

PLANS FOR CONSTRUCTION

AMERICAN AVENUE AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS

PROJECT LIMITS:

AMERICAN AVE RECONSTRUCTION (HWY. 99 TO 860' EAST OF PEACH AVE):

STA 114+50 TO STA 134+50

GOLDEN STATE BLVD (NB) RECONSTRUCTION:

STA 26+40 TO STA 43+67

GOLDEN STATE BLVD (SB) RECONSTRUCTION:

STA 23+35 TO STA 42+42

PEACH AVE (N) RECONSTRUCTION:

STA 0+00 TO STA 2+00

PEACH AVE (S) RECONSTRUCTION:

STA 20+29 TO GSB (SB) MATCH

REVIEWED BY:

[Signature]
CITY TRAFFIC ENGINEERING

4/2/2021
DATE

[Signature]
CITY TRAFFIC SIGNAL AND STREET LIGHTS SUPERVISOR

3-30-2021
DATE

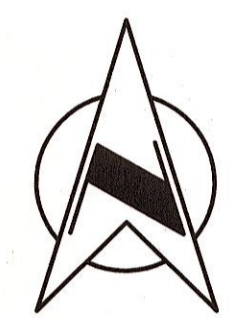
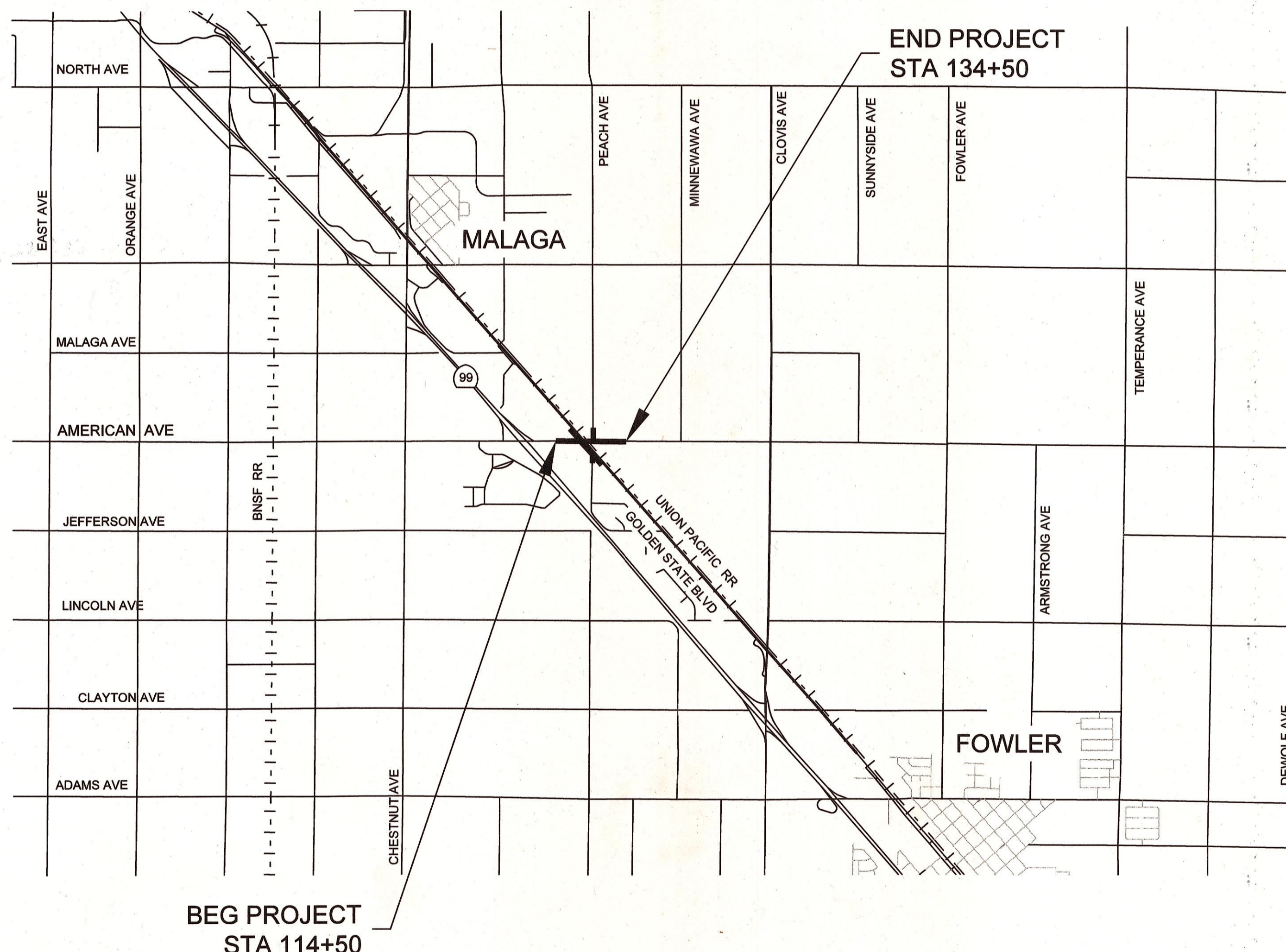
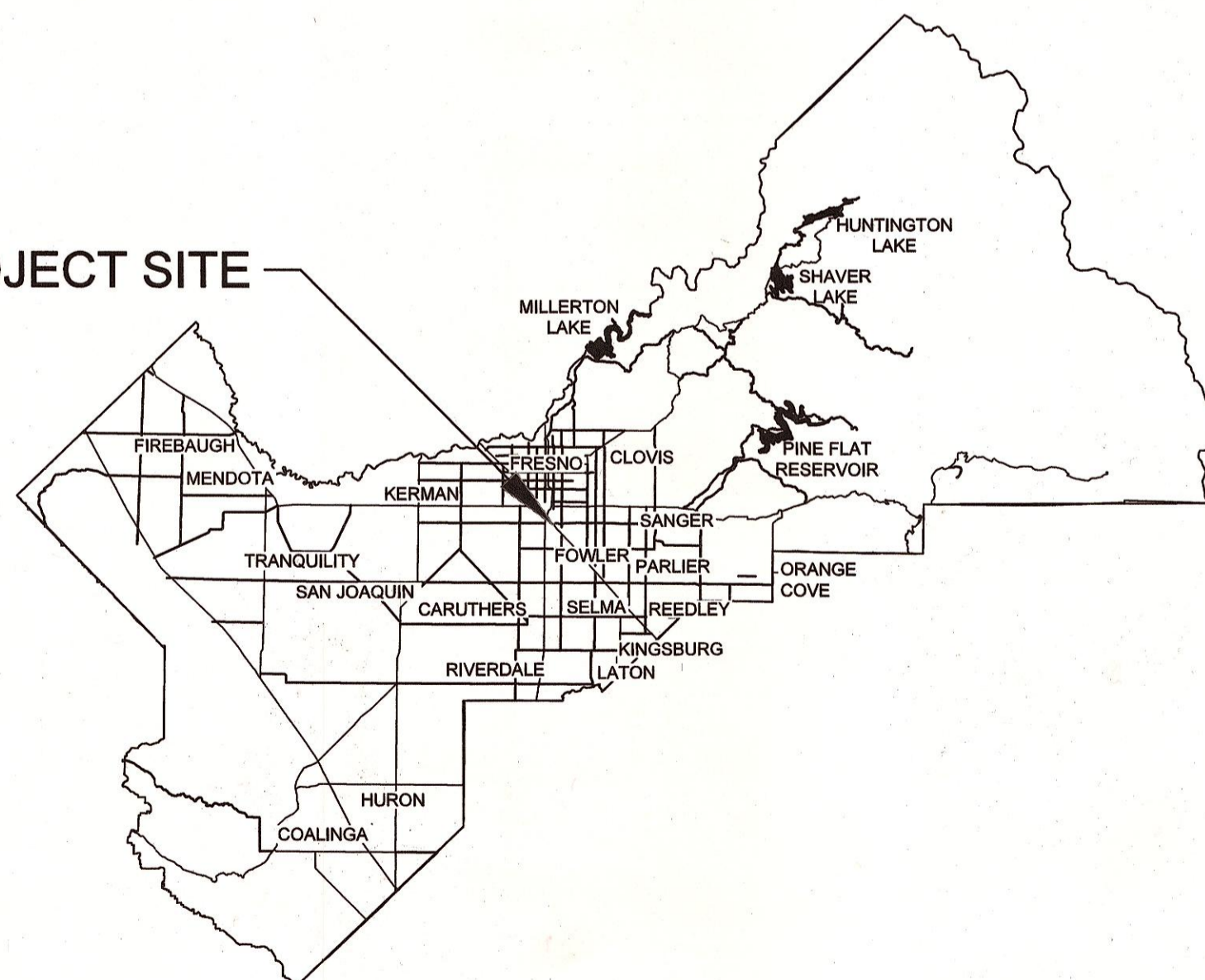
[Signature]
CITY TRAFFIC OPERATIONS CENTER

4/01/2021
DATE

CITY OF FRESNO REVIEW IS LIMITED TO:

REVIEW OF TRAFFIC SIGNAL DESIGN AND IMPROVEMENTS

PROJECT SITE



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Steve Brandau Chairman 2nd District
 Brian Pacheco Vice Chairman 1st District
 Sal Quintero 3rd District
 Ernest Buddy Mendes 4th District
 Nathan Magsig 5th District

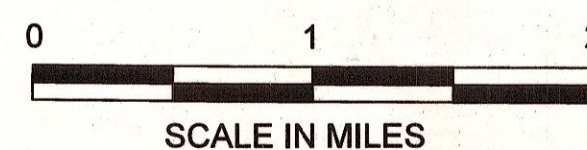
Jean M. Rousseau
 County Administrative Officer

APPROVED *[Signature]*

Steven E. White, Director
 Department of Public Works and Planning

CALIFORNIA CONTRACTOR'S LICENSES REQUIRED FOR THIS PROJECT					
CLASS A, GENERAL ENGINEERING					
C-12, EARTHWORK AND PAVING					
DRAWING NO.	ROAD NO.	BRIDGE NO.	FISCAL YR.	SHEET NO.	TOTAL
11227	S0500/D0070	N/A	2020/2021	1	42
CONTRACT NO. 20-20-C					

RECORD DRAWING	
CONTRACTOR	
NAME	
ADDRESS	
CITY	STATE ZIP
PHONE	
DATE AWARDED	
DATE STARTED	
DATE COMPLETED	
RESIDENT ENGINEER	
NAME	SIGNATURE
NAME	SIGNATURE



DEPARTMENT OF PUBLIC WORKS AND PLANNING

STANDARD PLANS LIST & GENERAL ROAD WORK

■	INDICATES APPLICABLE PLAN
■ A20A	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
■ A20B	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
□ A20C	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
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■ A24C	PAVEMENT MARKINGS SYMBOLS AND NUMERALS
■ A24D	PAVEMENT MARKINGS WORDS
■ A24E	PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES
□ A24F	PAVEMENT MARKINGS CROSSWALKS
■ A62A	EXCAVATION AND BACKFILL MISCELLANEOUS DETAILS
□ A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
□ A62C	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE
□ A62D	EXCAVATION AND BACKFILL CONCRETE PIPE CULVERTS
□ A62DA	EXCAVATION AND BACKFILL CONCRETE PIPE CULVERTS INDIRECT DESIGN METHOD
□ A62E	EXCAVATION AND BACKFILL CAST-IN-PLACE REINFORCED CONCRETE BOX AND ARCH CULVERTS
□ A62F	EXCAVATION AND BACKFILL METAL AND PLASTIC CULVERTS
□ A62G	EXCAVATION AND BACKFILL PRECAST REINFORCED CONCRETE BOX CULVERTS
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■ A73B	MARKERS
■ A73C	DELINEATORS, CHANNELIZERS, AND BARRICADES
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□ A78C1	THREE BEAM BARRIER STANDARD HARDWARE DETAILS
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■ P76	PAVEMENT EDGE TREATMENTS - NEW CONSTRUCTION
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□ T2	TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)
□ T3	TEMPORARY RAILING (TYPE K)

GENERAL NOTES

- DIMENSIONS SHOWN ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- ALL PIPE JOINTS ARE TO BE WATERTIGHT POSITIVE JOINT SYSTEMS WITH RUBBER GASKET PER STATE STANDARD PLAN D97H.
- STATE STANDARD SPECS. - 2015 EDITION & LATEST SUPPLEMENTS.
- REMOVAL OF EXISTING IRRIGATION SYSTEMS MUST BE COORDINATED WITH PROPERTY OWNERS.

GENERAL LEGEND

ABBREVIATIONS

AB	AGGREGATE BASE	DI	DRAINAGE INLET	LP	LIMIT OF PAYMENT	RT	RIGHT ROUTE
ABUT	ABUTMENT(S)	DIA	DIAMETER	LT	LEFT	RTE	ROUTE
AC	ASPHALT CONCRETE	DIR	DIRECTION	MAX	MAXIMUM	RW	RETAINING WALL
AHD	AHEAD	DIST	DISTANCE	MB	METAL BEAM	R/W	RIGHT OF WAY
ALIGN	ALIGNMENT	DO	DRAINAGE OUTLET	MBGR	METAL BEAM GUARD RAILING	S	SLOPE
ALY	ALLEY	DRWY	DRIVEWAY	MH	MANHOLE	SALV	SALVAGE
AP	ANGLE POINT	EA	EACH	MI	MILE (S)	SBL	SOUTH BOUND LANE
APCH	APPROACH	EASE	EASEMENT	MIN	MINIMUM	SEC	SECTION
APPROX	APPROXIMATE ± ()	EB	END OF BRIDGE	MISC	MISCELLANEOUS	SDWK	SIDEWALK
AS	AGGREGATE SUBBASE	E/B	EAST BOUND	MOD	MODIFY (IED)	SH	STATE HIGHWAY
ASSY	ASSEMBLY	EC	END HORIZONTAL CURVE	MON	MONUMENT	SHLDR	SHOULDER
AV	AIR RELEASE VALVE	ECR	END CURB RETURN	MP	MILE POST	SHT	SHEET
AVE	AVENUE	ED	END DIKE	MTL	MATERIAL	S/L	SECTION LINE
BB	BEGINNING OF BRIDGE	ELEV	ELEVATION	N/A	NOT APPLICABLE	SP	STANDPIPE
BC	BEGIN HORIZONTAL CURVE	(ELEV)	EXISTING ELEVATION	NBL	NORTH BOUND LANE	SQ	SQUARE
BCM	BRASS CAP MONUMENT	EMB	EMBANKMENT	NO (#)	NUMBER	SQ FT	SQUARE FOOT (FEET)
BCR	BEGIN CURB RETURN	EP	EDGE OF PAVEMENT	NS	NATIVE SOIL	SQ IN	SQUARE INCH
BEG	BEGIN(ING)	EQ	EQUAL	OC	ON CENTER	ST	STREET
BKF	BACKFILL	ES	EDGE OF SHOULDER	OD	OUTSIDE DIAMETER	STA	STATION
BLDG	BUILDING	ETL	EDGE OF TRAVEL LANE	OG	ORIGINAL GROUND	STD	STANDARD
BLVD	BOULEVARD	EVC	END VERTICAL CURVE	PB	PULL BOX	STR	STRUCTURE (S)
BM	BENCH MARK	EW	ENDWALL	PBS	PULV BIT SURF	SURF	SURFACING
BR	BRIDGE	EXC	EXCAVATION	PE	POLYETHYLENE	STP	STEEL PIPE
BVC	BEGIN VERTICAL CURVE	EXIST / (E)	EXISTING	PCC	PORTLAND CEMENT CONCRETE	SWR	SEWER
BW	BARBED WIRE	EXP JT	EXPANSION JOINT	PERM	PERMEABLE	TAN OFF	TANGENT OFFSET
CC	CENTER TO CENTER	FCBCM	FRESNO COUNTY BCM	PG	PROFILE GRADE	TBM	TEMPORARY BM
CF	CUBIC FOOT (FEET)	FG	FINISHED GRADE	PI	POINT OF INTERSECTION	TBR	TIMBER
CFS	CUBIC FEET PER SECOND	FH	FIRE HYDRANT	PL	PLATE	TCP	TEMPORARY CONST PERMIT
C & G	CURB AND GUTTER	FL	FLOW LINE	P/L	PROPERTY LINE	TFC	TOP FACE OF CURB
CHNL	CHANNEL	FRE	FRESNO	PM	POST MILE	TFP	TRANSFORMER POLE
CI	CITY	FT	FOOT (FEET)	POC	POINT ON CURVE	TOT	TOTAL
CIDH	CAST-IN DRILLED HOLE	GAL	GALLON (S)	POT	POINT ON TANGENT	TP	TELEPHONE POLE
CIP	CAST IRON PIPE	GALV	GALVANIZED	PP	POWER POLE	TCB	TRAFFIC CONTROL BOX
CIPCP	CAST-IN-PLACE CONCRETE PIPE	GB	GRADE BREAK	PPP	PERFORATED PLASTIC PIPE	TRANS	TRANSITION
C/L (Ⓞ)	CENTER LINE	GP	GRADING PLANE	PRF	PAVEMENT REINFORCING FABRIC	TS	TRAFFIC SIGNAL
CL	CHAIN LINK	GRUB	GRUBBING	PSF	POUNDS PER SQUARE FOOT	TYP	TYPICAL
CLR	CLEAR (ING), CLEARANCE	GW	GUY WIRE	PSI	POUNDS PER SQUARE INCH	TYP SEC	TYPICAL SECTION
CMP	CORRUGATED METAL PIPE	HORIZ	HORIZONTAL	PT	PEDESTAL TELEPHONE	UC	UNDERCROSSING
CMPA	CORRUGATED METAL PIPE ARCH	HP	HINGE POINT	PNT	POINT	UG	UNDERGROUND
CNS	COMPACTED NATIVE SOIL	HS	HIGH STRENGTH	PULV	PULVERIZED	UD	UNDERDRAIN
CO	COUNTY	HW	HEAD WALL	PVC	POLYVINYL CHLORIDE	UDR	UNDERDRAIN RISER
COMM	COMMERCIAL	HWM	HIGH WATER MARK	PVMT	PAVEMENT	UP	UNDERPASS
CONC	CONCRETE	HWY	HIGHWAY	R	RADIUS	VAR	VARIES (ABLE)
CONST	CONSTRUCT (ION)	IB	IMPORTED BORROW	RCB	REINFORCED CONCRETE BOX	VC	VERTICAL CURVE
CONT	CONTINUOUS	ID	INSIDE DIAMETER	RCP	REINFORCED CONCRETE PIPE	VCP	VITRIFIED CLAY PIPE
CP	CONCRETE PIPE	IP	IRON PIPE	RD	ROAD	VERT	VERTICAL
CR	CURB RAMP	IRR	IRRIGATION	R & R	REMOVE AND REPLACE	VG	VALLEY GUTTER
CS	COTTON SPINDLE	IV	IRRIGATION VALVE	REINF	REINFORCED (MENT) (ING)	VP	VENT PIPE
CSP	CORRUGATED STEEL PIPE	JP	JOINT POLE	REL	RELOCATE	W/B	WEST BOUND
CSPA	CORRUGATED STEEL PIPE ARCH	JT	JOINT	RES	RESIDENTIAL	WM	WATER METER
CA TV	CABLE TELEVISION	LBS	POUNDS	RET	RETAINING	WP	WEAKENED PLANE
CULV	CULVERT	LF	LINEAR FOOT	RG	RUBBER GASKET	WR	WHEELCHAIR RAMP
CY (CU YD)	CUBIC YARD(S)	LOC	LOCATION	RLG	ROCK LINED GUTTER	WV	WATER VALVE
		LOL	LAYOUT LINE	RR	RAILROAD	WW	WINGWALL

CONSTRUCTION SYMBOLS

Ⓐ	TYPE "A" CURB	SM	SURVEY MONUMENT
Ⓑ3	TYPE "B3" CURB	CC	CONCRETE COLLAR
ⒻA	TYPE "FA" CURB	GM	GRADE MATCH
ⒸE	FA CURB EXTENSION	SC	SAW CUT
ⒸS	COMMERCIAL SIDEWALK	OD	OVERSIDE DRAIN
RD	RESIDENTIAL SIDEWALK	STA	MISC TRAFFIC SIGN
AS	ADJACENT RES SIDEWALK	SS	STOP SIGN
HW	CONCRETE HOUSEWALK	"L"	DENOTES LENGTH IN FEET
VG	VALLEY GUTTER	◇	SECTION CORNER
MB	MAIL BOX	MA	PLACE AC, MISC AREA
W	CONCRETE DRIVEWAY	→	DIRECTION OF FLOW
W	5' AC DRIVEWAY	→	GRADE TO FLOW
W	5' DIRT DRIVEWAY	- x -	CHAIN LINK FENCE
W	MODIFY CONC DRIVEWAY	- · -	WIRE FENCE
"W"	DENOTES WIDTH	- · · · · ·	DITCH FLOW LINE
"D"	DENOTES MATCH DISTANCE	⚠	DAYLIGHT LIMIT
"S"	DENOTES SKEW ANGLE	△	GP AND LP ROADWAY EXC
DI	DRAINAGE INLET	X	REFERENCE TO STATE STANDARD PLAN DETAIL
DO	DRAINAGE OUTLET	X	REFERENCE TO DETAIL ON DWG. OR DETAIL TITLE
MH	INSTALL MANHOLE	X	DWG. NO. SHEET NO. SECTION CUT
W	INSTALL WATER VALVE	X	DWG. NO. SHEET NO.
MH	ADJUST MANHOLE	⊗	REMOVE EXIST SDWK
AV	ADJUST AIR RELEASE VALVE	■	NEW CONC
W	ADJUST WATER VALVE	■	NEW HMA
DD	2" AC DEPRESSED DIKE	■	NEW AB
ID	4" AC INTERMEDIATE DIKE	■	CNS
D	6" AC DIKE	■	EXIST CONC
R	RADIUS	■	EXIST MISC LANDSCAPING
"R"	DENOTES RADIUS IN FEET	■	EXIST AC WALKWAY

EXISTING IMPROVEMENTS

Ⓐ	TYPE "A" CURB	RS	RES SIDEWALK	- x -	WIRE FENCE
Ⓑ3	TYPE "B3" CURB	VG	VALLEY GUTTER	- o -	CHAIN LINK FENCE
ⒻA	TYPE "FA" CURB	SM	SURVEY MON	- () -	METAL FENCE
ⒸS	COMM SIDEWALK	MB	MAIL BOX	- -	WOOD FENCE
				- · -	PVC FENCE
				- \ / -	MISC LANDSCAPING

UTILITY NOTES

- LOCATIONS OF EXISTING UNDERGROUND FACILITIES ARE APPROX. EXACT DEPTH AND LOCATIONS ARE UNKNOWN. FIELD LOCATE PRIOR TO THE START OF CONSTRUCTION.
**CALL UNDERGROUND SERVICE ALERT (USA) 811
- FOR NEW UTILITY LOCATIONS REFER TO UTILITY PLAN SHEETS.

