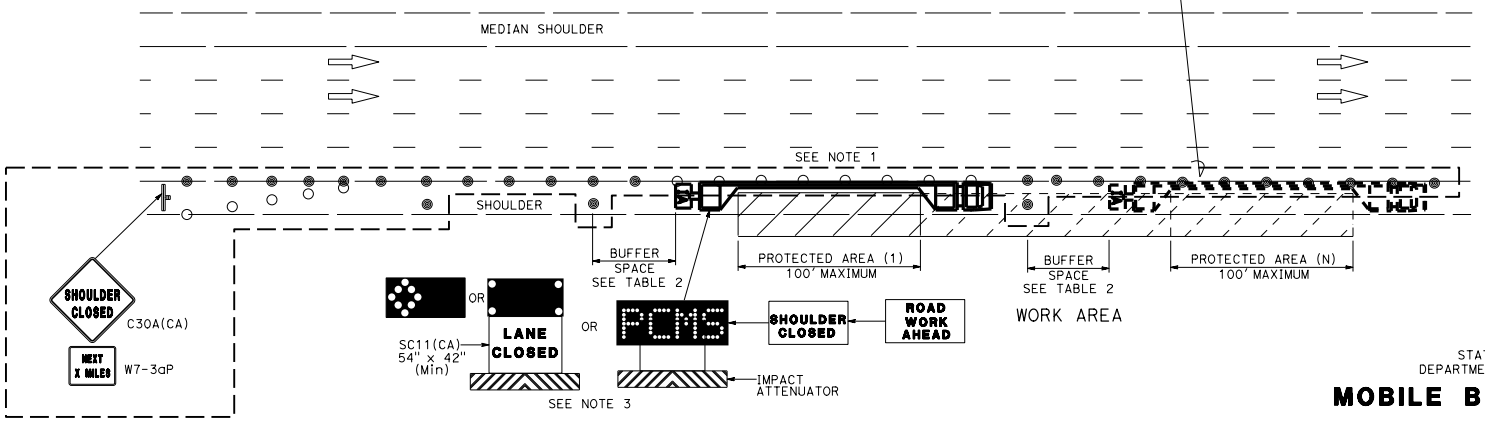


MOBILE BARRIER WITHIN REVERSIBLE TRAFFIC CONTROL SYSTEM

TRAFFIC CONTROL DEVICES SHOWN FOR REFERENCE ONLY, SEE TRAFFIC CONTROL SYSTEM STANDARD PLANS FOR REQUIRED TRAFFIC CONTROL DEVICES AND SPACING.



MOBILE BARRIER WITHIN SHOULDER TRAFFIC CONTROL SYSTEM

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

MOBILE BARRIER SYSTEM

NO SCALE

RSP T25 DATED APRIL 20, 2026 SUPERSEDES STANDARD PLAN T25 DATED SEPTEMBER 19, 2025 - PAGE 344 OF THE STANDARD PLANS BOOK DATED 2025.

REVISED STANDARD PLAN RSP T25

2025 REVISED STANDARD PLAN RSP T25

12-23-25