UTILITY SYMBOLS

○	STAND PIPE	Ⓜ	MH-STORM DRAIN	— C —	UG CABLE	⚡	STREET LIGHT POLE
Ⓜ	IRR UG PIPE FLOW	Ⓜ	MH-ELECTRICAL	— D —	UG STORM DRAIN LINE	⚡	EXISTING SIGNAL POLE
Ⓜ	IRR UG PIPE CAPPED	Ⓜ	MH-FO/CABLE	— E —	UG ELECTRIC LINE	Ⓜ	STORM DRAIN DROP INLET
Ⓜ	IRR VALVE SCREWGATE	Ⓜ	MH-GAS	— FO —	UG FIBER OPTIC	Ⓜ	STORM DRAIN GRATE
Ⓜ	IRR TOP GATE VALVE	Ⓜ	MH-SANITARY SWR	— G —	UG GAS LINE	Ⓜ	STEEL DRAIN PIPE
○	IRR PIPE 12" VERTICAL	Ⓜ	MH-TELEPHONE	— S —	UG SANITARY SEWER	Ⓜ	DOWN DRAIN
○	VENT PIPE	Ⓜ	MH-WATER	— T —	UG TELEPHONE LINE	Ⓜ	WARNING SIGN
Ⓜ	IRR VALVE - BUBBLER	Ⓜ	ELEC METER	— W —	UG WATER LINE	Ⓜ	WARNING SIGN
Ⓜ	IRR VALVE, DRIP SYSTEM	Ⓜ	ELECTRIC VAULT	— OHE —	OVERHEAD ELEC LINE	Ⓜ	WARNING SIGN
Ⓜ	IRR PIPE 4" VERT OUTLET	Ⓜ	CHRISTY BOX	— OHT —	OVERHEAD TELE LINE	Ⓜ	WARNING SIGN
Ⓜ	WATER WELL	Ⓜ	TELEPHONE VAULT	Ⓜ	MH-GASOLINE FILLER	Ⓜ	WARNING SIGN
Ⓜ	WATER WELL PUMP	Ⓜ	GAS METER	○	GASOLINE VENT PIPE	Ⓜ	WARNING SIGN
Ⓜ	WATER STORAGE TANK	Ⓜ	GAS VALVE	Ⓜ	GASOLINE PUMP	Ⓜ	WARNING SIGN
Ⓜ	FIRE HYDRANT	Ⓜ	WATER METER	Ⓜ	CLEAN OUT	Ⓜ	WARNING SIGN
○	IRR 2"-4" PIPE RISER	Ⓜ	WATER VALVE	Ⓜ	BACKFLOW PREVENTER	Ⓜ	ELECTRIC PULL BOX
		Ⓜ	HOSE BIB	*	SPRINKLER	Ⓜ	PEDESTAL-TELEPHONE

DATE	RECORD DRAWING	
DESIGNED: D.K.	10/01/2019	RESIDENT ENGINEER
DRAWN: I.M./J.D.	12/16/2019	
CHECKED: S.A.	07/01/2020	

SCALE	DATE
	4/9/2021
SUPERVISING ENGINEER	

PROJECT

AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS

ROAD NO. S0500/D0070 BRIDGE NO. N/A

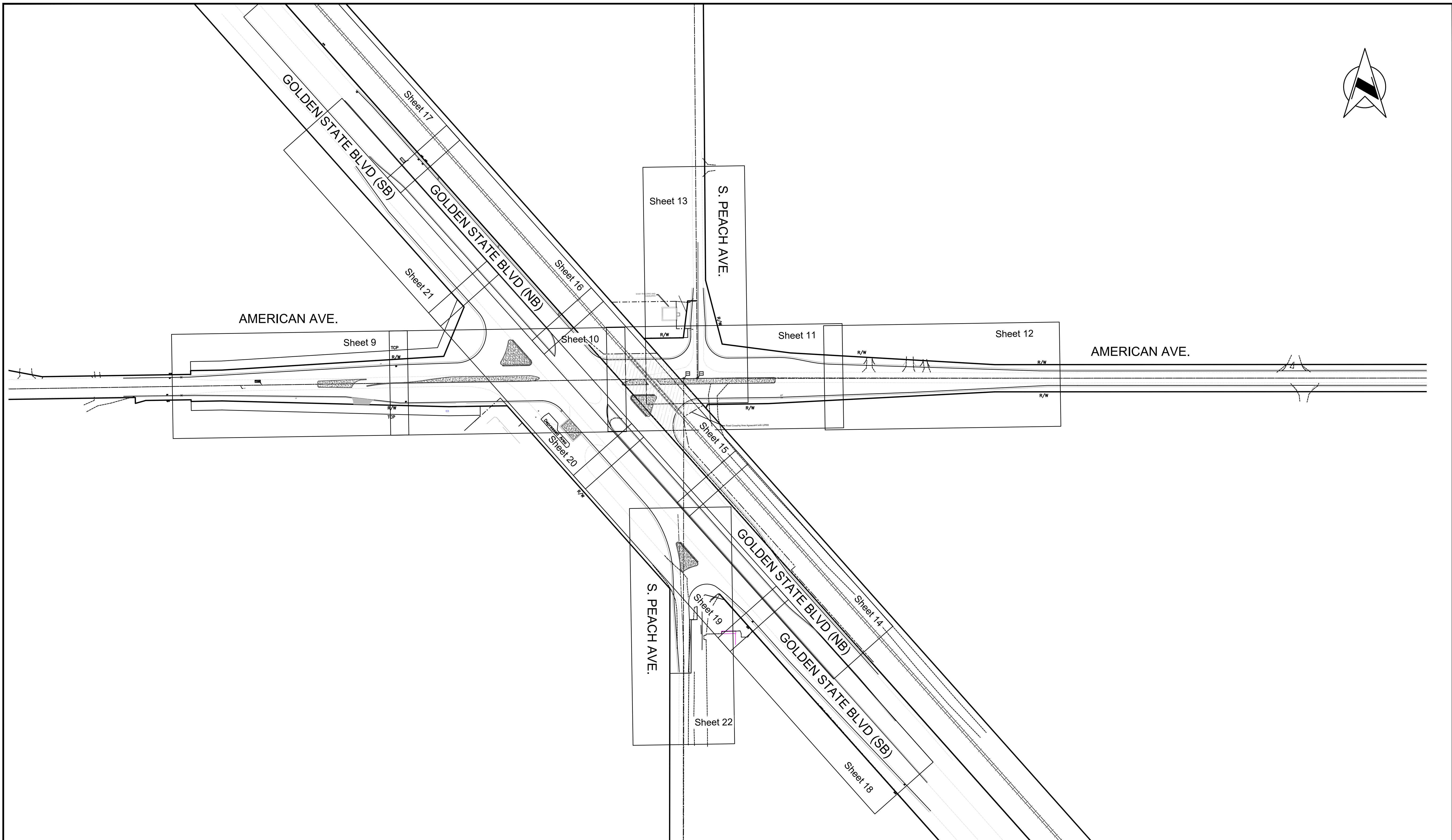
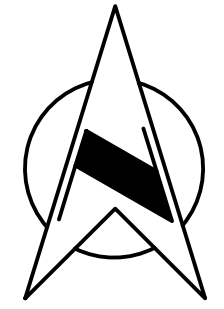
DEPARTMENT OF PUBLIC WORKS AND PLANNING

LEGEND

ROAD RECONSTRUCTION

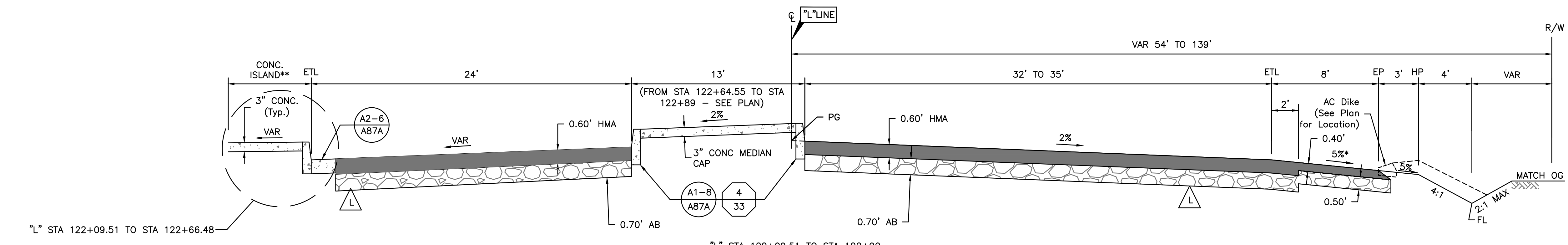
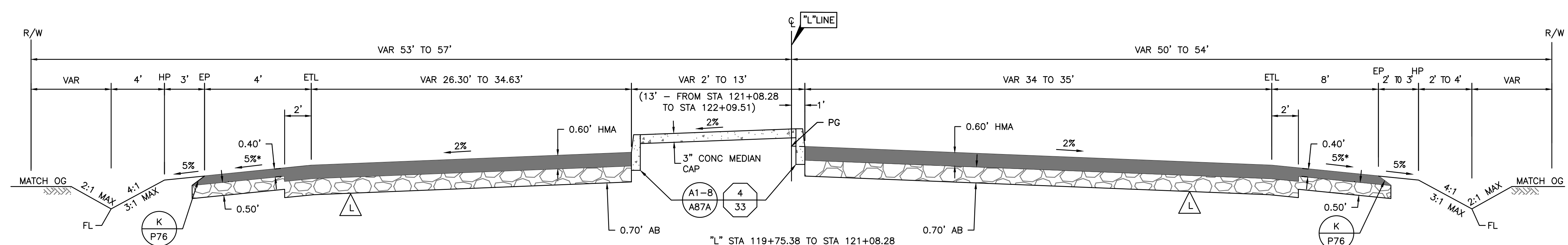
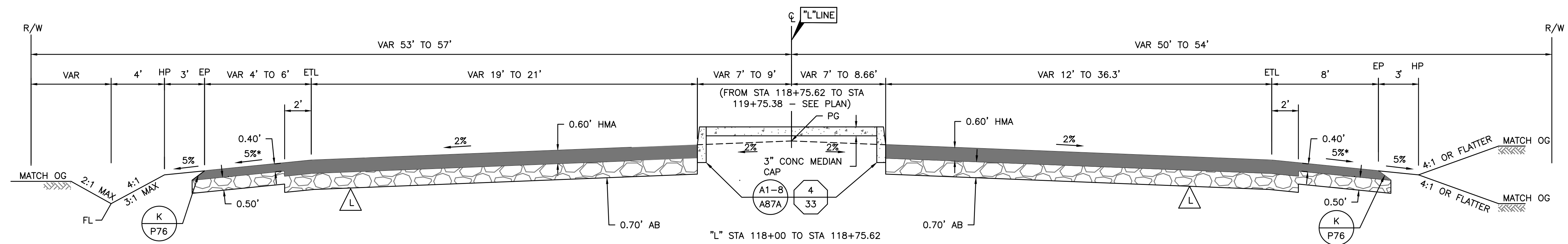
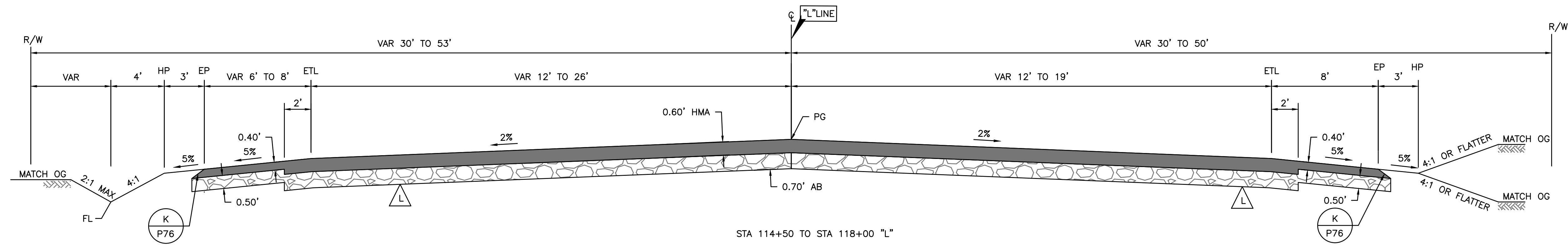
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FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



DESIGNED: D.K.		DATE	RECORD DRAWING		SCALE		 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING			
DRAWN: I.M./J.D.		10/01/2019	RESIDENT ENGINEER	DATE	0 100' 200' 					AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS			ROAD INTERSECTION KEY MAP SHEET AMERICAN AVENUE AND GOLDEN STATE BLVD			
CHECKED: S.A.		12/16/2019								ROAD NO. S0500/D0070			BRIDGE NO. N/A		DRAWING NO. 11227	
		07/01/2020											SHEET NO. 3		TOTAL 42	

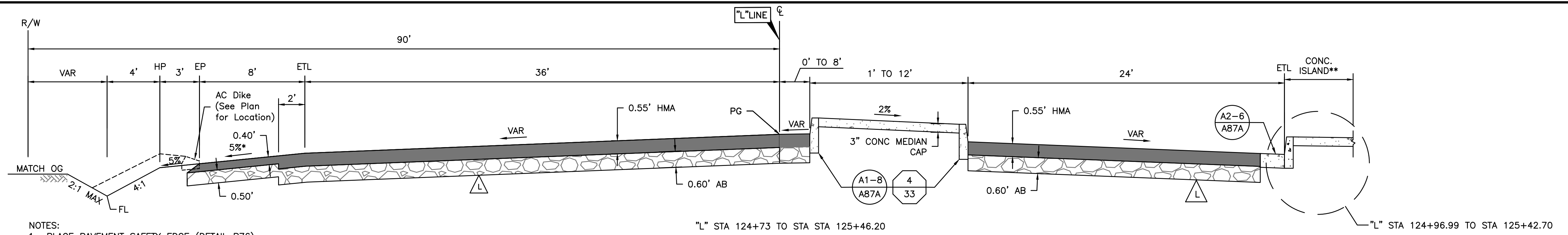
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**AMERICAN AVENUE
RECONSTRUCTION**

* VARIES, SEE CURB RETURN ELEVATIONS
** DIMENSION VARIES - SEE PLAN VIEW

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING		
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE			AMERICAN AVE. AND GOLDEN STATE BLVD.		TYPICAL SECTIONS		
CHECKED: S.A.	DATE: 07/01/2020					SUPERVISING ENGINEER		INTERSECTION IMPROVEMENTS	ROAD RECONSTRUCTION	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.								ROAD NO. S0500/D0070	BRIDGE NO. N/A	DRAWING NO. 11227

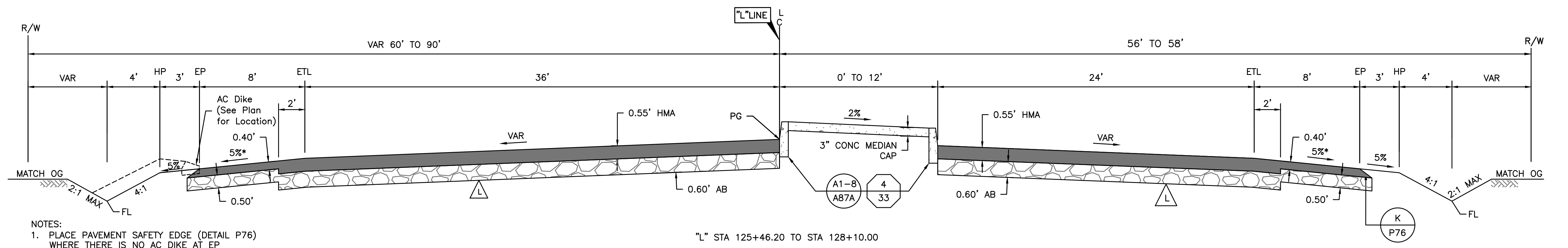


- NOTES:
1. PLACE PAVEMENT SAFETY EDGE (DETAIL P76) WHERE THERE IS NO AC DIKE AT EP
 2. SEE SHEET 61 FOR TYPES "A" AND "E" AC DIKE TYPICAL DETAIL.
 3. FL = DITCH FLOW LINE (SEE PLAN)

"L" STA 124+73 TO STA 125+46.20

"L" STA 124+96.99 TO STA 125+42.70

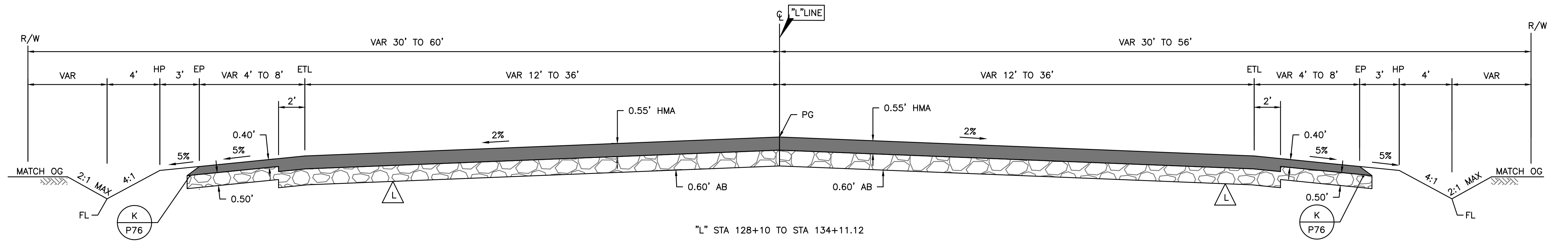
* VARIES, SEE CURB RETURN ELEVATIONS
 ** DIMENSION VARIES - SEE PLAN VIEW



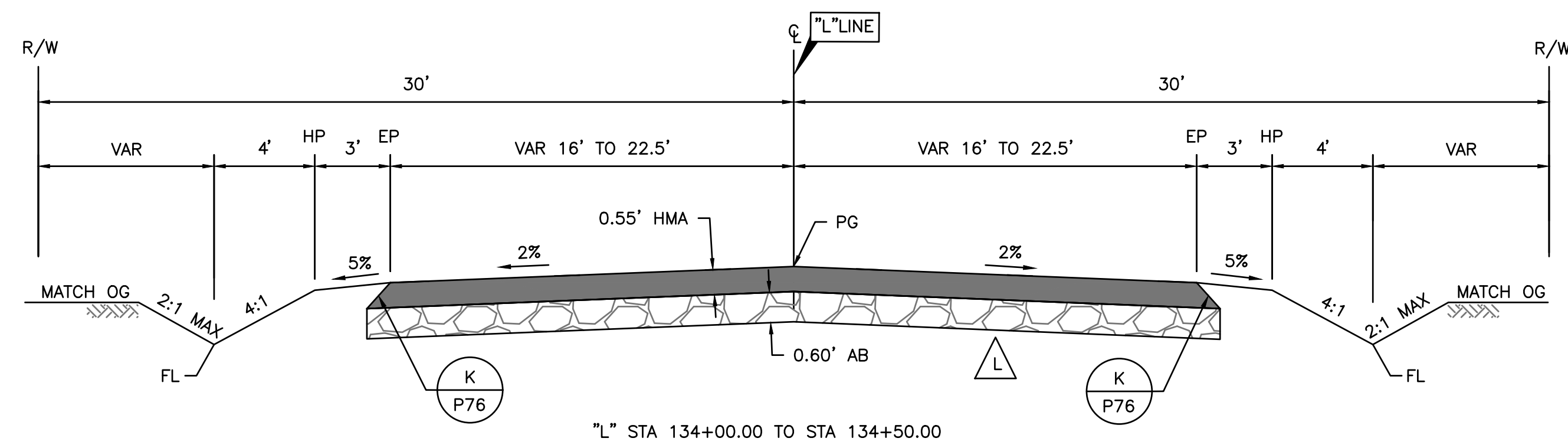
- NOTES:
1. PLACE PAVEMENT SAFETY EDGE (DETAIL P76) WHERE THERE IS NO AC DIKE AT EP
 2. SEE SHEET 61 FOR TYPE "E" CASE "F" AC DIKE TYPICAL DETAIL.
 3. FL = DITCH FLOW LINE (SEE PLAN)

"L" STA 125+46.20 TO STA 128+10.00

*VARIES, SEE CURB RETURN ELEVATIONS



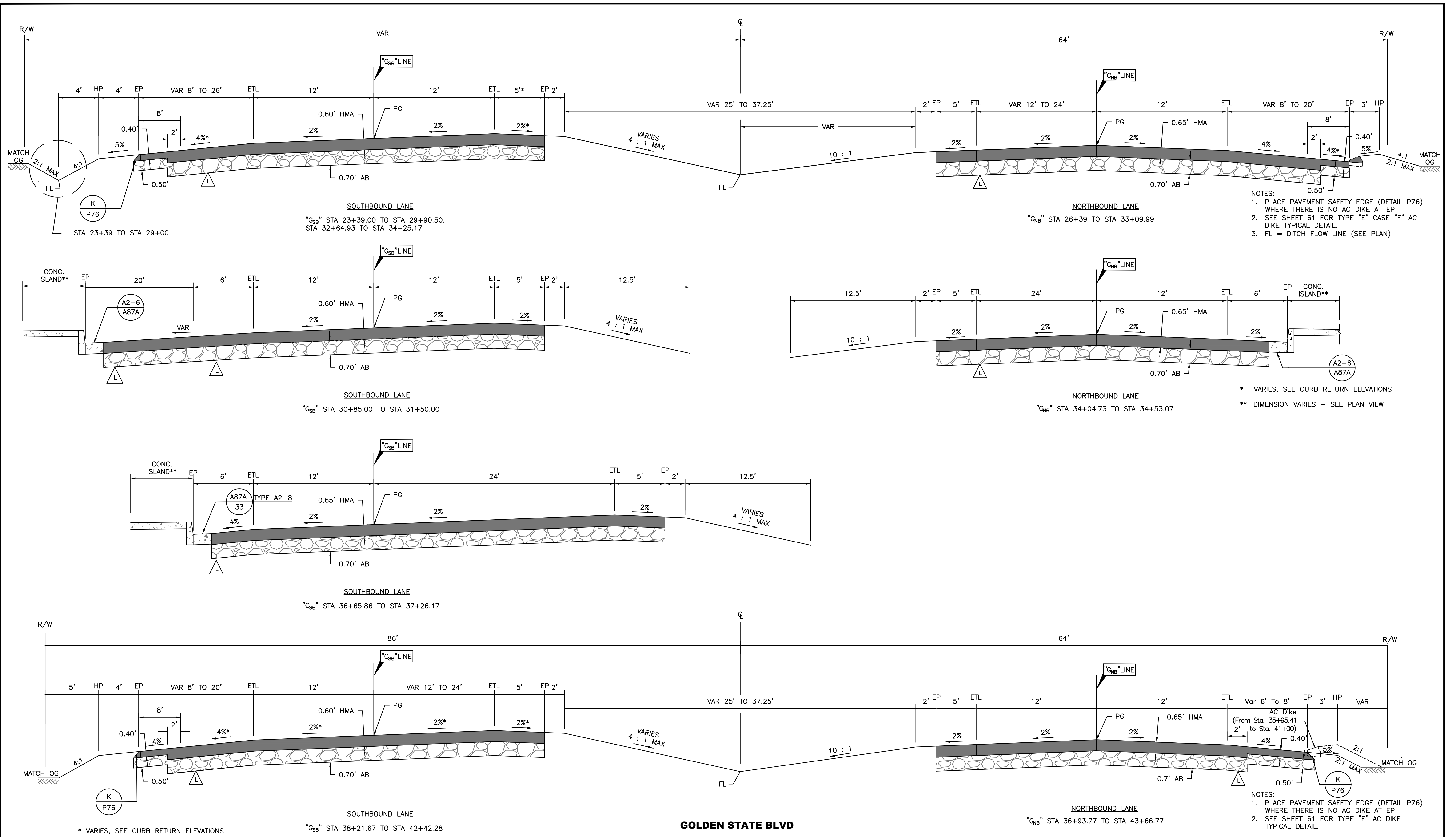
"L" STA 128+10 TO STA 134+11.12



"L" STA 134+00.00 TO STA 134+50.00

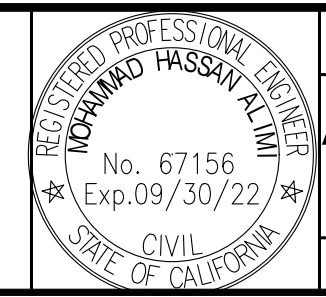
AMERICAN AVENUE

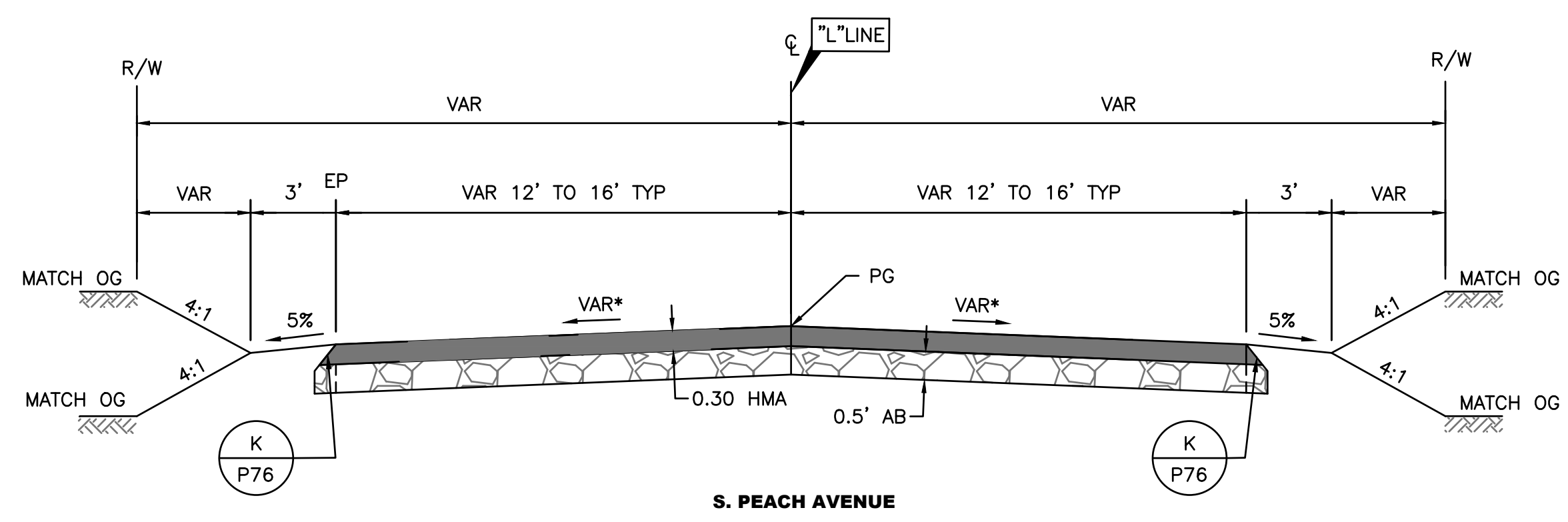
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CHECKED: S.A.	DATE: 07/01/2020				INTERSECTION IMPROVEMENTS		ROAD RECONSTRUCTION
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.					ROAD NO. S0500/D0070		BRIDGE NO. N/A
				SUPERVISING ENGINEER	DATE: 4/9/2021	SHEET NO. 5	
						TOTAL 42	




GOLDEN STATE BLVD

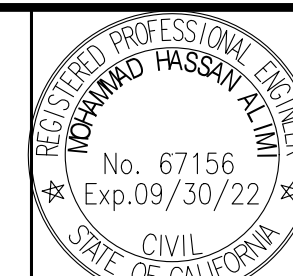
DESIGNED: D.K.		DATE: 10/01/2019		RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		DATE: 12/16/2019		RESIDENT ENGINEER				AMERICAN AVE. AND GOLDEN STATE BLVD.		TYPICAL SECTIONS	
CHECKED: S.A.		DATE: 07/01/2020		DATE		4/9/2021		INTERSECTION IMPROVEMENTS		ROAD RECONSTRUCTION	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.				SUPERVISING ENGINEER		DATE		ROAD NO. S0500/D0070		DRAWING NO. 11227	
								BRIDGE NO. N/A		SHEET NO. 6	
										TOTAL 42	

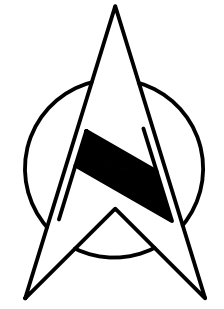




S. PEACH AVENUE

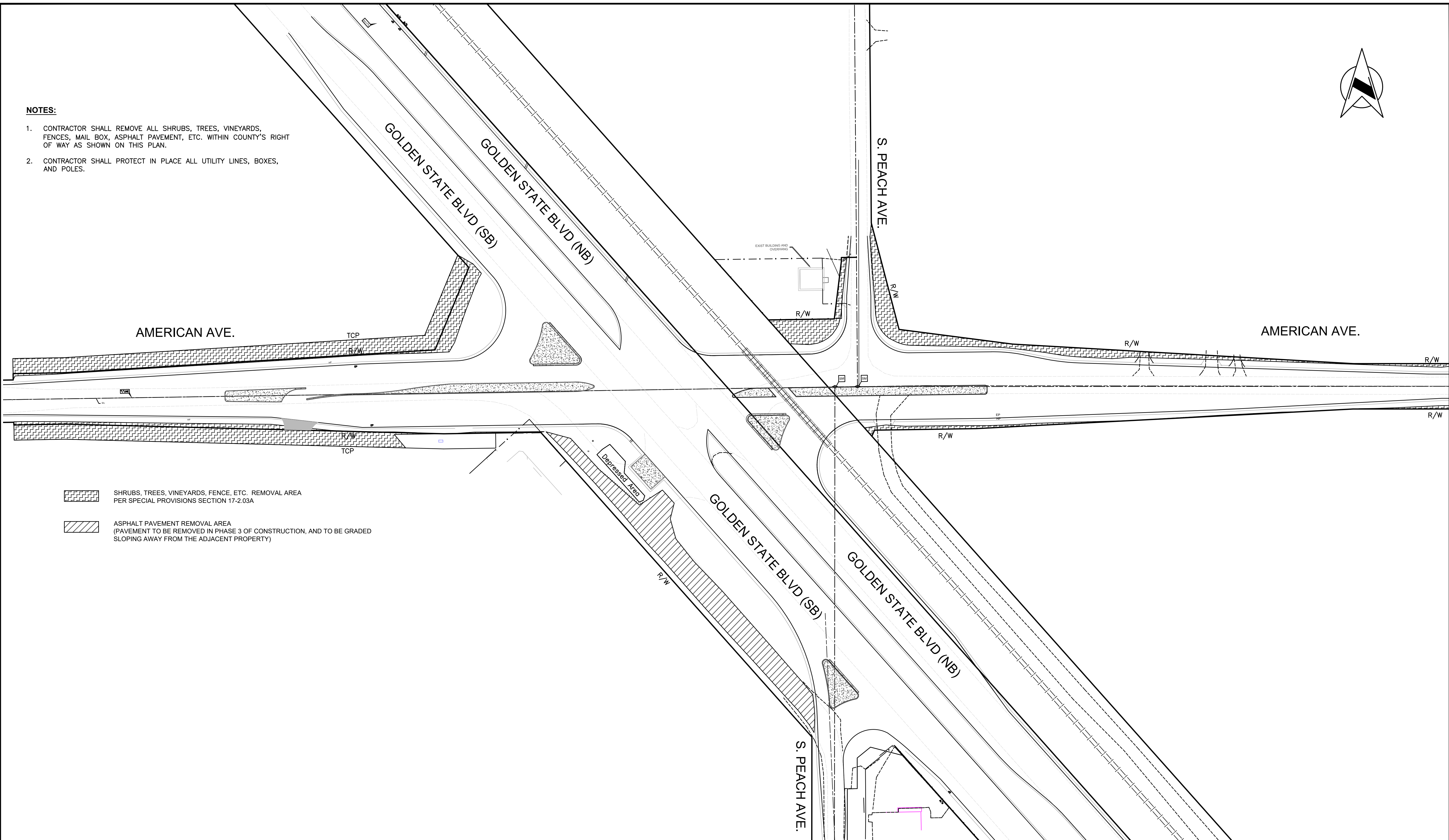
	DATE	RECORD DRAWING		SCALE		PROJECT	DEPARTMENT OF PUBLIC WORKS AND PLANNING			
DESIGNED: D.K.	10/01/2019	RESIDENT ENGINEER	DATE		 SUPERVISING ENGINEER	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	TYPICAL SECTIONS ROAD RECONSTRUCTION			
DRAWN: I.M./J.D.	12/16/2019			4/9/2021						
CHECKED: S.A.	07/01/2020			DATE						
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.						ROAD NO. S0500/D0070	BRIDGE NO. N/A	DRAWING NO. 11227	SHEET NO. 7	TOTAL 42





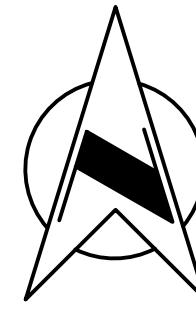
NOTES:

1. CONTRACTOR SHALL REMOVE ALL SHRUBS, TREES, VINEYARDS, FENCES, MAIL BOX, ASPHALT PAVEMENT, ETC. WITHIN COUNTY'S RIGHT OF WAY AS SHOWN ON THIS PLAN.
2. CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITY LINES, BOXES, AND POLES.



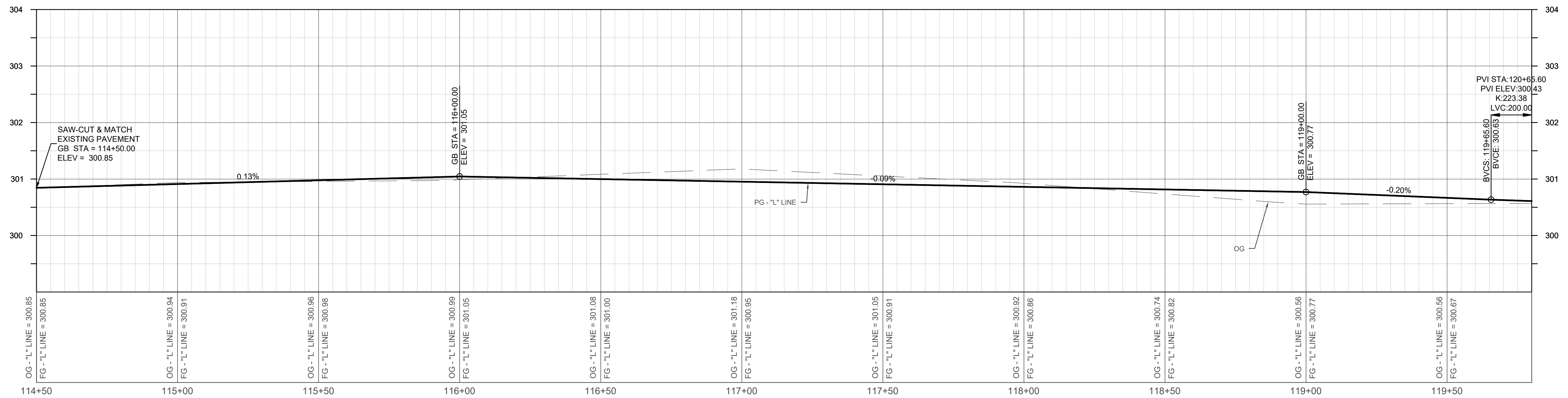
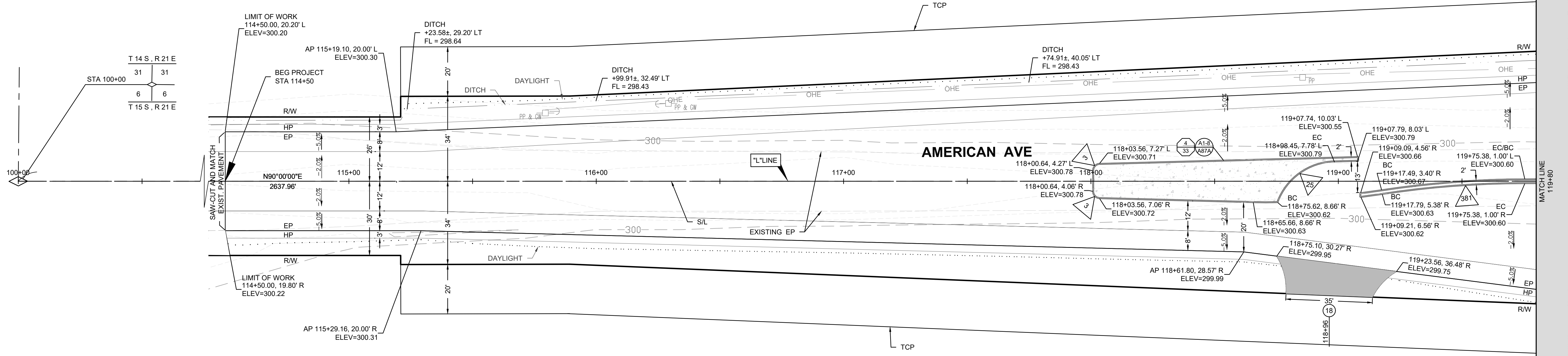
- SHRUBS, TREES, VINEYARDS, FENCE, ETC. REMOVAL AREA PER SPECIAL PROVISIONS SECTION 17-2.03A
- ASPHALT PAVEMENT REMOVAL AREA (PAVEMENT TO BE REMOVED IN PHASE 3 OF CONSTRUCTION, AND TO BE GRADED SLOPING AWAY FROM THE ADJACENT PROPERTY)

	DATE	RECORD DRAWING	SCALE				
DESIGNED: D.K.	10/01/2019	RESIDENT ENGINEER	0 60' 120'	<i>Yusef H. Alami</i>	4/9/2021	PROJECT	DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	12/16/2019			SUPERVISING ENGINEER	DATE	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	DEMOLITION PLAN AMERICAN AVENUE AND GOLDEN STATE BLVD
CHECKED: S.A.	07/01/2020					ROAD NO. S0500/D0070	DRAWING NO. 11227
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.					BRIDGE NO. N/A		SHEET NO. 8
							TOTAL 42



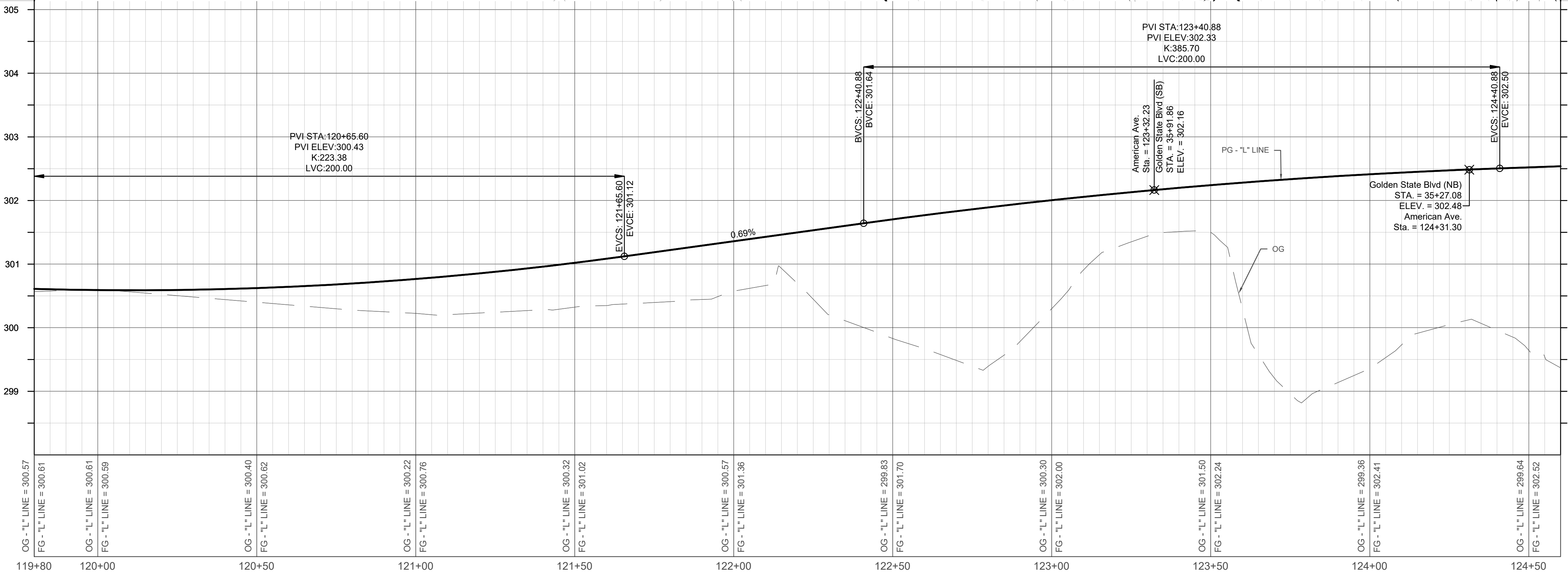
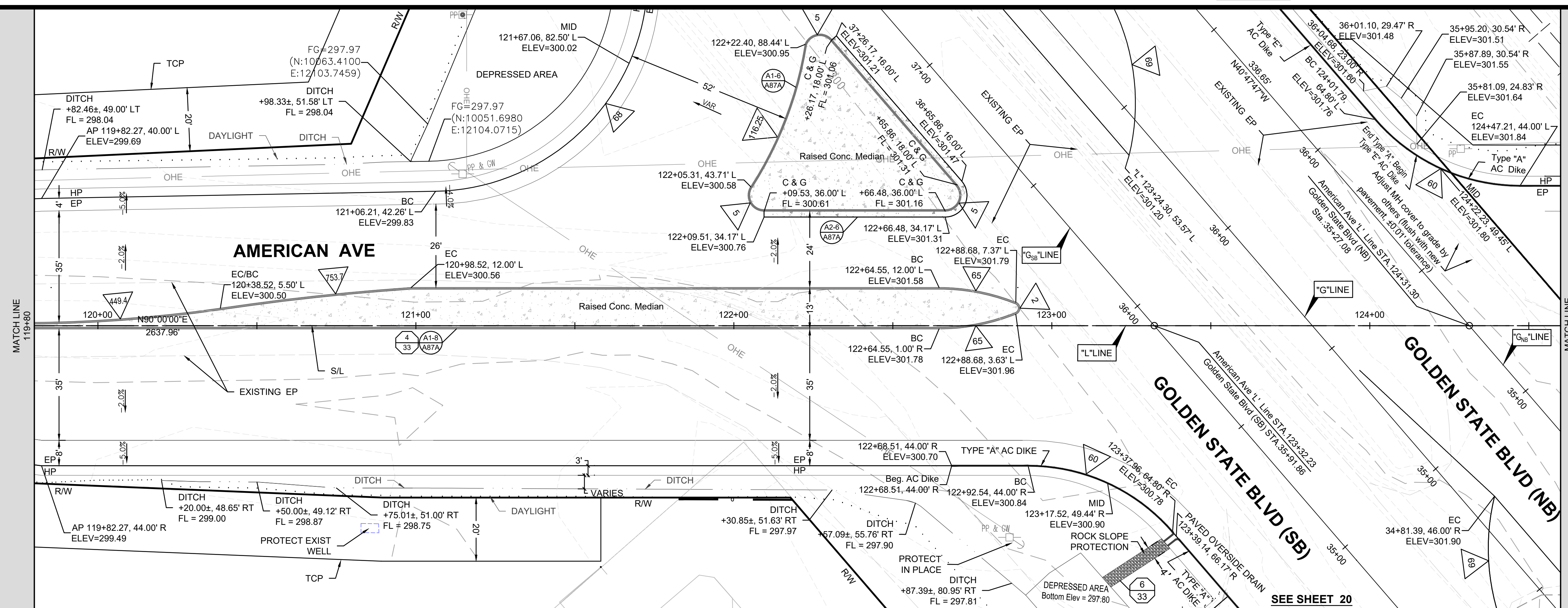
BASIS OF BEARINGS:
 THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 31, T14S, R21E,
 M.D.B.&M. IS ASSUMED TO BE N90° 00' 00"E.

BASIS OF ELEVATION:
 FRESNO COUNTY BENCHMARK LL 21 1/2, A USC&GS BRASS CAP STAMPED
 A369 RESET 1953, AT THE NORTHWEST CORNER OF PEACH AND AMERICAN AVENUES, 159'
 NORTHWEST OF THE SECTION CORNER AND 40' NORTHEAST OF
 THE RAILROAD TRACKS, WITH A PUBLISHED ELEVATION OF 299.211'.

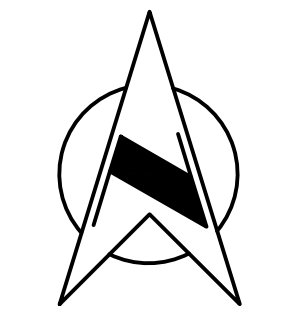


DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE	PLAN		AMERICAN AVE. AND GOLDEN STATE BLVD.		PLAN AND PROFILE - AMERICAN	
CHECKED: S.A.	DATE: 07/01/2020			PROFILE		INTERSECTION IMPROVEMENTS		Road Reconstruction	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.									
				SUPERVISING ENGINEER		ROAD NO. S0500/D0070	BRIDGE NO. N/A		TOTAL 42

SEE SHEET 15



OG - "L" LINE = 300.57 FG - "L" LINE = 300.61	OG - "L" LINE = 300.61 FG - "L" LINE = 300.59	OG - "L" LINE = 300.40 FG - "L" LINE = 300.62	OG - "L" LINE = 300.22 FG - "L" LINE = 300.76	OG - "L" LINE = 300.32 FG - "L" LINE = 301.02	OG - "L" LINE = 300.57 FG - "L" LINE = 301.36	OG - "L" LINE = 299.83 FG - "L" LINE = 301.70	OG - "L" LINE = 300.30 FG - "L" LINE = 302.00	OG - "L" LINE = 301.50 FG - "L" LINE = 302.24	OG - "L" LINE = 299.36 FG - "L" LINE = 302.41	OG - "L" LINE = 299.64 FG - "L" LINE = 302.52
119+80	120+00	120+50	121+00	121+50	122+00	122+50	123+00	123+50	124+00	124+50



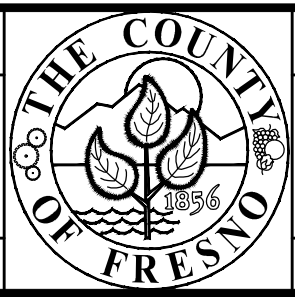
DESIGNED: D.K.	DATE: 10/01/2019	RESIDENT ENGINEER	DATE:
DRAWN: I.M./J.D.	DATE: 12/16/2019		
CHECKED: S.A.	DATE: 07/01/2020		

RECORD DRAWING	
SCALE	DATE: 4/9/2021
PLAN: 0 20' 40' HZ	
PROFILE: 0 1' 2' VT	

[Signature]
SUPERVISING ENGINEER

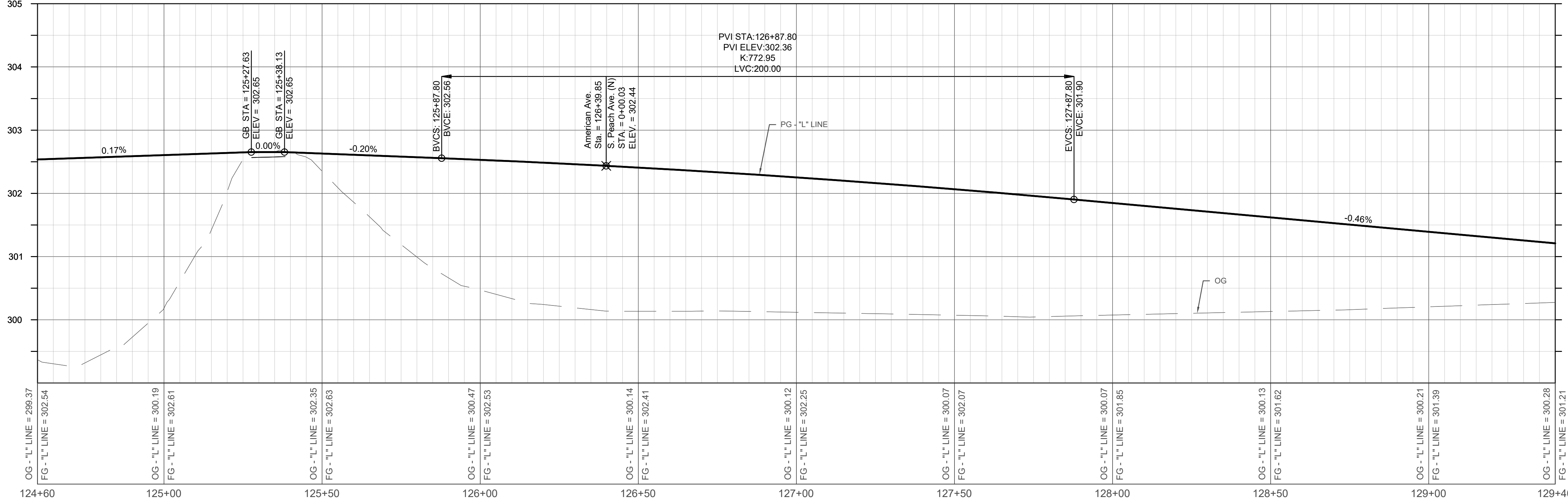
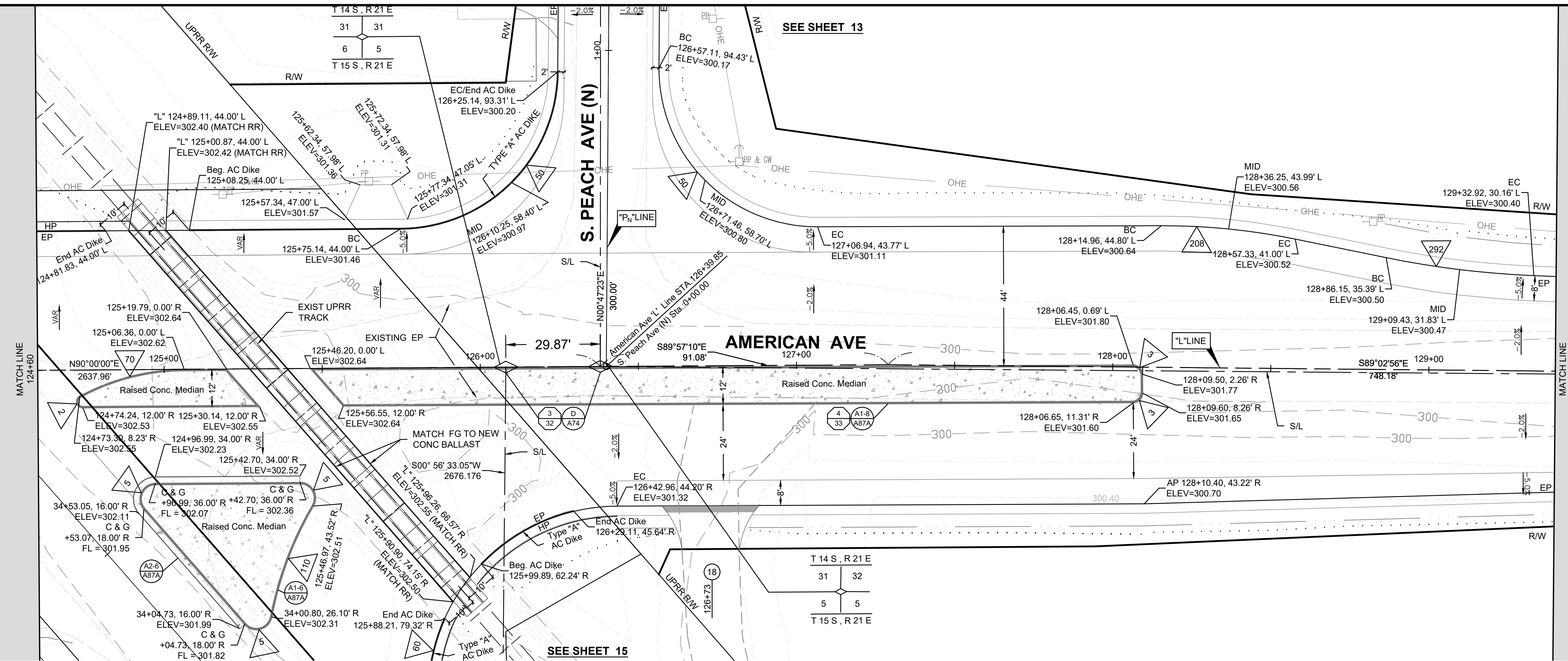
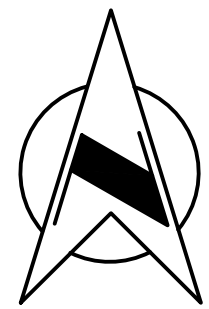
REGISTERED PROFESSIONAL ENGINEER
MORNING PASSANT
No. 67156
Exp. 09/30/22
CIVIL
STATE OF CALIFORNIA

PROJECT	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS
ROAD NO.	S0500/D0070
BRIDGE NO.	N/A

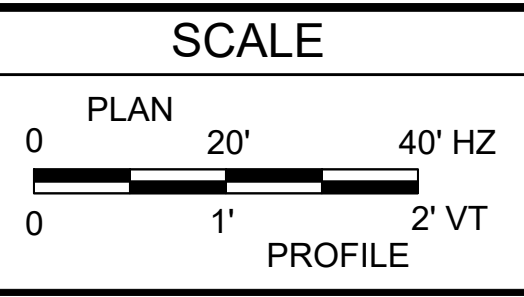


DEPARTMENT OF PUBLIC WORKS AND PLANNING	
PLAN AND PROFILE - AMERICAN Road Reconstruction	
DRAWING NO. 11227	SHEET NO. 10
TOTAL 42	

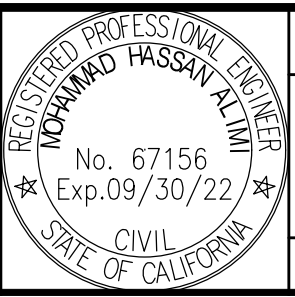
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



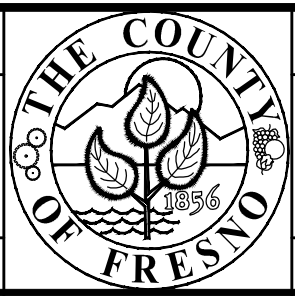
DATE	DESIGNED: D.K.	10/01/2019	RESIDENT ENGINEER	DATE
12/16/2019	DRAWN: I.M./J.D.			
07/01/2020	CHECKED: S.A.			



[Signature]
 SUPERVISING ENGINEER
 4/9/2021
 DATE

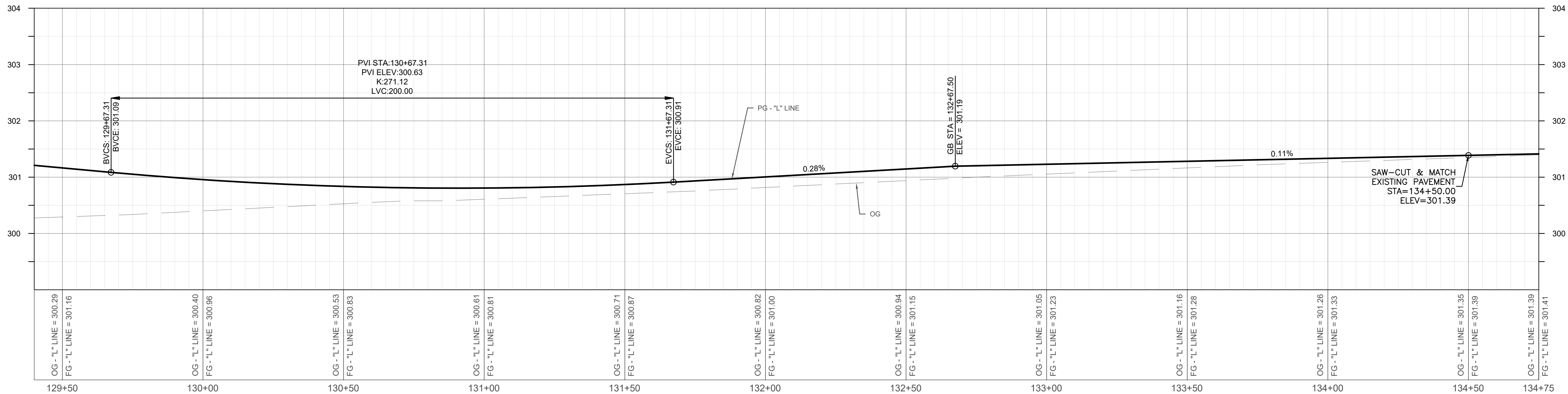
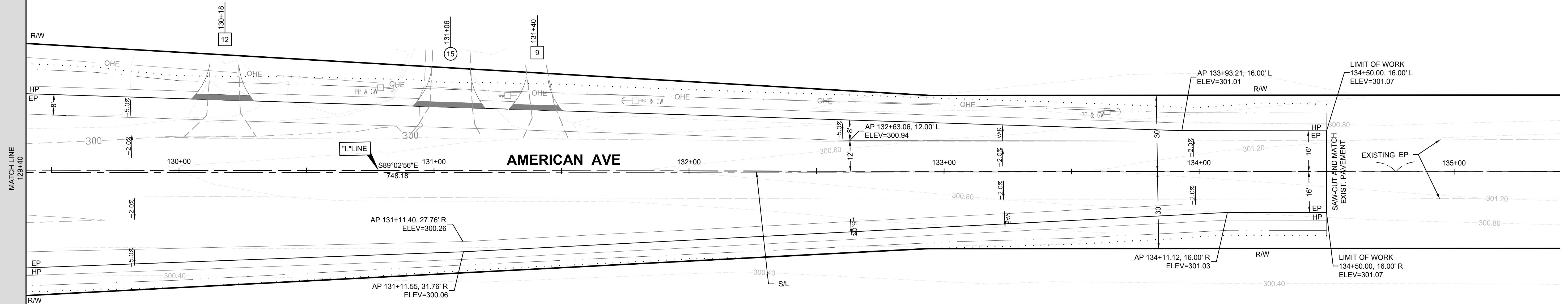
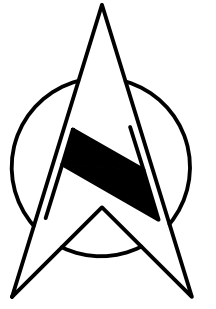



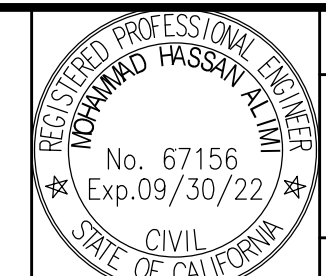

PROJECT
AMERICAN AVE. AND GOLDEN STATE BLVD.
 INTERSECTION IMPROVEMENTS
 ROAD NO. S0500/D0070 BRIDGE NO. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING
PLAN AND PROFILE - AMERICAN
 Road Reconstruction
 DRAWING NO. 11227 SHEET NO. 11 TOTAL 42

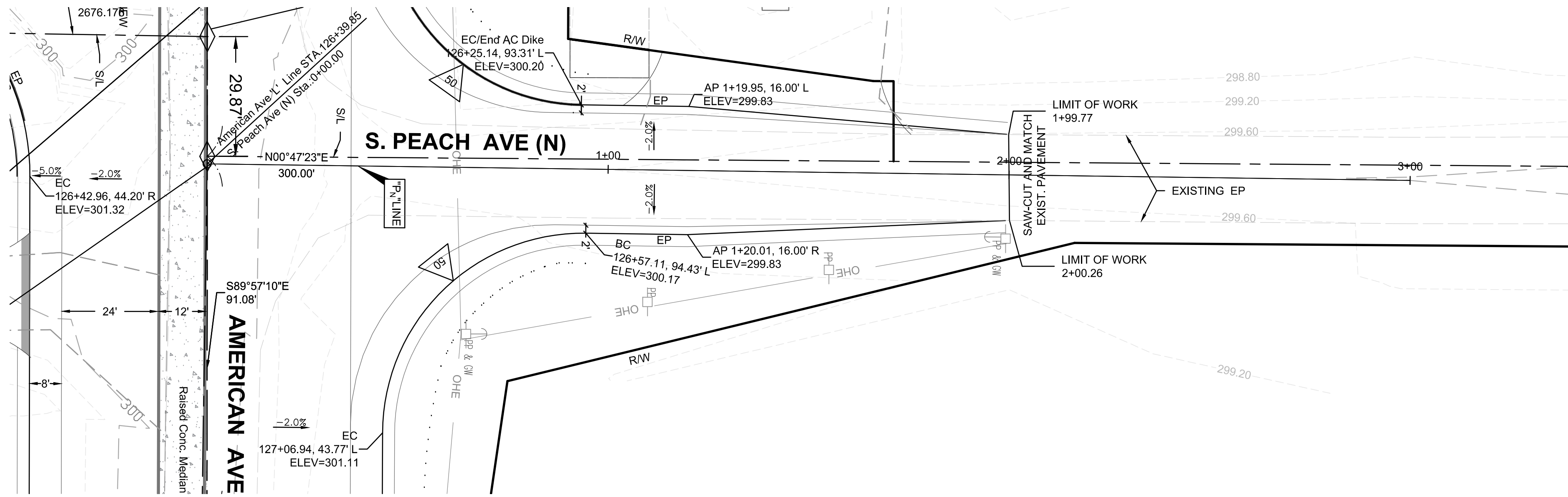
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



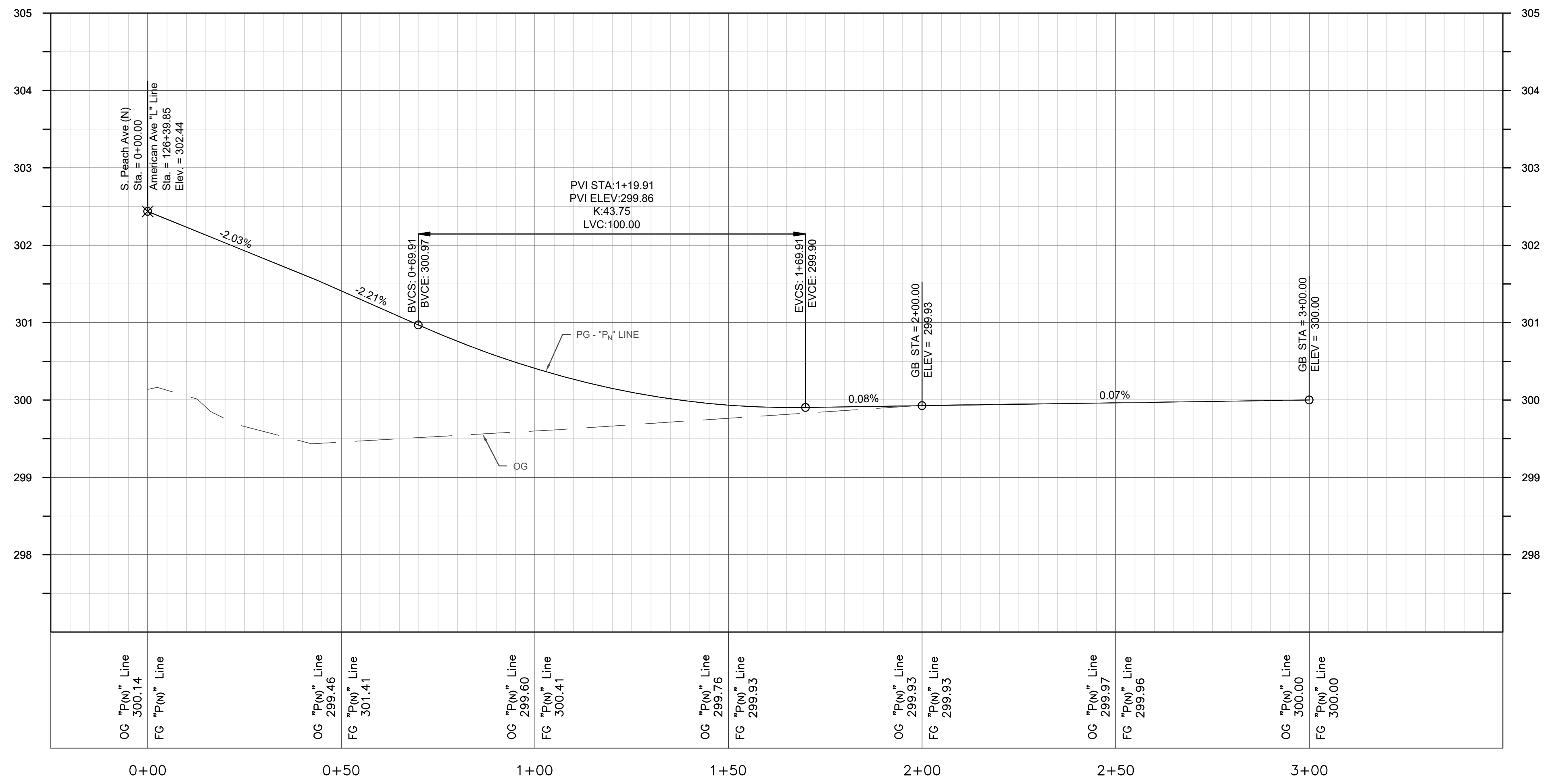
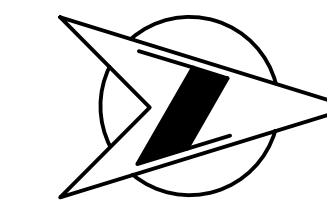
DESIGNED: D.K.		DATE: 10/01/2019	RECORD DRAWING		SCALE		 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING			
DRAWN: I.M./J.D.		DATE: 12/16/2019	RESIDENT ENGINEER		PLAN 20' 40' HZ PROFILE 1' 2' VT					AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS			PLAN AND PROFILE - AMERICAN Road Reconstruction			
CHECKED: S.A.		DATE: 07/01/2020	DATE							ROAD NO. S0500/D0070			BRIDGE NO. N/A		DRAWING NO. 11227	

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

SEE SHEET 10

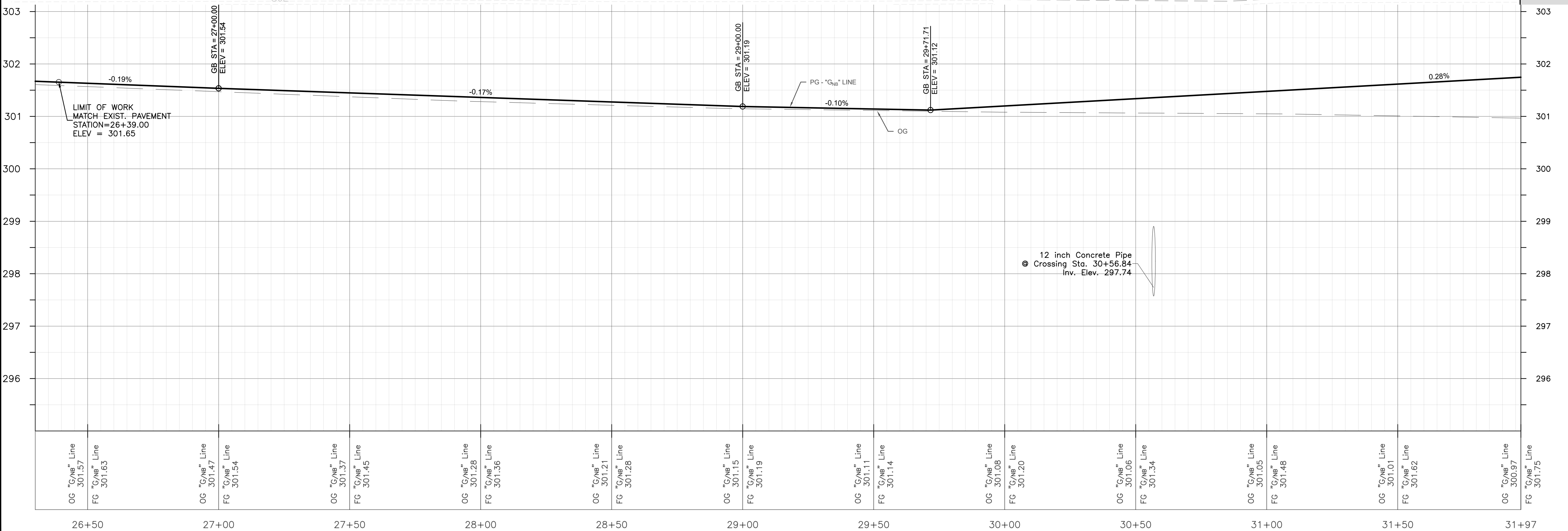
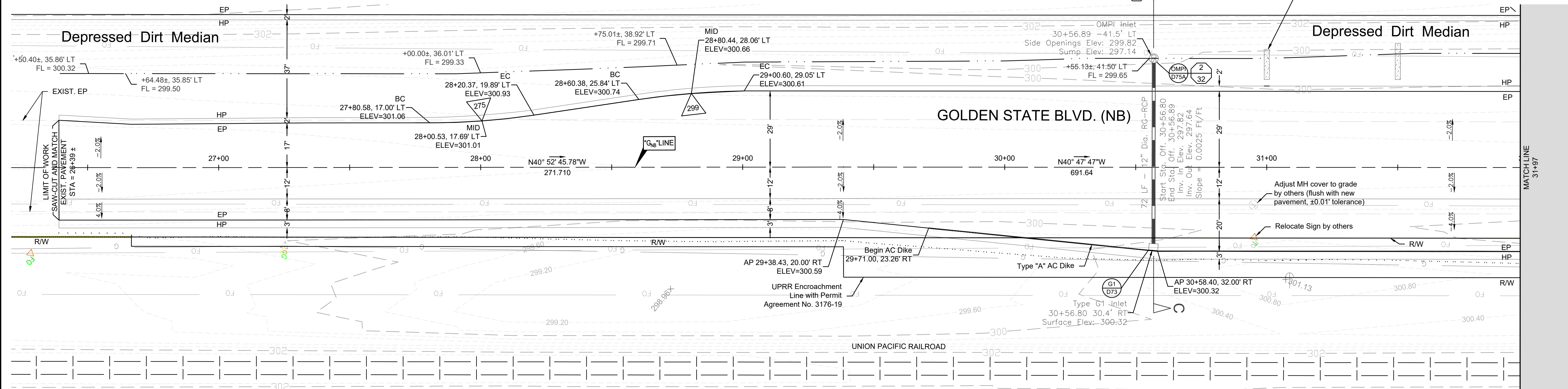


SEE SHEET 10



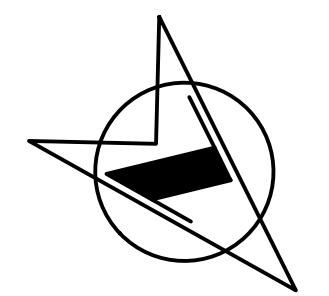
DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE	 SUPERVISING ENGINEER DATE: 4/9/2021		PROJECT	DEPARTMENT OF PUBLIC WORKS AND PLANNING PLAN AND PROFILE - PEACH AVE (N) Road Reconstruction
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	SCALE: 0' PLAN 20' 40' HZ, 0' PROFILE 1' 2' VT	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS				
CHECKED: S.A.	DATE: 07/01/2020	DATE	FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.	ROAD NO. S0500/D0070			BRIDGE NO. N/A	

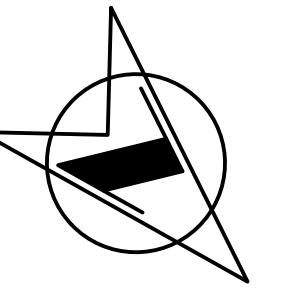
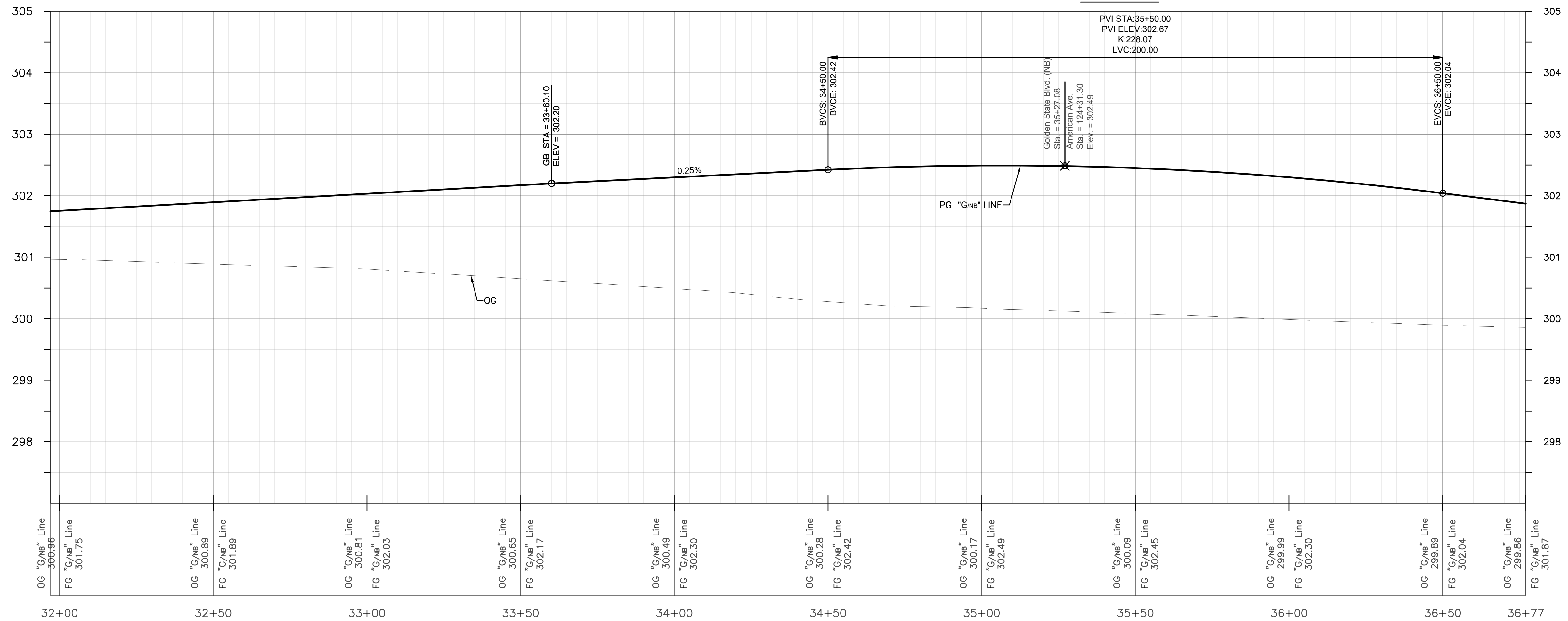
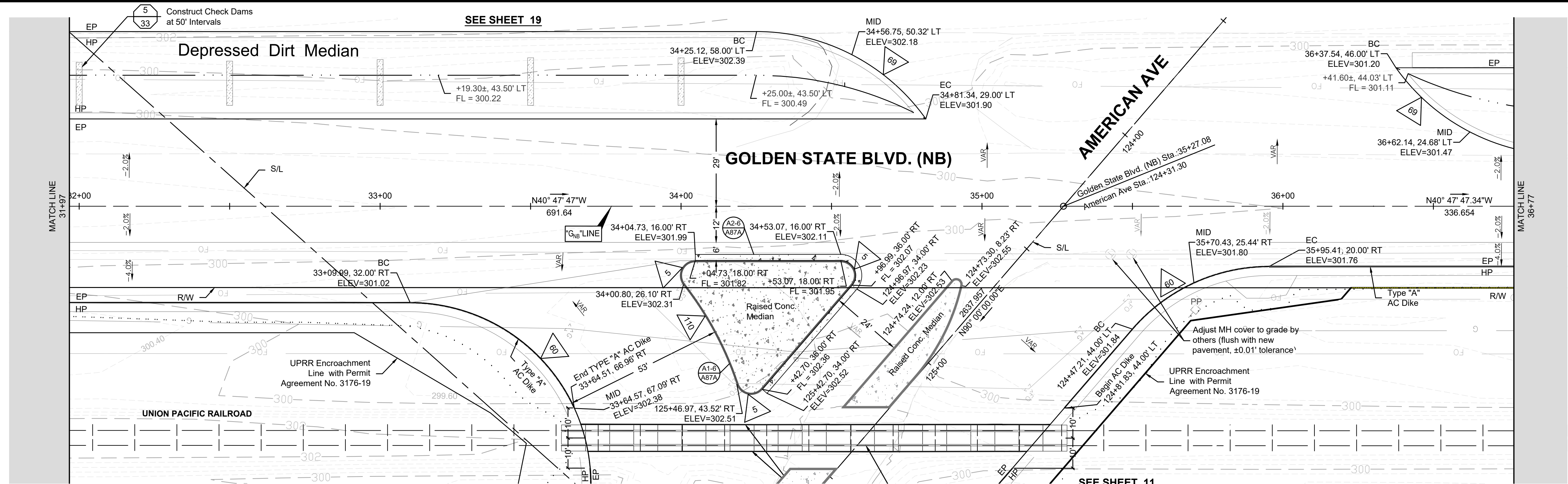
GOLDEN STATE BLVD. (SB) SEE SHEET 19



OG "G/NB" Line 301.57	FG "G/NB" Line 301.63	OG "G/NB" Line 301.47	FG "G/NB" Line 301.54	OG "G/NB" Line 301.37	FG "G/NB" Line 301.45	OG "G/NB" Line 301.28	FG "G/NB" Line 301.36	OG "G/NB" Line 301.21	FG "G/NB" Line 301.28	OG "G/NB" Line 301.15	FG "G/NB" Line 301.19	OG "G/NB" Line 301.11	FG "G/NB" Line 301.14	OG "G/NB" Line 301.08	FG "G/NB" Line 301.20	OG "G/NB" Line 301.06	FG "G/NB" Line 301.34	OG "G/NB" Line 301.05	FG "G/NB" Line 301.48	OG "G/NB" Line 301.01	FG "G/NB" Line 301.62	OG "G/NB" Line 300.97	FG "G/NB" Line 301.75
26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	31+97												

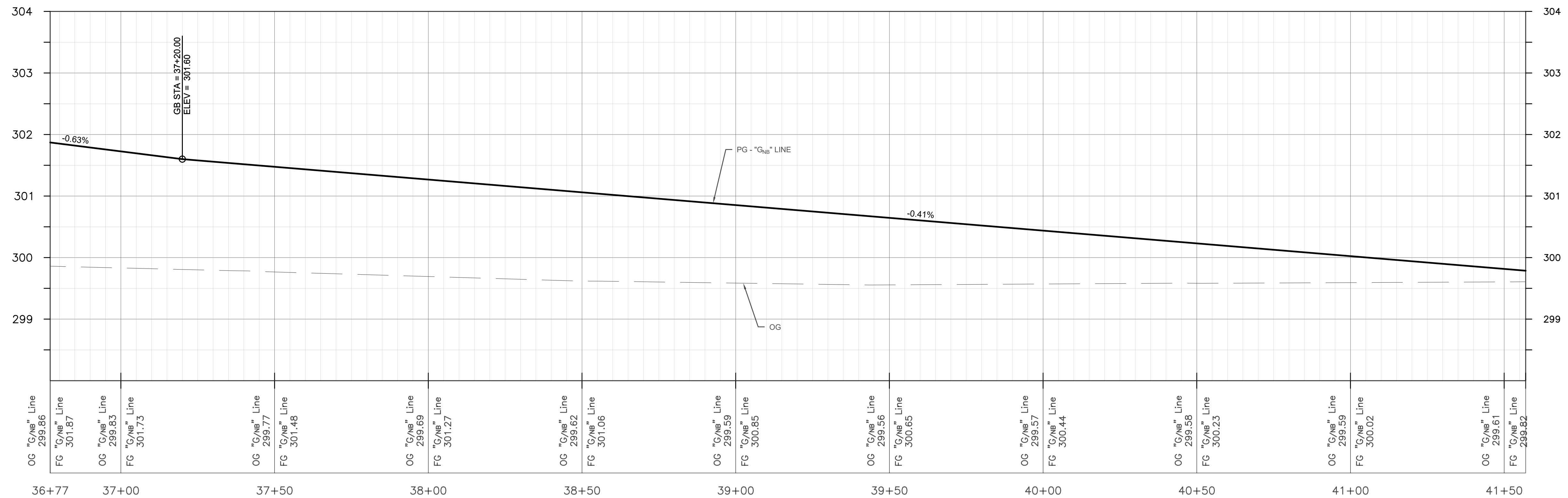
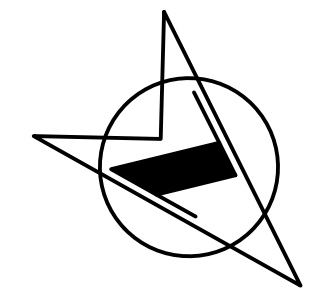
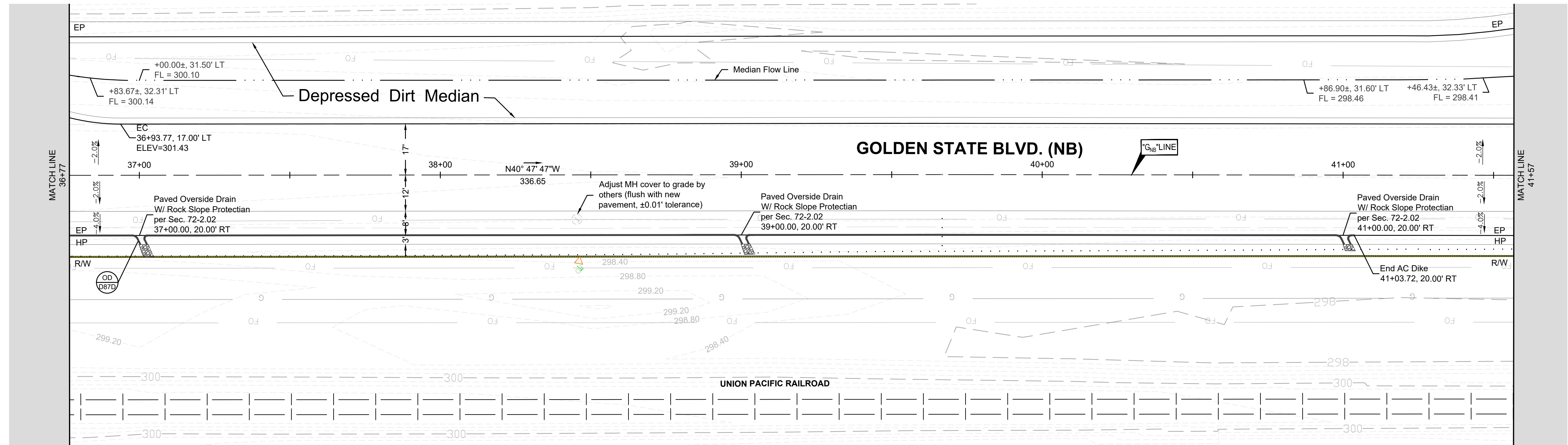
DESIGNED: D.K.	DATE: 10/01/2019	RESIDENT ENGINEER	DATE		 SUPERVISING ENGINEER	4/9/2021	DATE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	12/16/2019					AMERICAN AVE. AND GOLDEN STATE BLVD.	INTERSECTION IMPROVEMENTS		PLAN AND PROFILE - GOLDEN STATE BLVD (NB)		
CHECKED: S.A.	07/01/2020					ROAD NO. S0500/D0070	BRIDGE NO. N/A		Road Reconstruction		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.											





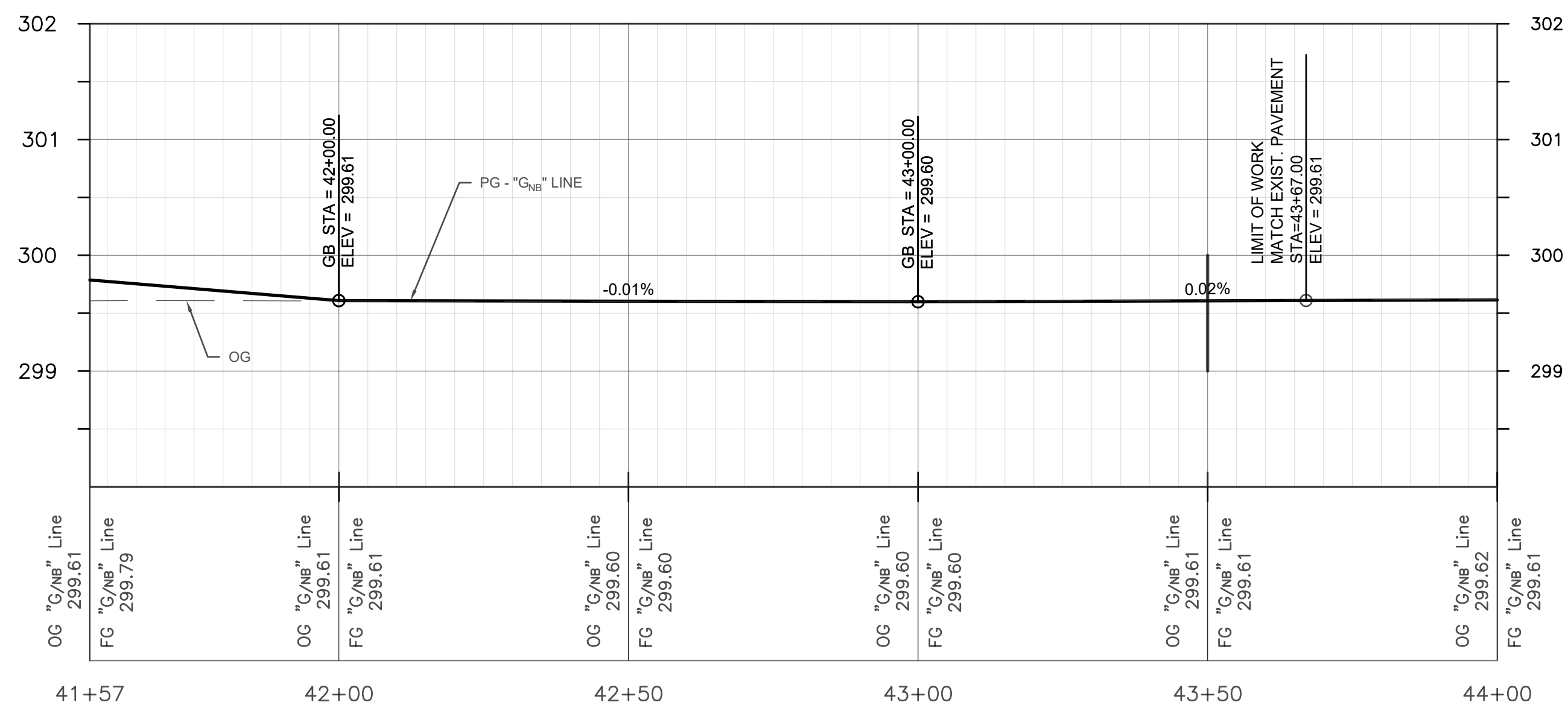
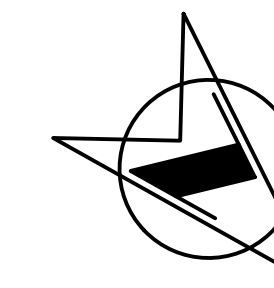
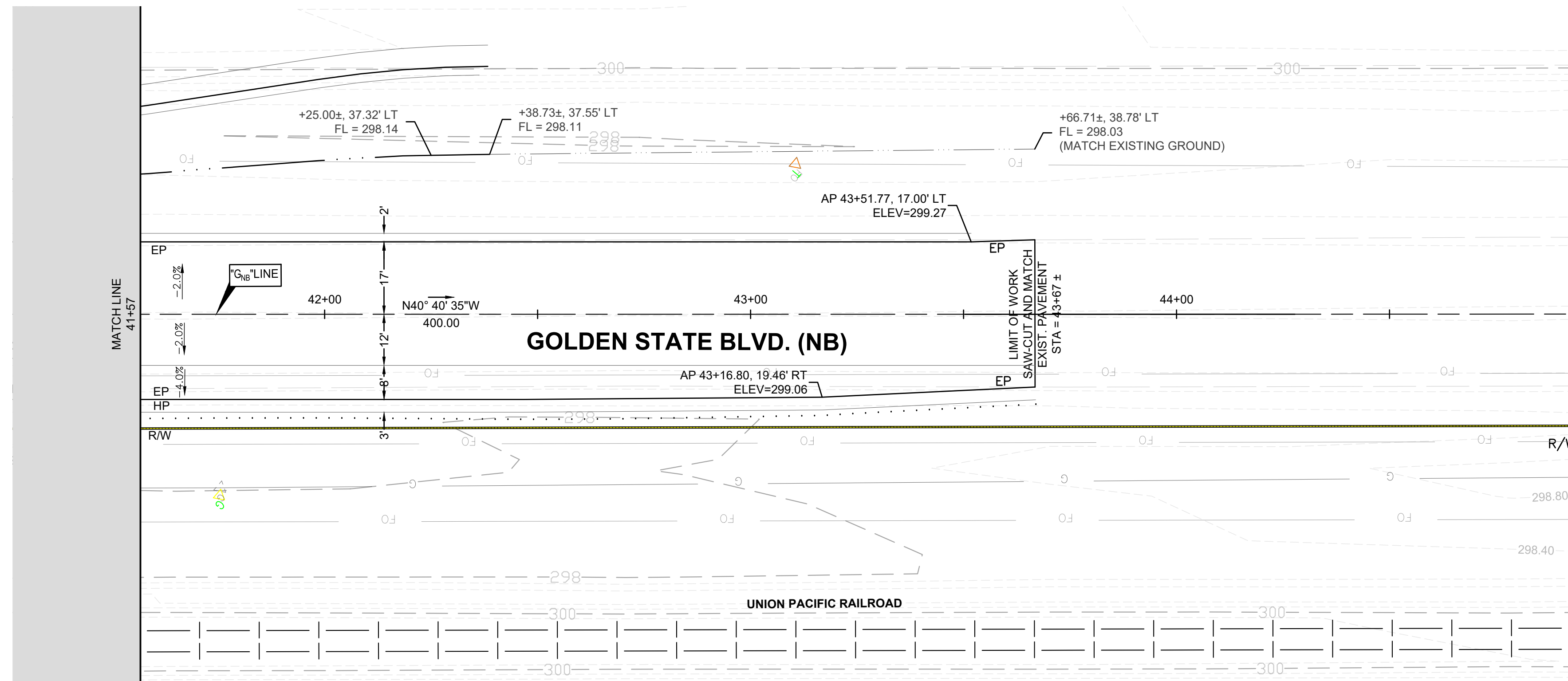
DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE		 SUPERVISING ENGINEER	4/9/2021 DATE	 PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	 DEPARTMENT OF PUBLIC WORKS AND PLANNING PLAN AND PROFILE - GOLDEN STATE BLVD (NB) Road Reconstruction	
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE	PLAN 20' 40' HZ PROFILE 1' 2' VT	ROAD NO. S0500/D0070					BRIDGE NO. N/A
CHECKED: S.A.	DATE: 07/01/2020				DRAWING NO. 11227					SHEET NO. 15


FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



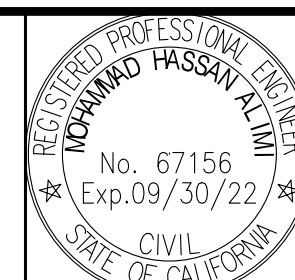
DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE	 PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	 DEPARTMENT OF PUBLIC WORKS AND PLANNING PLAN AND PROFILE - GOLDEN STATE BLVD (NB) Road Reconstruction		
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE	0 PLAN 20' 40' HZ 0 1' 2' VT PROFILE					ROAD NO. S0500/D0070	BRIDGE NO. N/A
CHECKED: S.A.	DATE: 07/01/2020								DRAWING NO. 11227	SHEET NO. 16

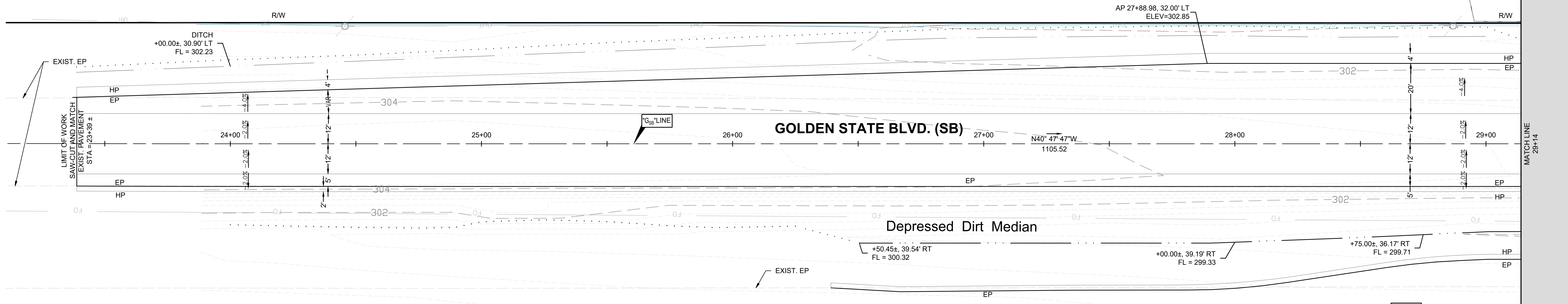
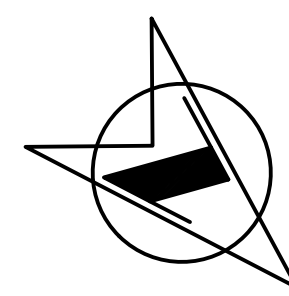
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



DESIGNED: D.K.		DATE: 10/01/2019	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		DATE: 12/16/2019	RESIDENT ENGINEER	DATE	PLAN 20' 40' HZ 0 1' 2' VT PROFILE		AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		PLAN AND PROFILE - GOLDEN STATE BLVD (NB) Road Reconstruction	
CHECKED: S.A.		DATE: 07/01/2020			 SUPERVISING ENGINEER		ROAD NO. S0500/D0070 BRIDGE NO. N/A		DRAWING NO. 11227 SHEET NO. 17 TOTAL 42	

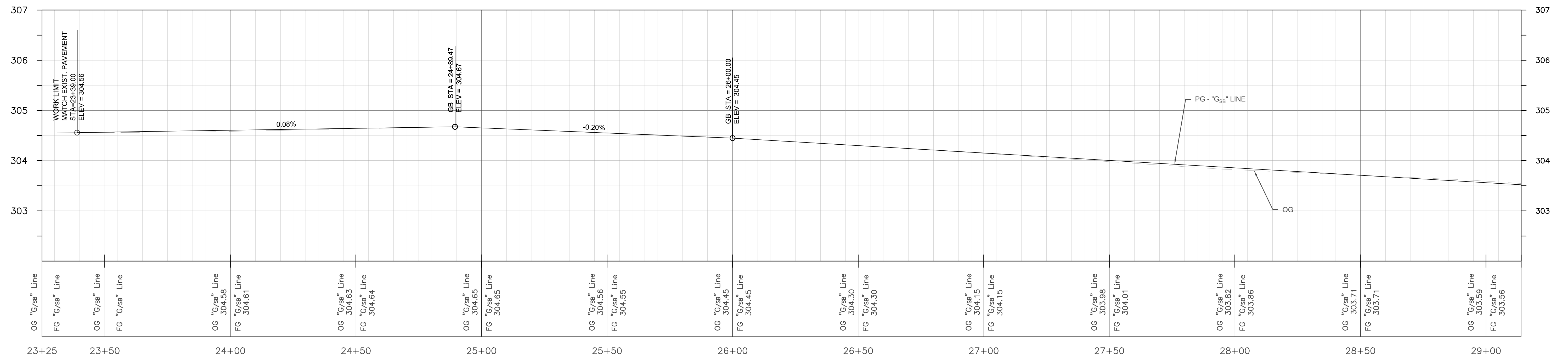
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



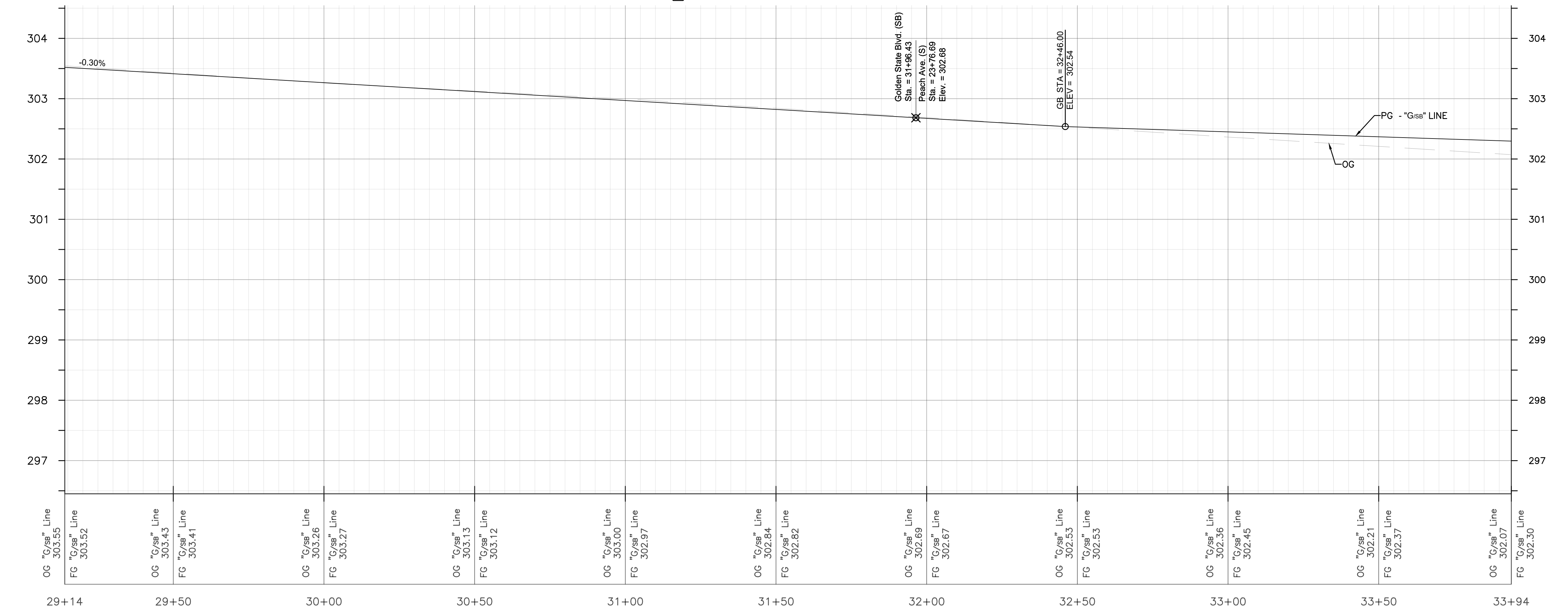
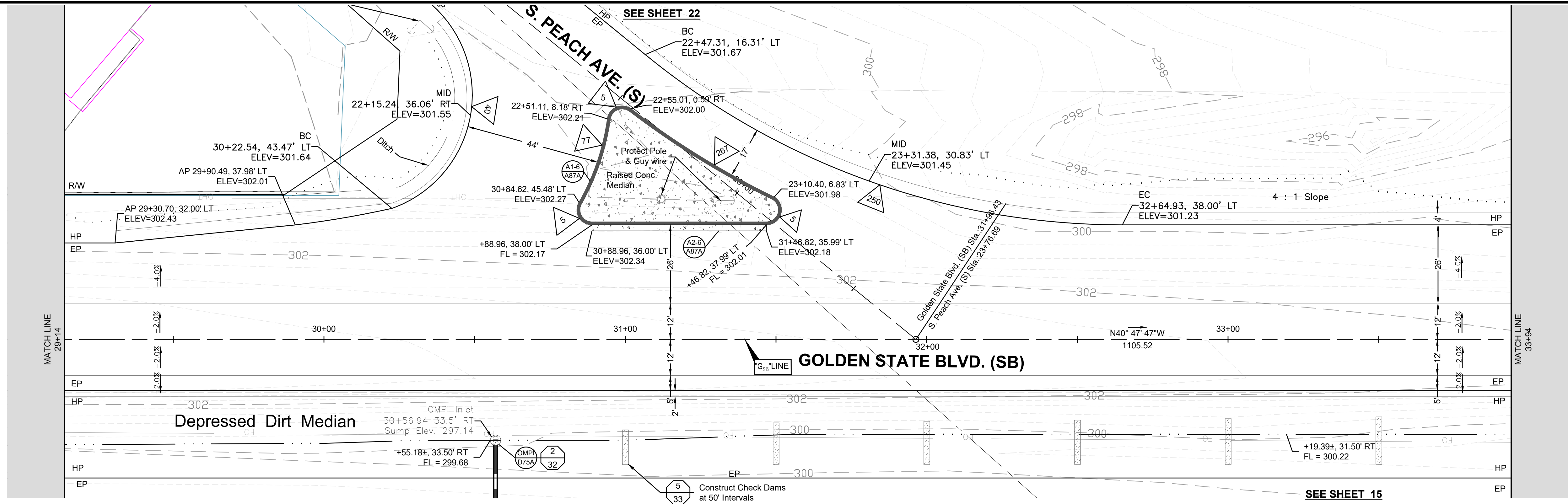


GOLDEN STATE BLVD. (NB)

SEE SHEET 14

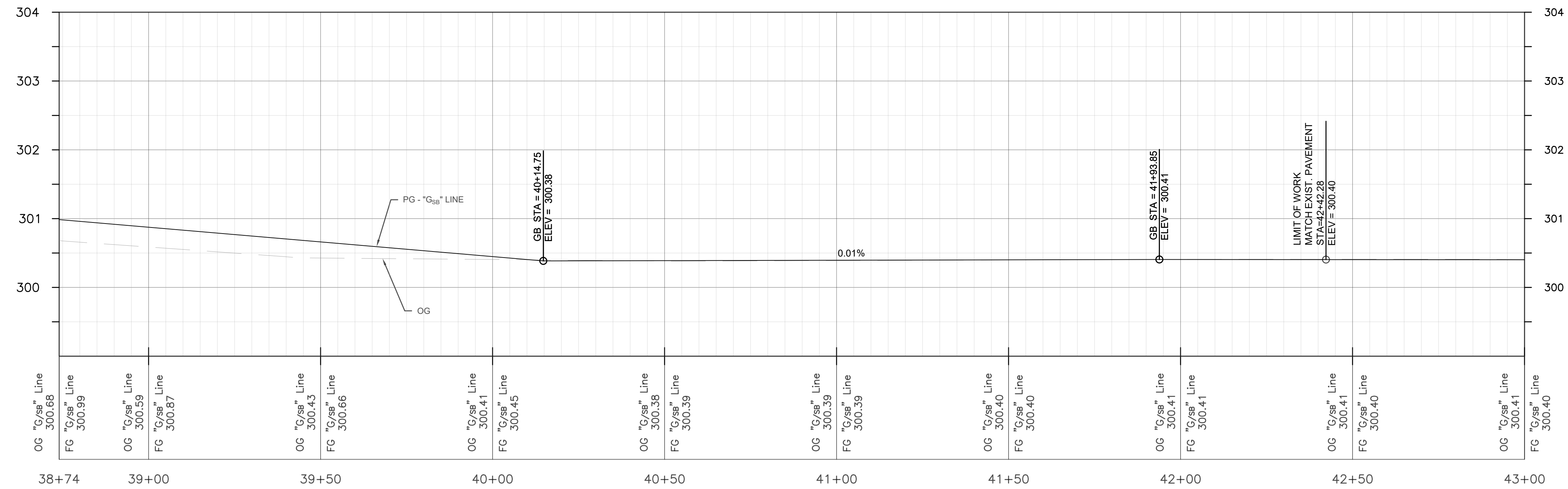
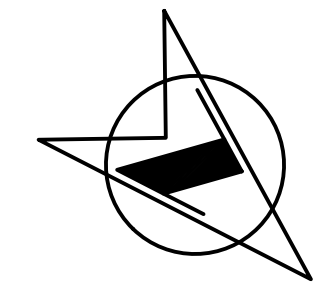
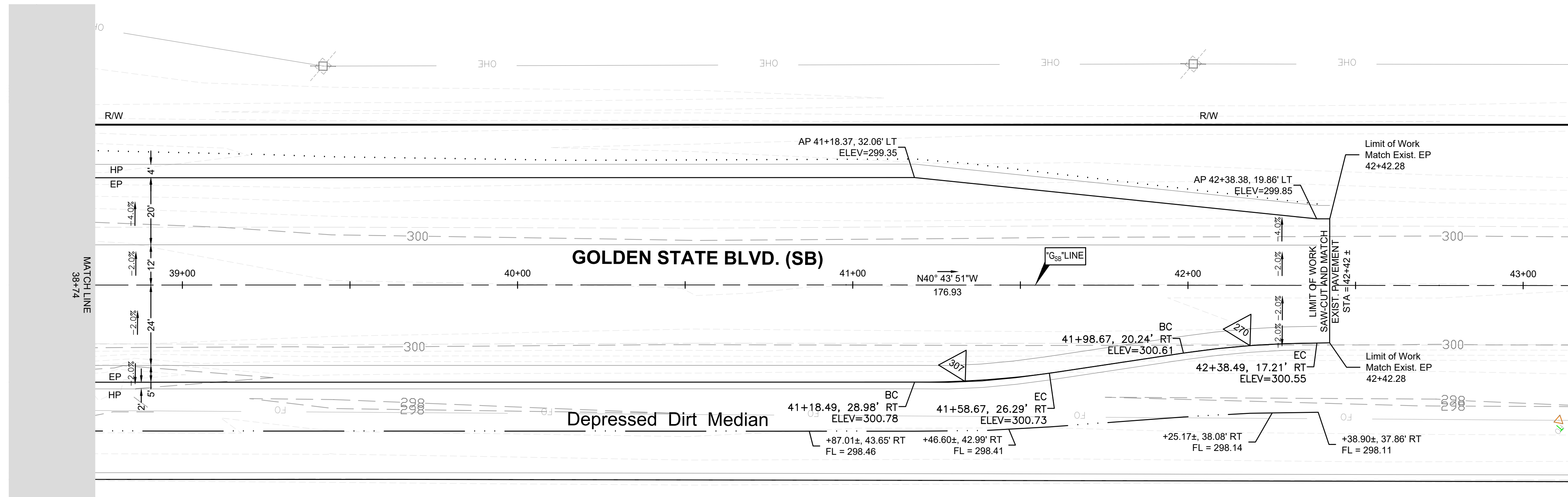



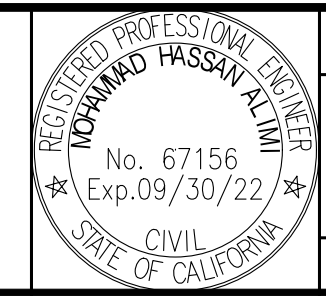

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE	AMERICAN AVE. AND GOLDEN STATE BLVD.				PLAN AND PROFILE - GOLDEN STATE BLVD (SB)		
CHECKED: S.A.	DATE: 07/01/2020			INTERSECTION IMPROVEMENTS				Road Reconstruction		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.										
				PLAN 20' 40' HZ			ROAD NO. S0500/D0070		BRIDGE NO. N/A	
				PROFILE 2' VT			DRAWING NO. 11227		SHEET NO. 18	
							TOTAL 42			

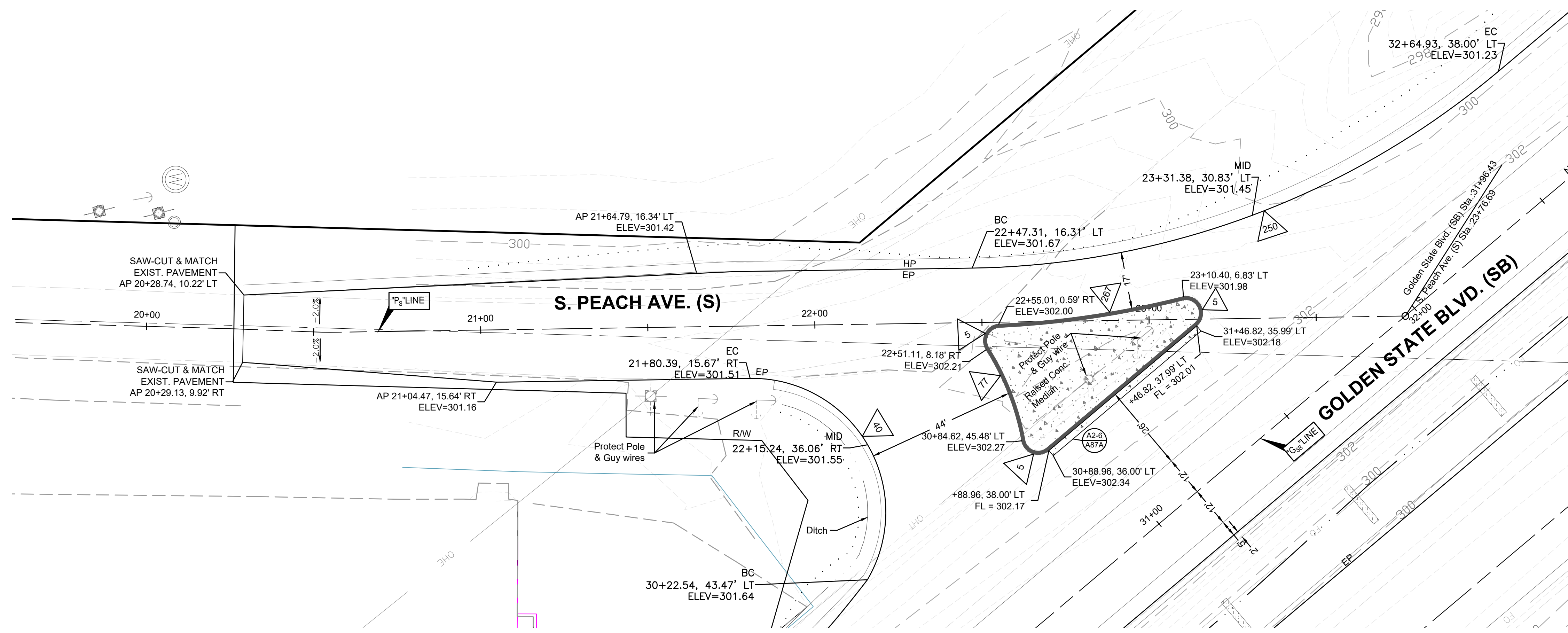


OG "G/sb" Line 303.55	OG "G/sb" Line 303.43	OG "G/sb" Line 303.26	OG "G/sb" Line 303.13	OG "G/sb" Line 303.00	OG "G/sb" Line 302.84	OG "G/sb" Line 302.69	OG "G/sb" Line 302.53	OG "G/sb" Line 302.36	OG "G/sb" Line 302.21	OG "G/sb" Line 302.07
FG "G/sb" Line 303.52	FG "G/sb" Line 303.41	FG "G/sb" Line 303.27	FG "G/sb" Line 303.12	FG "G/sb" Line 302.97	FG "G/sb" Line 302.82	FG "G/sb" Line 302.67	FG "G/sb" Line 302.55	FG "G/sb" Line 302.45	FG "G/sb" Line 302.37	FG "G/sb" Line 302.30
29+14	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	33+94

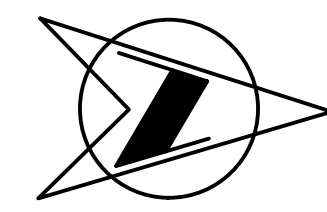
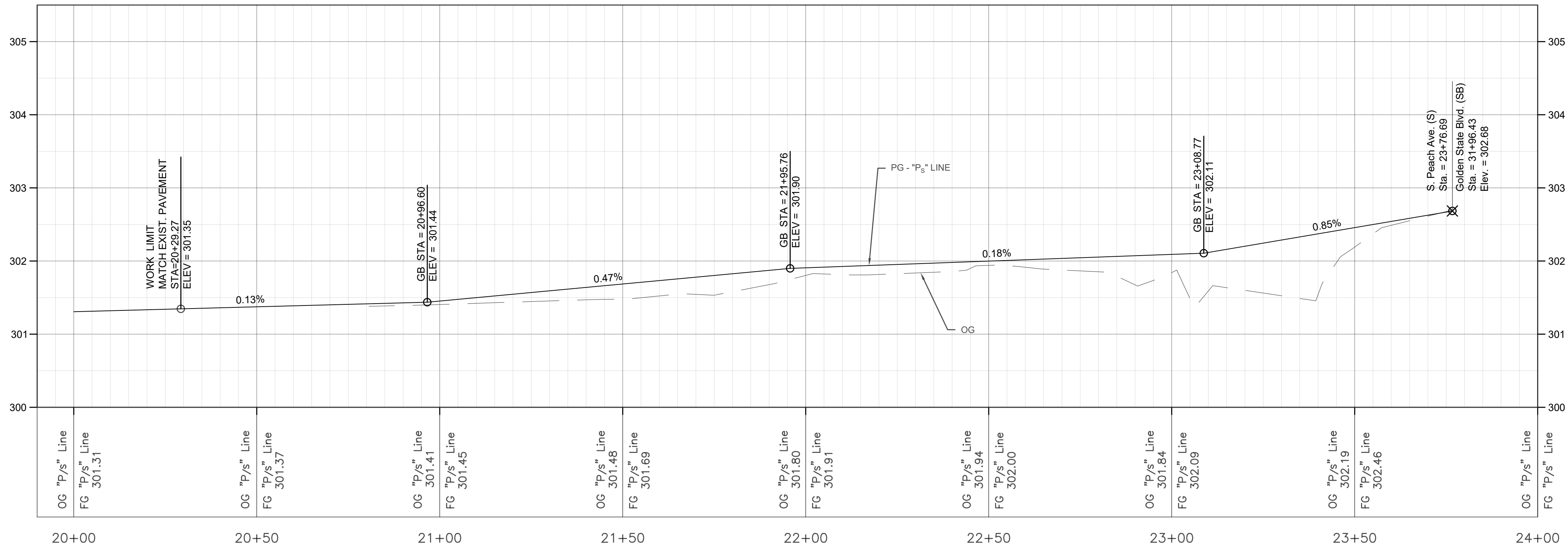
DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING		
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	DATE	SCALE		AMERICAN AVE. AND GOLDEN STATE BLVD.		PLAN AND PROFILE - GOLDEN STATE BLVD (SB)		
CHECKED: S.A.	DATE: 07/01/2020			SCALE		INTERSECTION IMPROVEMENTS		Road Reconstruction		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.					SUPERVISING ENGINEER	ROAD NO. S0500/D0070	BRIDGE NO. N/A	DRAWING NO. 11227	SHEET NO. 19	TOTAL 42



DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	SCALE	AMERICAN AVE. AND GOLDEN STATE BLVD.				PLAN AND PROFILE - GOLDEN STATE BLVD (SB)		
CHECKED: S.A.	DATE: 07/01/2020		PLAN 20' 40' HZ PROFILE 1' 2' VT	INTERSECTION IMPROVEMENTS				Road Reconstruction		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.										
ROAD NO. S0500/D0070		BRIDGE NO. N/A		DRAWING NO. 11227		SHEET NO. 21		TOTAL 42		



SEE SHEET 27



DESIGNED: D.K.		DATE: 10/01/2019	RECORD DRAWING		SCALE			PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		DATE: 12/16/2019	RESIDENT ENGINEER	DATE				AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS			PLAN AND PROFILE - PEACH AVE (S)	
CHECKED: S.A.		DATE: 07/01/2020			SUPERVISING ENGINEER			ROAD NO. S0500/D0070			Road Reconstruction	
					DATE: 4/9/2021			BRIDGE NO. N/A			DRAWING NO. 11227	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.												
										SHEET NO. 22		TOTAL 42

NOTES

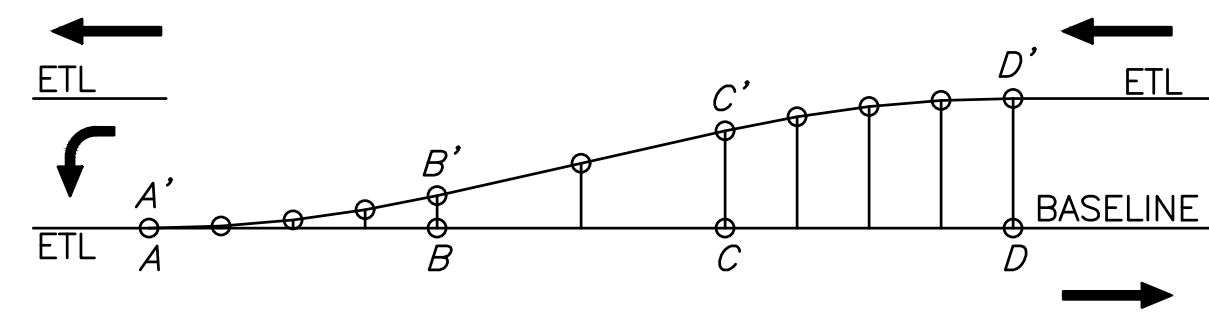
LEFT TURN BAY TAPER LAYOUT

BAY TAPER OFFSETS


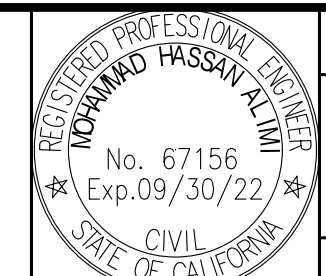

AD = 120 DD' = 9

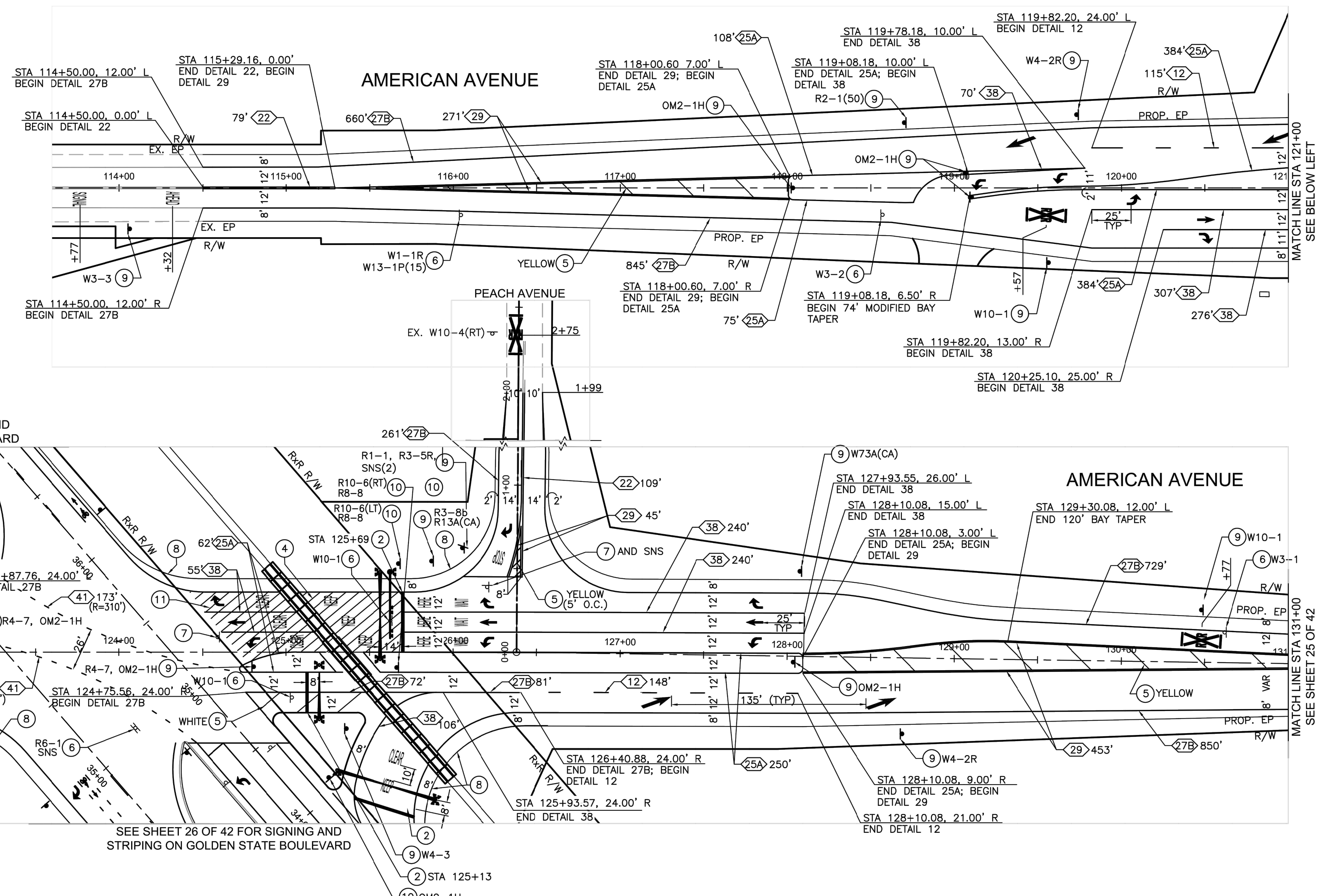
	X	Y	
A	0	0	A'
	10	0.14	
	20	0.56	
B	30	1.27	B'
	40	2.25	
	60	4.50	
C	80	6.75	C'
	90	7.73	
	100	8.44	
D	110	8.86	D'
	120	9.00	

DD' IS THE BAY TAPER OFFSET
 AD = LENGTH OF TAPER
 AB = BC = CD = 1/3 AD
 A'B' & A'C' ARE PARABOLIC CURVES
 X = DISTANCE FROM POINT A
 Y = OFFSET DISTANCE FROM BASE LINE TO CURVE



1. WORK SHALL BE DONE IN ACCORDANCE WITH THE 2006 STANDARD PLANS AND SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, SIGN SPECIFICATION SHEETS, THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), AND THE SPECIAL PROVISIONS.
2. THESE SIGNING AND STRIPING PLANS ARE ACCURATE FOR SIGNING AND PAVEMENT MARKINGS ONLY. ALL REFERENCE TO PAVEMENT MARKINGS SHALL INCLUDE STRIPING.
3. ALL SALVAGED MATERIAL SHALL BE DELIVERED TO THE COUNTY SIGN SHOP (BUILDING 409) AT 4551 E. HAMILTON AVENUE. THE CONTRACTOR SHALL NOTIFY THE SIGN SHOP (559)600-7899 AT LEAST TWO WORKING DAYS PRIOR TO DELIVERY.
4. ALL EXISTING PAVEMENT MARKING WHICH CONFLICTS WITH PROPOSED PAVEMENT MARKING SHALL BE REMOVED.
5. EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE DONE BY GRINDING. AFTER GRINDING, A PARKING AREA SEAL SHALL BE APPLIED TO THE AREA.
6. LIMIT LINES SHALL BE 12 INCHES IN WIDTH UNLESS INDICATED OTHERWISE.
7. WITH THE EXCEPTION OF BIKE LANE SYMBOLS, ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
8. ALL EXISTING SIGNS NOT SHOWN ON THE PLANS TO REMAIN OR BE RELOCATED SHALL REMAIN, BE SALVAGED, OR RELOCATED AS DIRECTED BY THE ENGINEER.
9. ALL BAY TAPERS SHALL BE 120 FEET IN LENGTH UNLESS INDICATED OTHERWISE.
10. SIGN POSTS SHALL BE 2" x 2" SQUARE 14 GAUGE GALVANIZED STEEL POST IN A 2 1/4" x 2 1/4" SQUARE BY 30" 12 GAUGE STEEL ANCHOR BASE WELDED FLUSH WITH TOP OF A 2 1/2" x 2 1/2" SQUARE BY 18" GALVANIZED STEEL ANCHOR SLEEVE.
11. SIGNS SHALL BE TYPE IV OR IX RETROREFLECTIVE SHEETING IN ACCORDANCE WITH ASTM 4956-09. ALL SIGNS SHALL BE COVERED WITH A TRANSLUCENT ANTI-GRAFFITI FLUOROPOLYMER FILM THAT DOES NOT IMPAIR THE REFLECTIVITY OF THE SIGN. YELLOW BACKGROUND FOR SCHOOL SIGNS SHALL BE FLUORESCENT YELLOW GREEN IN COLOR.
12. D3-1 STREET NAMES SIGNS SHALL BE 0.125" THICK ALUMINIUM WITH WHITE LETTERING ON GREEN BACKGROUND ON BOTH SIDES.

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING				
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	NO SCALE				AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		SIGNING AND STRIPING Road Reconstruction			
CHECKED: S.A.	DATE: 07/01/2020						ROAD NO. S0500/D0070		BRIDGE NO. N/A	DRAWING NO. 11227	SHEET NO. 23	TOTAL 42
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.												



LEGEND (SHEETS 24 - 26 ONLY)

- XX' XX' PAVEMENT MARKING DETAIL.
- LENGTH OF PAVEMENT MARKING.
- INSTALL TYPE IV (L OR R) ARROW PER CALTRANS STANDARD PLAN A24A.
- INSTALL BICYCLE LOOP DETECTOR PAVEMENT MARKING PER CITY STANDARD DRAWING E-14 WHERE REQUIRED AND AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
- INSTALL TYPE I (18") ARROW PER CALTRANS STANDARD PLAN A24A.
- INSTALL TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A.
- INSTALL "KEEP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- INSTALL "CLEAR" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- INSTALL "WAIT" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- INSTALL "HERE" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- INSTALL "SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- INSTALL "AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- INSTALL RAILROAD CROSSING PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24B.
- INSTALL BIKE LANE SYMBOL AND ARROW PER CALTRANS STANDARD PLAN A24A AND A24C.

LEGEND CON'D (SHEETS 24 - 26 ONLY)

- ① INSTALL 12" WHITE LIMIT LINE.
- ② INSTALL 24" WHITE LIMIT LINE.
- ③ INSTALL 4" WHITE LINE AT 150' IN LENGTH.
- ④ INSTALL 4" WHITE DIAGONAL LINE AT 45°, 5' O.C.
- ⑤ INSTALL 6" DIAGONAL LINE AT 45°, 25' O.C., COLOR AS NOTED.
- ⑥ REMOVE EXISTING SIGN AND POST.
- ⑦ REMOVE AND SALVAGE EXISTING R1-1 AND POST AFTER SIGNAL TURN ON.
- ⑧ PAINT AC BERM CURB RETURN WITH HIGH REFLECTIVITY WHITE PAINT.
- ⑨ FURNISH AND INSTALL SIGN AND POST AS NOTED.
- ⑩ FURNISH AND INSTALL SIGN ON SIGNAL POLE AS NOTED.
- ⑪ REMOVE EXISTING PAVEMENT MARKINGS.

GENERAL NOTES (SHEETS 24 - 26 ONLY)

1. WORK SHALL BE DONE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, 2015 EDITION, THE LATEST CALTRANS ADOPTED EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), AND THE LATEST EDITION OF THE CITY OF FRESNO STANDARD SPECIFICATIONS, DRAWINGS, AND SPECIAL PROVISIONS.
2. THESE PLANS ARE ACCURATE FOR SIGNING AND STRIPING ONLY.
3. ALL SIGNS SHALL BE TYPE III OR IV RETROREFLECTIVE SHEETING PER ASTM D4956-09. ALL SIGNS SHALL BE COVERED WITH A TRANSLUCENT ANTI-GRAFFITI FLUOROPOLYMER FILM THAT DOES NOT IMPAIR THE REFLECTIVITY OF THE SIGN.
4. WITH THE EXCEPTION OF BIKE LANE SYMBOLS, ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
5. SIGNS SHALL BE INSTALLED PER CITY STANDARD DRAWING P-88, AND MINIMUM 5' FROM EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER IN THE FIELD. SIGNS SHALL BE POSITIONED IN A MANNER TO NOT BLOCK TRAFFIC SIGNAL OR RAILROAD INDICATIONS.
6. ALL SIGNS WITHIN THE VICINITY OF THE RAILROAD CROSSING SHALL BE A MINIMUM OF 5' FROM ALL GATE ARMS AND FLASHING LIGHTS TO ENSURE CLEAR LINE OF SIGHT. ALL SIGNS LOCATIONS SHALL BE APPROVED BY UPRR AND THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION.

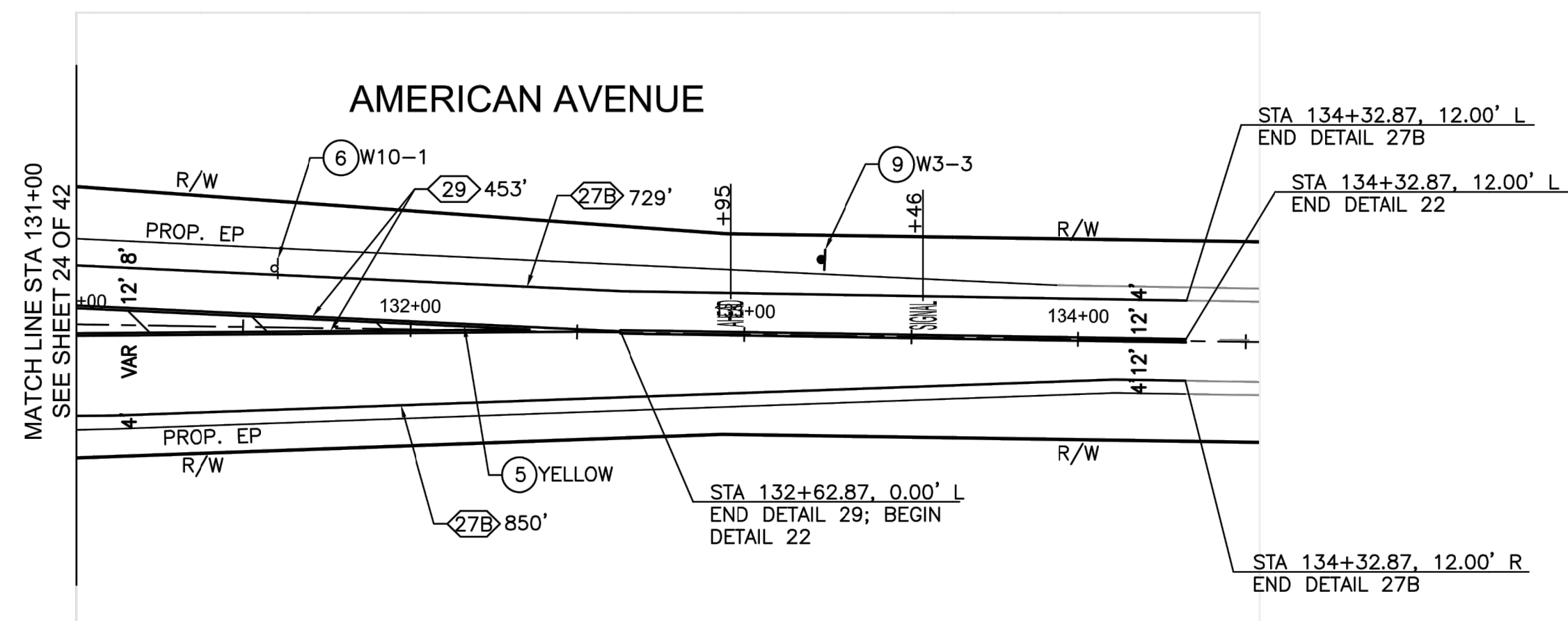
RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DESIGNED: BB	DATE: 4/6/21	Horiz.	0 40 80	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		SIGNING AND STRIPING PLAN	
DRAWN: BB	DATE: 4/6/21			ROAD NO. S0500/D0070		BRIDGE NO. N/A	
CHECKED: VM	DATE: 4/6/21			DRAWING NO. 11227		SHEET NO. 24	

PLANS PREPARED BY:

 13191 CROSSROADS PARKWAY NORTH, SUITE 405
 INDUSTRY, CA 91746-3497
 (562) 978-6200
 UNDER THE SUPERVISION OF:

 VANESSA MUNOZ RCE 67583



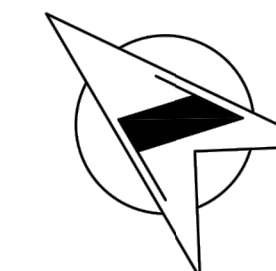
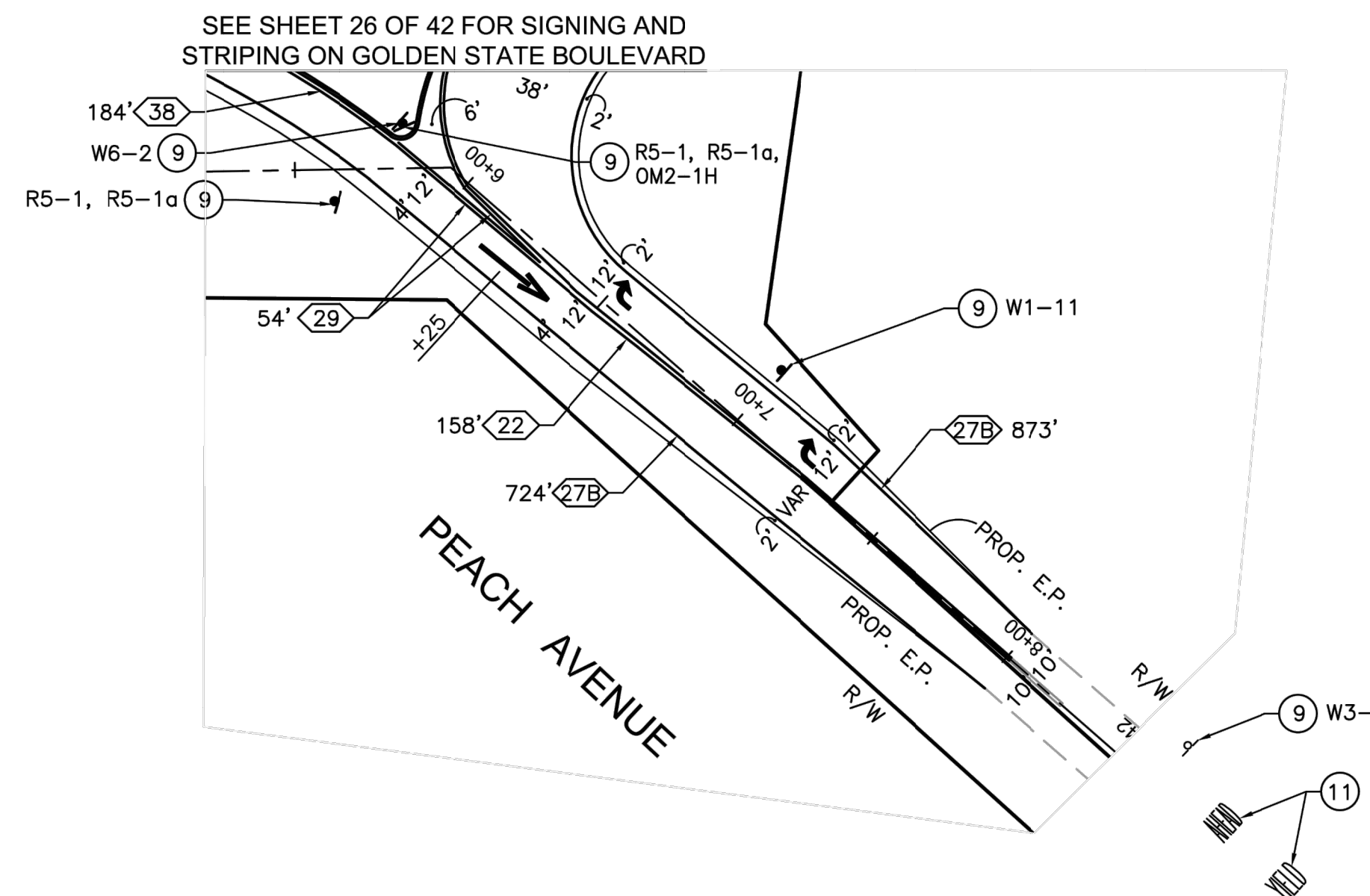


LEGEND (SHEETS 24 - 26 ONLY)

- XX' <XX> PAVEMENT MARKING DETAIL.
- LENGTH OF PAVEMENT MARKING.
- INSTALL TYPE IV (L OR R) ARROW PER CALTRANS STANDARD PLAN A24A.
- INSTALL BICYCLE LOOP DETECTOR PAVEMENT MARKING PER CITY STANDARD DRAWING E-14 WHERE REQUIRED AND AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ↑ INSTALL TYPE I(18') ARROW PER CALTRANS STANDARD PLAN A24A.
- ↑ INSTALL TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A.
- KEEP INSTALL "KEEP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- CLEAR INSTALL "CLEAR" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- WAIT INSTALL "WAIT" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- HERE INSTALL "HERE" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- SIGNAL INSTALL "SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- AHEAD INSTALL "AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- RR INSTALL RAILROAD CROSSING PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24B.
- BIKE INSTALL BIKE LANE SYMBOL AND ARROW PER CALTRANS STANDARD PLAN A24A AND A24C.

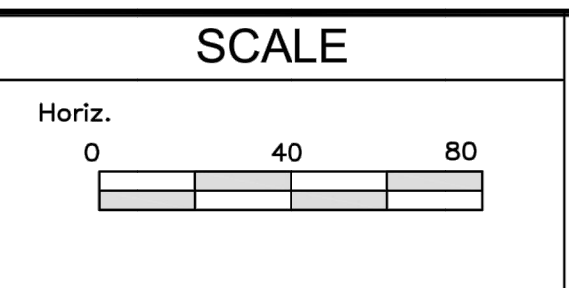
LEGEND CON'D (SHEETS 24 - 26 ONLY)

- 1 INSTALL 12" WHITE LIMIT LINE.
- 2 INSTALL 24" WHITE LIMIT LINE.
- 3 INSTALL 4" WHITE LINE AT 150' IN LENGTH.
- 4 INSTALL 4" WHITE DIAGONAL LINE AT 45°, 5' O.C.
- 5 INSTALL 6" DIAGONAL LINE AT 45°, 25' O.C., COLOR AS NOTED.
- 6 REMOVE EXISTING SIGN AND POST.
- 7 REMOVE AND SALVAGE EXISTING R1-1 AND POST AFTER SIGNAL TURN ON.
- 8 PAINT AC BERM CURB RETURN WITH HIGH REFLECTIVITY WHITE PAINT.
- 9 FURNISH AND INSTALL SIGN AND POST AS NOTED.
- 10 FURNISH AND INSTALL SIGN ON SIGNAL POLE AS NOTED.
- 11 REMOVE EXISTING PAVEMENT MARKINGS.

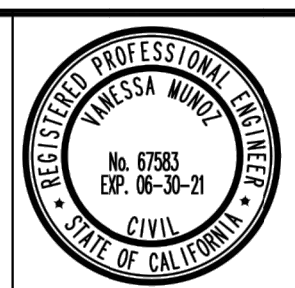


FOR GENERAL NOTES SEE SHEET 24 OF 42

RECORD DRAWING	
DESIGNED: BB	DATE: 4/6/21
DRAWN: BB	DATE: 4/6/21
CHECKED: VM	DATE: 4/6/21



PLANS PREPARED BY:
WILLDAN Engineering *extending your reach*
 13191 CROSSROADS PARKWAY NORTH, SUITE 405
 INDUSTRY, CA 91746-3497
 (562) 978-6200
 UNDER THE SUPERVISION OF:
Vanessa Munoz
 VANESSA MUNOZ RCE 67583



PROJECT
 AMERICAN AVE. AND GOLDEN STATE BLVD.
 INTERSECTION IMPROVEMENTS

ROAD NO. S0500/D0070 BRIDGE NO. N/A

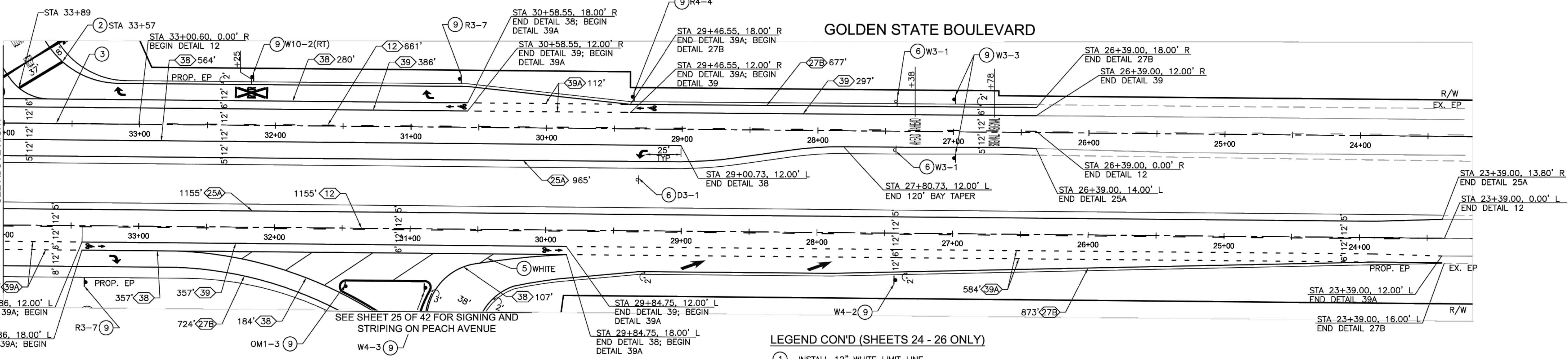
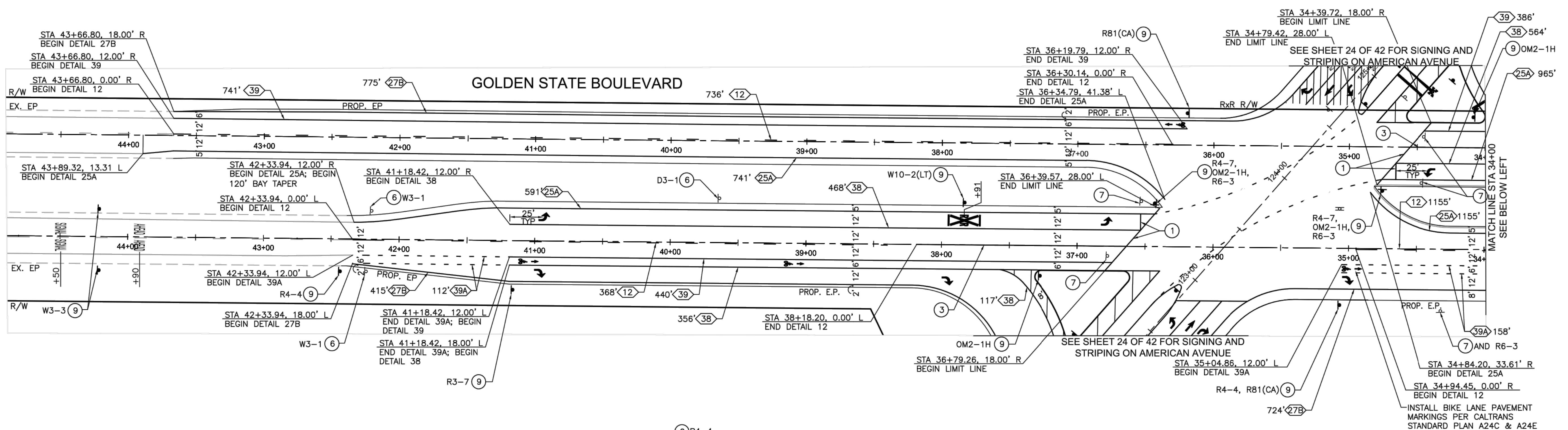
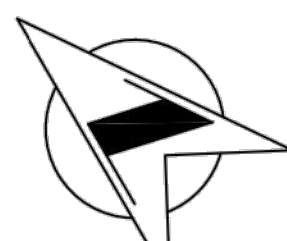


DEPARTMENT OF PUBLIC WORKS AND PLANNING

SIGNING AND STRIPING PLAN
 GOLDEN STATE BOULEVARD AT AMERICAN AVENUE

DRAWING NO. 11227 SHEET NO. 25 TOTAL 42

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



LEGEND (SHEETS 24 - 26 ONLY)

- XX' XX' PAVEMENT MARKING DETAIL.
- LENGTH OF PAVEMENT MARKING.
- ↩ INSTALL TYPE IV (L OR R) ARROW PER CALTRANS STANDARD PLAN A24A.
- ↻ INSTALL BICYCLE LOOP DETECTOR PAVEMENT MARKING PER CITY STANDARD DRAWING E-14 WHERE REQUIRED AND AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
- ↔ INSTALL TYPE I (18') ARROW PER CALTRANS STANDARD PLAN A24A.
- ↗ INSTALL TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A.
- KEEP INSTALL "KEEP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- CLEAR INSTALL "CLEAR" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24E.
- WAIT INSTALL "WAIT" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.

LEGEND CON'D (SHEETS 24 - 26 ONLY)

- HERE INSTALL "HERE" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- SIGNAL INSTALL "SIGNAL" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- AHEAD INSTALL "AHEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- RAILROAD CROSSING INSTALL RAILROAD CROSSING PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24B.
- BIKE LANE INSTALL BIKE LANE SYMBOL AND ARROW PER CALTRANS STANDARD PLAN A24A AND A24C.

LEGEND CON'D (SHEETS 24 - 26 ONLY)

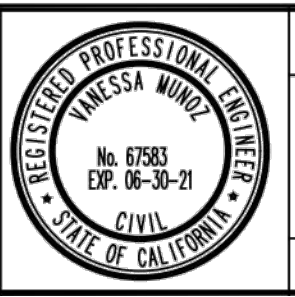
- 1 INSTALL 12" WHITE LIMIT LINE.
- 2 INSTALL 24" WHITE LIMIT LINE.
- 3 INSTALL 4" WHITE LINE AT 150' IN LENGTH.
- 4 INSTALL 4" WHITE DIAGONAL LINE AT 45°, 5' O.C.
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- 6 REMOVE EXISTING SIGN AND POST.
- 7 REMOVE AND SALVAGE EXISTING R1-1 AND POST AFTER SIGNAL TURN ON.
- 8 PAINT AC BERM CURB RETURN WITH HIGH REFLECTIVITY WHITE PAINT.
- 9 FURNISH AND INSTALL SIGN AND POST AS NOTED.
- 10 FURNISH AND INSTALL SIGN ON SIGNAL POLE AS NOTED.
- 11 REMOVE EXISTING PAVEMENT MARKINGS.

FOR GENERAL NOTES SEE SHEET 24 OF 42

DESIGNED: BB		DATE: 4/6/21	RECORD DRAWING		SCALE
RESIDENT ENGINEER	DATE			Horiz.	40 80
DRAWN: BB	4/6/21			0	
CHECKED: VM	4/6/21				

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

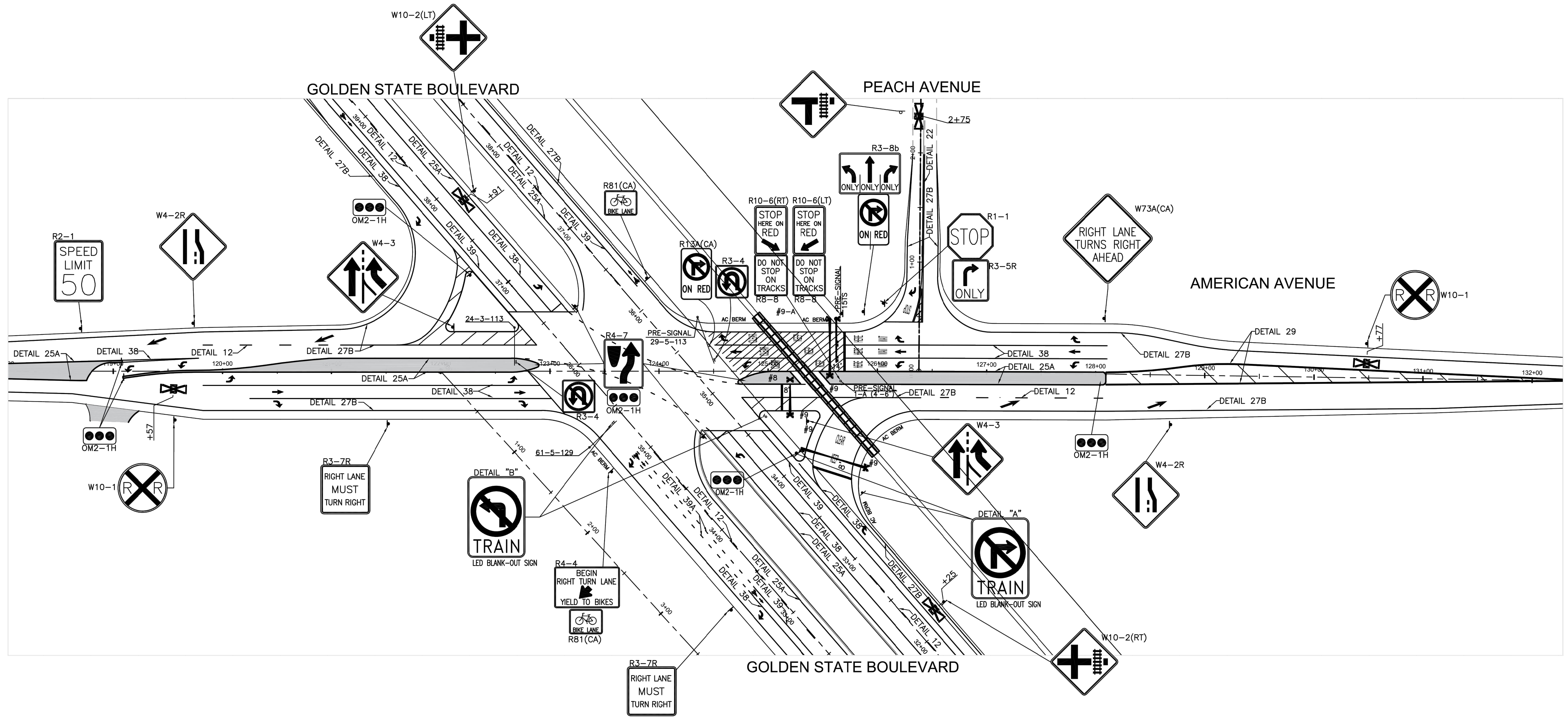
PLANS PREPARED BY:
WILLDAN Engineering
 extending your reach
 13191 CROSSROADS PARKWAY NORTH, SUITE 405
 INDUSTRY, CA 91746-3497
 (562) 398-8200
 UNDER THE SUPERVISION OF:
Vanessa Munoz
 VANESSA MUNOZ RCE 67583 DATE 4/6/21



PROJECT
AMERICAN AVE. AND GOLDEN STATE BLVD.
 INTERSECTION IMPROVEMENTS
 ROAD NO. S0500/D0070 BRIDGE NO. N/A






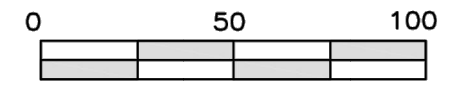
DEPARTMENT OF PUBLIC WORKS AND PLANNING
SIGNING AND STRIPING PLAN
 GOLDEN STATE BOULEVARD AT AMERICAN AVENUE
 DRAWING NO. 11227 SHEET NO. 26 TOTAL 42



LEGEND (SHEETS x - x ONLY)

 INSTALL RAILROAD CROSSING PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24B.

FOR REFERENCE ONLY

DESIGNED: BB		DATE: 4/6/21	RECORD DRAWING		SCALE	PLANS PREPARED BY:  WILLDAN Engineering <i>extending your reach</i> 13191 CROSSROADS PARKWAY NORTH, SUITE 405 INDUSTRY, CA 91746-3497 (562) 908-6200		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: BB		DATE: 4/6/21	RESIDENT ENGINEER	DATE	Horiz. 0 50 100 			AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS			SIGNING AND STRIPING - RxR EXHIBIT GOLDEN STATE BOULEVARD AT AMERICAN AVENUE	
CHECKED: VM		DATE: 4/6/21						ROAD NO. S0500/D0070			DRAWING NO. 11227	
								BRIDGE NO. N/A			SHEET NO. 27	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.											TOTAL 42	

PG&E POLE NUMBER SCHEDULE

POLE LOCATION	POLE NUMBER
(A)	XXXXX
(B)	XXXXX
(C)	XXXXX
(D)	XXXXX
(E)	XXXXX
(F)	XXXXX
(G)	XXXXX

NOTE: POLE NUMBER WILL BE ASSIGNED AFTER LUMINAIRE TYPE IS APPROVED.

POLE LOCATION

POLE	STREET	STATION
(A)	GOLDEN STATE BLVD	35+34.65, 41.00' L
(B)	AMERICAN AVE	123+8.30, 49.50' R
(C)	AMERICAN AVE	122+67.35, 40.00' L
(D)	GOLDEN STATE BLVD	36+95.00, 27.00' R
(E)	AMERICAN AVE	124+35.12, 48.50' L
(F)	AMERICAN AVE	125+02.82, 48.45' R
(G)	AMERICAN AVE	125+67.20, 53.00' L
(H)	AMERICAN AVE	125+66.32, 9.00' R
(I)	GOLDEN STATE BLVD	34+08.60, 22.50' R
(J)	GOLDEN STATE BLVD	33+41.50, 45.00' R

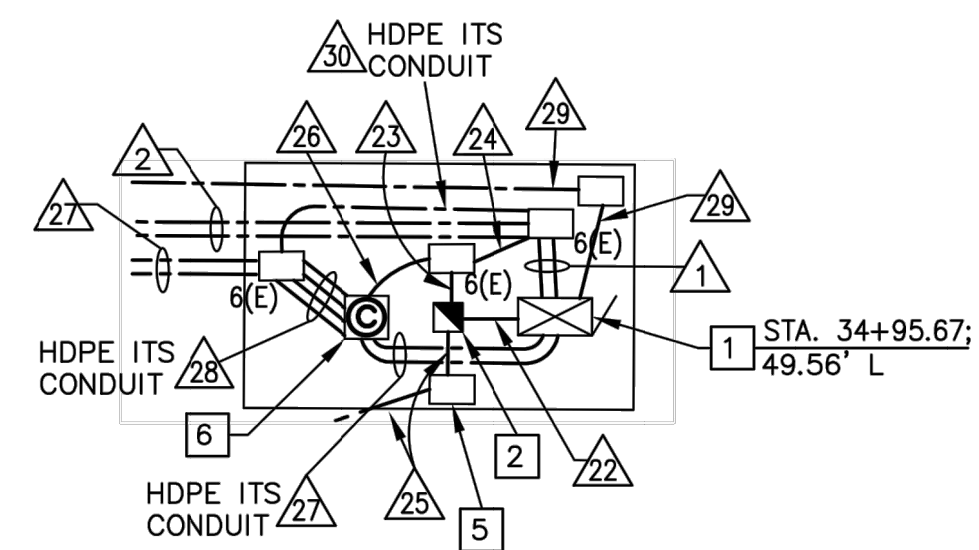
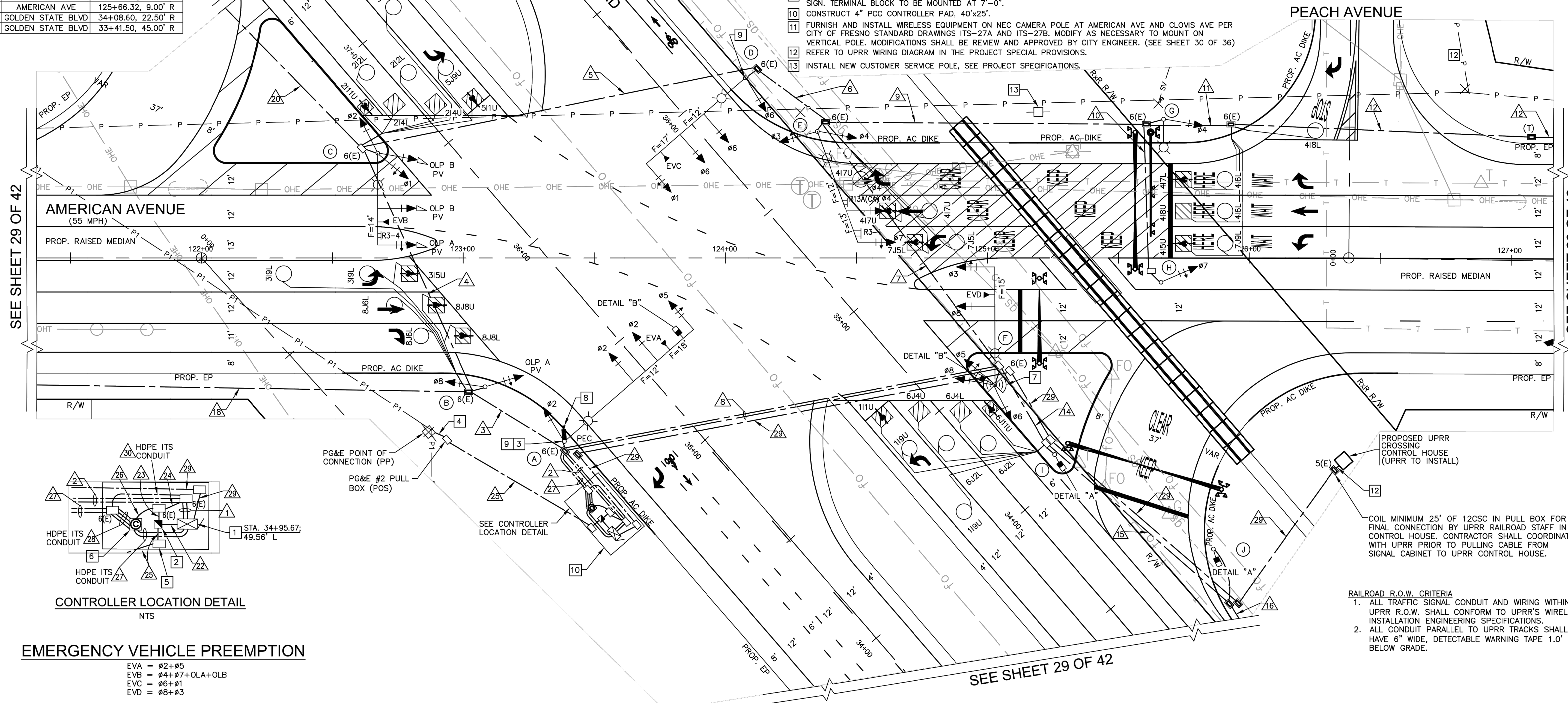


CONSTRUCTION NOTES (THIS SHEET ONLY)

- INSTALL COUNTY FURNISHED TYPE 2070LX NAZTEC CONTROLLER ASSEMBLY WITH V76 FIRMWARE AND C-11 CABLE IN A MODEL 332L CABINET WITH AUXILIARY BAY TO ACCOMMODATE OLP A, OLP B AND FOUR (4) RAILROAD PREEMPTION RELAYS (SEE GENERAL NOTE 30). FRONT OF CONTROLLER SHALL FACE SOUTHWEST. CONSTRUCT FOUNDATION PER STATE STANDARD. FOUNDATION SHALL BE 12" ABOVE THE SURROUNDING GRADE OR SIDEWALK. FURNISH AND INSTALL BATTERY BACKUP SYSTEM COMPLETE AND ALL EQUIPMENT NECESSARY FOR PROPER OPERATION OF THE TRAFFIC SIGNAL AND CABINET AS DESCRIBED IN SECTION 23-2 OF THE CITY OF FRESNO STANDARD SPECIFICATIONS. FRONT DOOR OF CABINET SHALL FACE SOUTHWEST. MAINTAIN 4" ADA CLEARANCE. MOUNT RAILROAD PREEMPTION WARNING SHEET ON INSIDE OF THE CONTROLLER CABINET DOOR.
- FURNISH AND INSTALL TESCO 26-100 LBS SERVICE CABINET, PER CITY STANDARD DRAWINGS E-15 AND E-17. FRONT OF CABINET SHALL FACE EAST.
- FURNISH AND INSTALL PHOTOCELL (PEC) PER CITY STANDARDS ON TOP OF SIGNAL STANDARD AT LOCATION (A).
- PG&E 3" CONDUIT TO #2 PULL BOX. COORDINATE SERVICE CONNECT WITH PG&E AS REQUIRED AT POINT OF SERVICE.
- PULL BOX LID SHALL HAVE "ELECTRICAL" INSCRIBED ON IT.
- INSTALL COUNTY FURNISHED MODEL 336 ITS COMMUNICATION CABINET COMPLETE PER CITY OF FRESNO STANDARDS ITS-20A, ITS-21B, ITS-21C, ITS-21D, AND COMPLETE COMMUNICATION EQUIPMENT. CONSTRUCT FOUNDATION PER CITY OF FRESNO STANDARD DRAWINGS.
- FURNISH AND INSTALL WIRELESS EQUIPMENT ON SIGNAL POLE (F) PER CITY OF FRESNO STANDARD DRAWING ITS-27A AND ITS-27B. MODIFY AS NECESSARY TO MOUNT ON VERTICAL POLE. MODIFICATIONS SHALL BE REVIEWED AND APPROVED BY CITY ENGINEER.
- FURNISH AND INSTALL IP VIEWING DEVICE PER CITY OF FRESNO STANDARD DRAWING ITS-18B.
- INSTALL PEDESTRIAN TERMINAL BLOCK ON SIGNAL POLE FOR MAST ARM BLANK OUT SIGN. TERMINAL BLOCK TO BE MOUNTED AT 7'-0".
- CONSTRUCT 4" PCC CONTROLLER PAD, 40"x25".
- FURNISH AND INSTALL WIRELESS EQUIPMENT ON NEC CAMERA POLE AT AMERICAN AVE AND CLOVIS AVE PER CITY OF FRESNO STANDARD DRAWINGS ITS-27A AND ITS-27B. MODIFY AS NECESSARY TO MOUNT ON VERTICAL POLE. MODIFICATIONS SHALL BE REVIEW AND APPROVED BY CITY ENGINEER. (SEE SHEET 30 OF 36) REFER TO UPRR WIRING DIAGRAM IN THE PROJECT SPECIAL PROVISIONS.
- INSTALL NEW CUSTOMER SERVICE POLE, SEE PROJECT SPECIFICATIONS.

LEGEND

- NEW CALTRANS TYPE D LOOP DETECTOR (5 TURNS). INSTALL A BICYCLE LOOP DETECTOR PAVEMENT MARKING PER CITY STANDARD DRAWING E-14 WHERE REQUIRED AND AS SHOWN ON THE SIGNING AND STRIPING PLAN.
- 3'x3' BICYCLE LOOP DETECTOR PER COF STD. E-13 FOR BIKE LANES ONLY. INSTALL A BICYCLE LOOP DETECTOR PAVEMENT MARKING PER CITY STANDARD DRAWING E-14 WHERE REQUIRED AND AS SHOWN ON THE SIGNING AND STRIPING PLAN.
- CALTRANS TYPE E LOOP DETECTOR.
- EMERGENCY VEHICLE PREEMPTION DETECTOR UNIT PER CITY OF FRESNO SPECIFICATIONS.
- ACTIVATED LED BLANKOUT SIGN (SEE DETAILS "A" AND "B")
- PULL BOX (NO. 5(E) UNLESS OTHERWISE NOTED).
- PULL BOX WITH CONCRETE COLLAR (NO. 5(E) UNLESS OTHERWISE NOTED). SEE GENERAL NOTES.
- (T) TRAFFIC RATED PULL BOX
- (TE) TRAFFIC RATED PULL BOX WITH EXTENSION
- R/W RIGHT OF WAY
- PEC PHOTO ELECTRIC CONTROL
- IP VIEWING DEVICE
- WIRELESS EQUIPMENT
- P-P- PROPOSED PG&E OH WIRES



EMERGENCY VEHICLE PREEMPTION

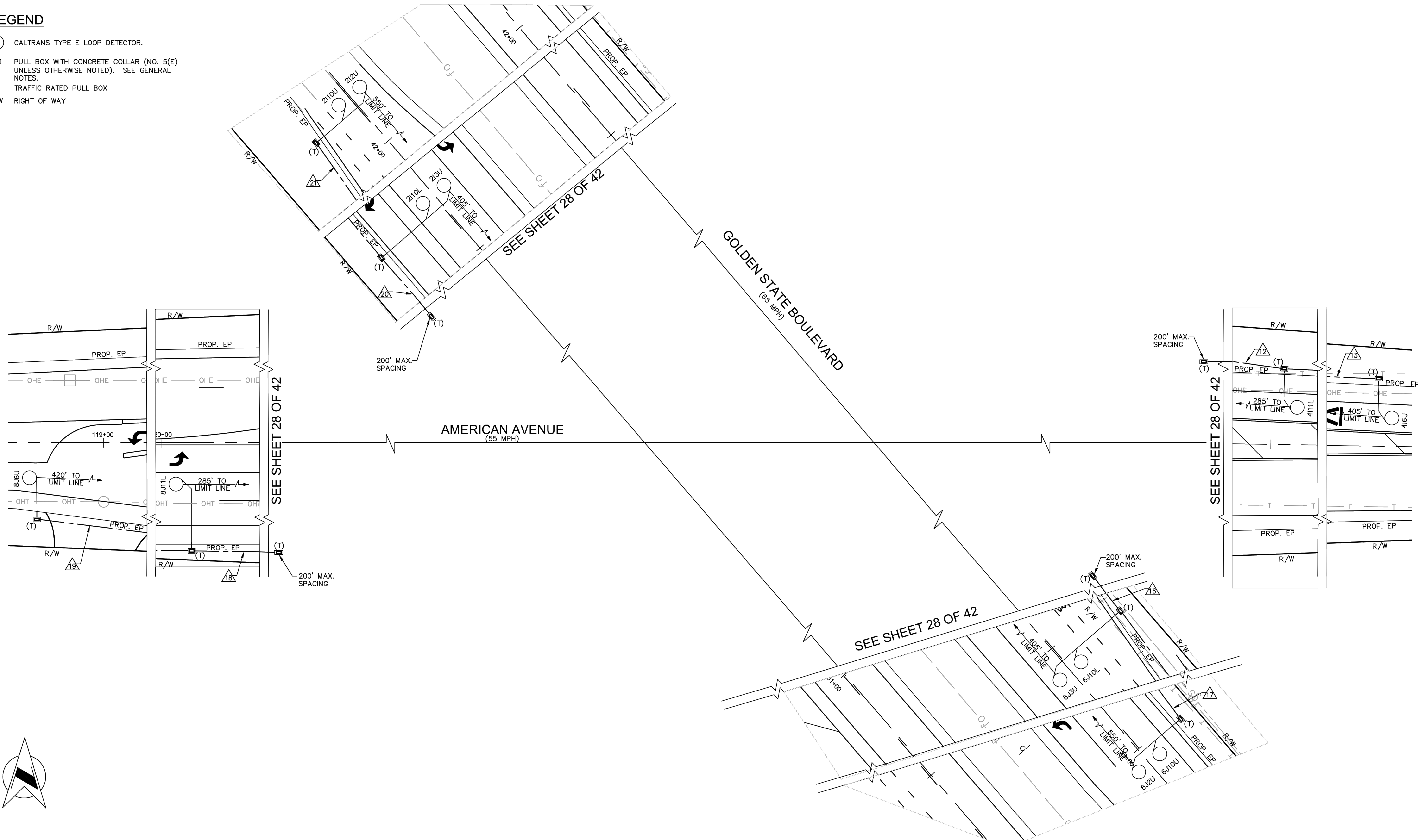
- EVA = Ø2+Ø5
- EVB = Ø4+Ø7+OLA+OLB
- EVC = Ø6+Ø1
- EVD = Ø8+Ø3

- RAILROAD R.O.W. CRITERIA**
- ALL TRAFFIC SIGNAL CONDUIT AND WIRING WITHIN UPRR R.O.W. SHALL CONFORM TO UPRR'S WIRELINE INSTALLATION ENGINEERING SPECIFICATIONS.
 - ALL CONDUIT PARALLEL TO UPRR TRACKS SHALL HAVE 6" WIDE, DETECTABLE WARNING TAPE 1.0' BELOW GRADE.

DESIGNED: BB	DATE: 4/6/21	RECORD DRAWING: RESIDENT ENGINEER	SCALE: Horiz. 0 20 40	PLANS PREPARED BY: WILLDAN Engineering extending your reach	PROJECT: AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: BB	DATE: 4/6/21	CHECKED: VM	DATE: 4/6/21	13191 CROSSROADS PARKWAY NORTH, SUITE 405 INDUSTRY, CA 91746-3487 (562) 906-6200 UNDER THE SUPERVISION OF: <i>Vanessa Munoz</i> VANESSA MUNOZ RCE 87583	ROAD NO. S0500/D0070 BRIDGE NO. N/A	TRAFFIC SIGNAL INSTALLATION PLAN GOLDEN STATE BOULEVARD AT AMERICAN AVENUE
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.				REGISTERED PROFESSIONAL ENGINEER No. 67583 Exp. 06-30-21 CIVIL STATE OF CALIFORNIA	DRAWING NO. 11227	SHEET NO. 28 TOTAL 42

LEGEND

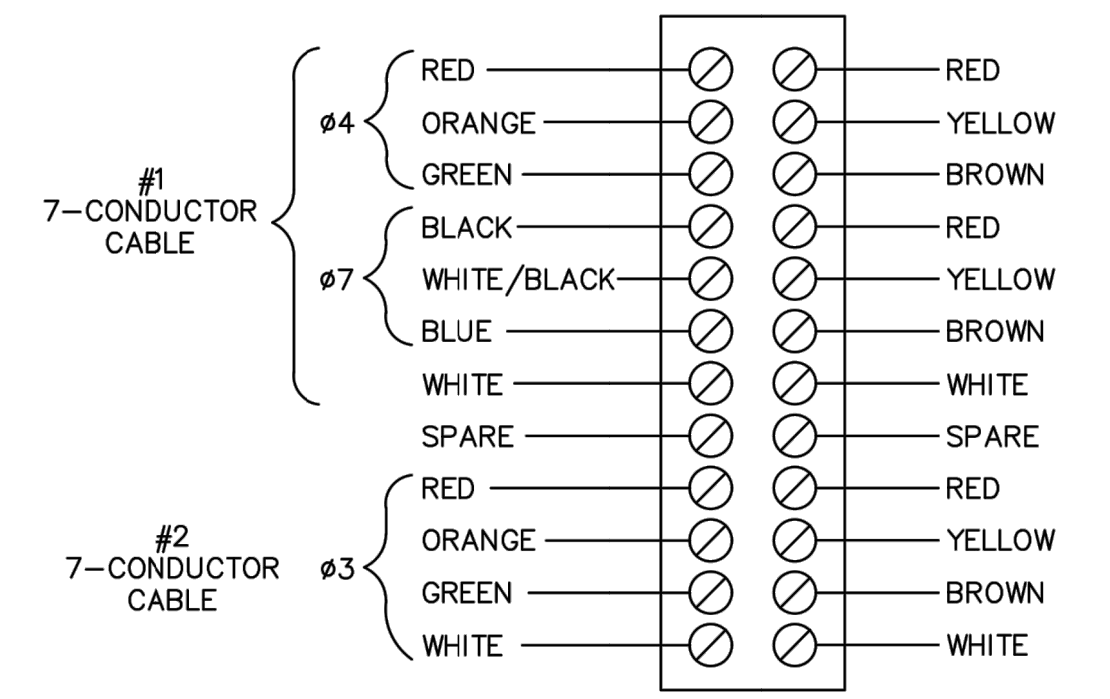
- CALTRANS TYPE E LOOP DETECTOR.
- ▣ PULL BOX WITH CONCRETE COLLAR (NO. 5(E) UNLESS OTHERWISE NOTED). SEE GENERAL NOTES.
- (T) TRAFFIC RATED PULL BOX
- R/W RIGHT OF WAY



	DATE	RECORD DRAWING	SCALE	PLANS PREPARED BY: WILLDAN Engineering <small>13191 CROSSROADS PARKWAY NORTH, SUITE 405 INDUSTRY, CA 91746-3487 (562) 908-6200</small> UNDER THE SUPERVISION OF: <i>Vanessa Munoz</i> VANESSA MUNOZ RCE 67583	PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		DEPARTMENT OF PUBLIC WORKS AND PLANNING TRAFFIC SIGNAL INSTALLATION PLAN GOLDEN STATE BOULEVARD AT AMERICAN AVENUE
DESIGNED: BB	4/6/21	RESIDENT ENGINEER	Horiz. 0 20 40	No. 67583 Exp. 06-30-21 CIVIL STATE OF CALIFORNIA	ROAD NO. S0500/D0070		DRAWING NO. 11227
DRAWN: BB	4/6/21				BRIDGE NO. N/A		SHEET NO. 29
CHECKED: VM	4/6/21						TOTAL 42

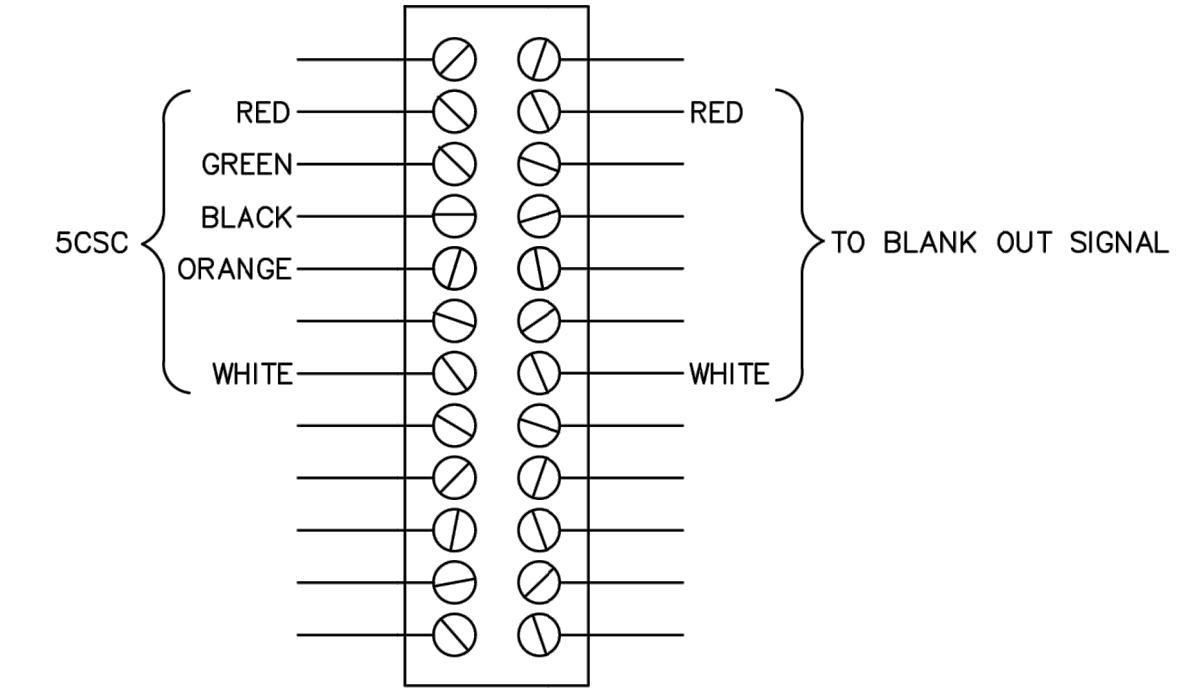
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

CONDUCTOR LAYOUT FOR (2) 7 CONDUCTORS/3 PHASES
IN A COMMON TS-4



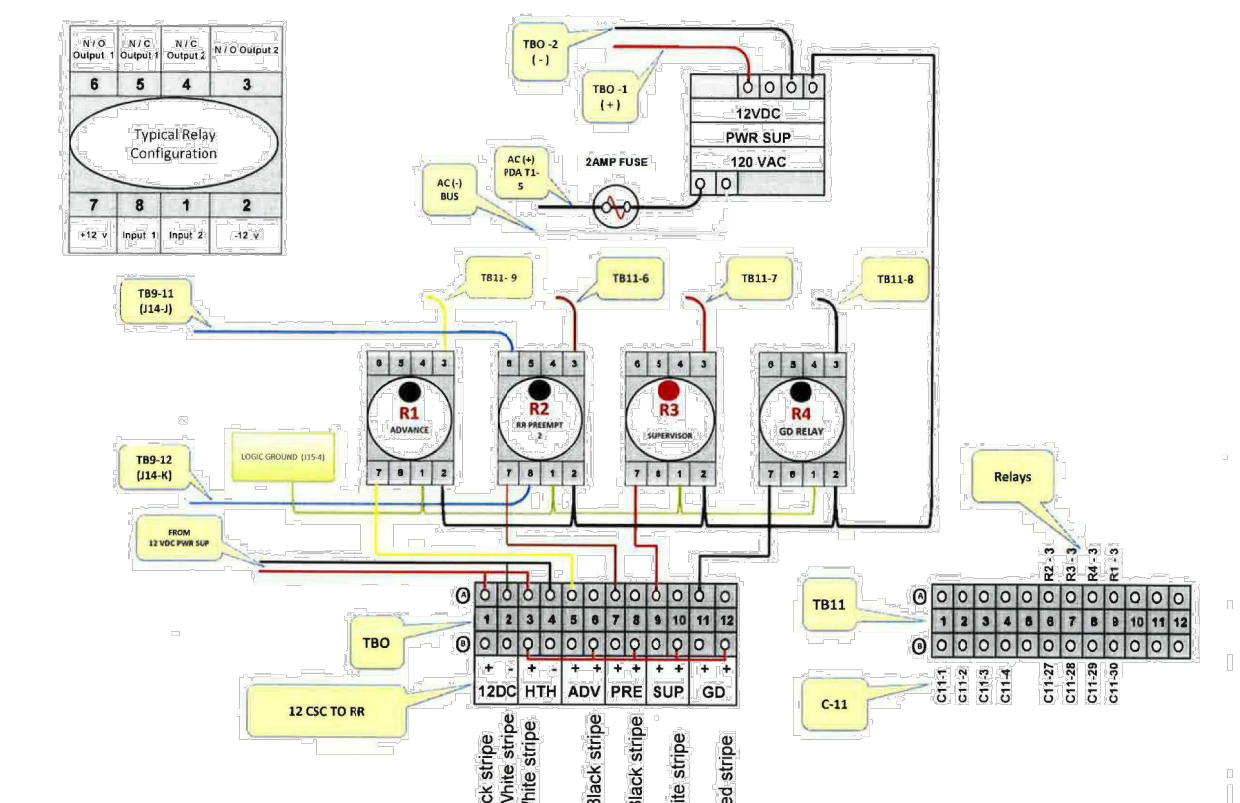
VEHICLE TERMINAL COMPARTMENT
NOTE: SPARE CONDUCTORS TO BE TAPED AND NEATLY LACED IN TS-4

CONDUCTOR LAYOUT FOR BLANK OUT SIGN
IN A COMMON TS-4 POLES I & J



PEDESTRIAN TERMINAL COMPARTMENT
NOTE: SPARE CONDUCTORS TO BE TAPED AND NEATLY LACED IN TS-4

- TYPICAL FOR BLANK OUT SIGN INSTALLED ON 1-A POLE.
- TERMINATE 5CSC ON PHASE "2PY" IN 332 CABINET.
- BLANK OUT SIGN 5CSC SHALL BE IDENTIFIED WITH A CABLE TAG INSCRIBED "BLANK OUT SIGN" IN EACH PULL BOX AND 332 CABINET.



FROM	TO	COLOR	ITEM	DISCRIPTION PART #
12VDC (L)	TBO-1A	RED	PVWR SUP	Phoenix Contact DIN Rail Power Supply
12VDC (L)	TBO-2A	BLACK	Strip	1.581A2/12VDC, 12VDC 3.0A
TBO-1A	TBO-3A	RED	FUSE	#2368571 or EQUIV.
TBO-2A	TBO-4A	BLACK	FUSE	2AMP LITTLE BUSSMAN SLOW BLOW 250VAC or EQUIV.
R1-1	TBO-5A	YELLOW	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R1-2	R2-1	BLACK	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R2-2	TBO-7A	BROWN	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R2-3	R3-1	BLACK	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R3-2	TBO-9A	RED	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R3-3	R4-1	BLACK	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R4-2	TBO-11A	BLACK	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R4-3	12VDC (L)	BLACK	RELAY	MANUFACTURE PART # 342004 or EQUIV.
R1-1	TB11-6A	YELLOW	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
TB11-1	R1-1	GREEN	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R2-1	TB11-6A	BROWN	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R1-1	R2-1	GREEN	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R2-2	TB9-11	BLUE	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R2-3	TB9-12	BLUE	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R3-1	TB11-7A	RED	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R2-1	R3-1	GREEN	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R4-1	TB11-8A	BLACK	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R4-2	R4-1	BLACK	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.
R4-3	R4-1	GREEN	TERMINAL	12POS, 600V/25A, MANUFACTURE PART # M4734 or EQUIV.

SPECIAL NOTES

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS ARE BELIEVE TO BE REASONABLY CORRECT BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVE IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURE WILL BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL THE STRUCTURES THAT MAY BE ENCOUNTERED.

CONTRACTOR SHALL DETERMINE PRESENCE OF EXISTING FACILITIES AND SHALL NOTIFY THE ENGINEER OF POTENTIAL CONFLICTS.

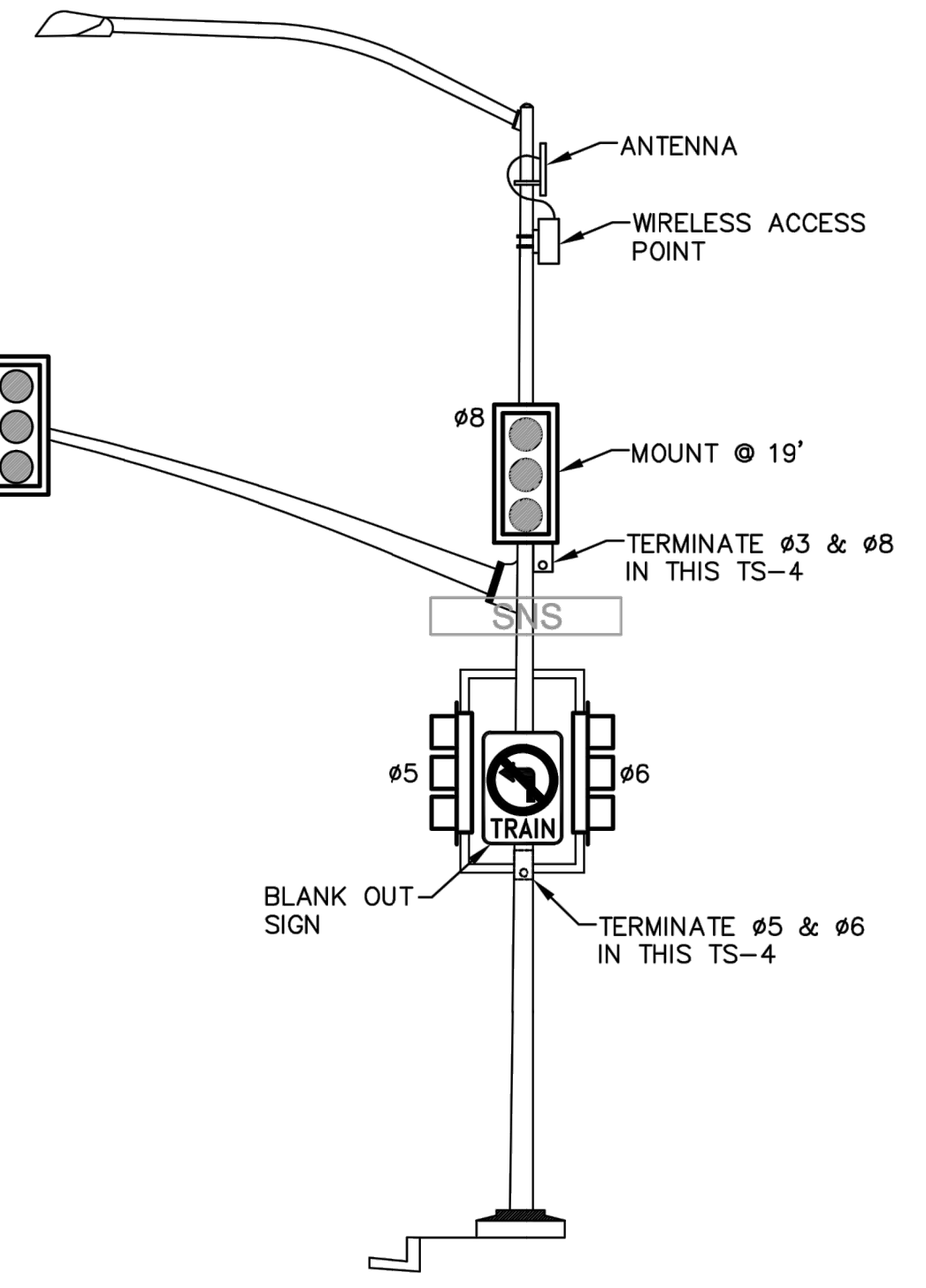


30"x24"
TAPCO (R3-1) ACTIVATED LED BLANK-OUT SIGN OR APPROVED EQUAL FOR POLES I & J
DETAIL "A"
NTS

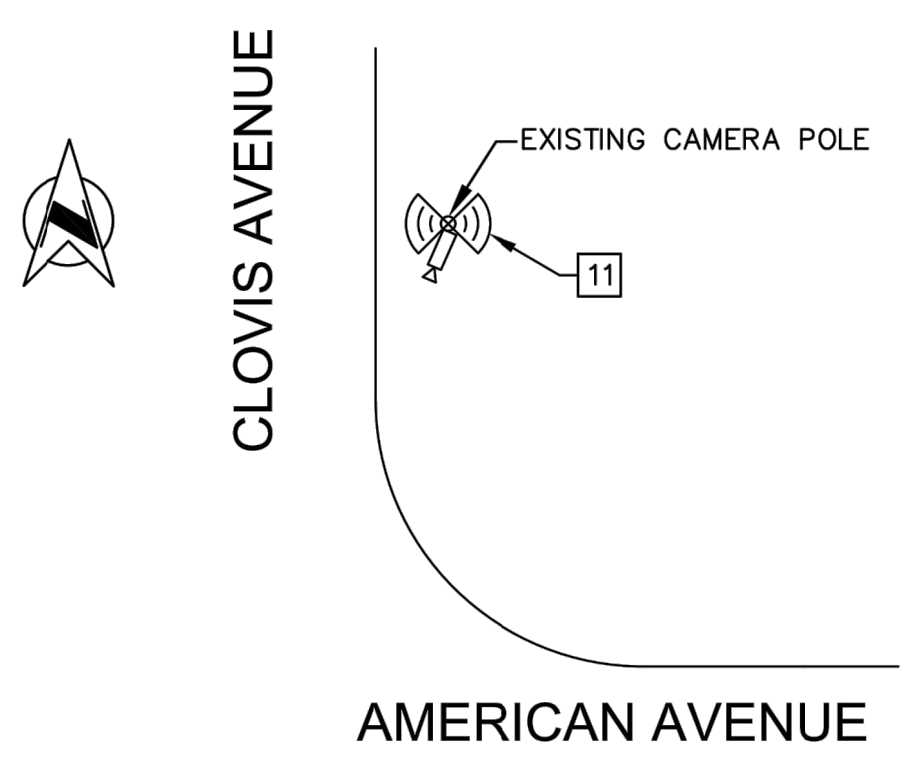


30"x24"
TAPCO (R3-2) ACTIVATED LED BLANK-OUT SIGN OR APPROVED EQUAL FOR POLES A & F
DETAIL "B"
NTS

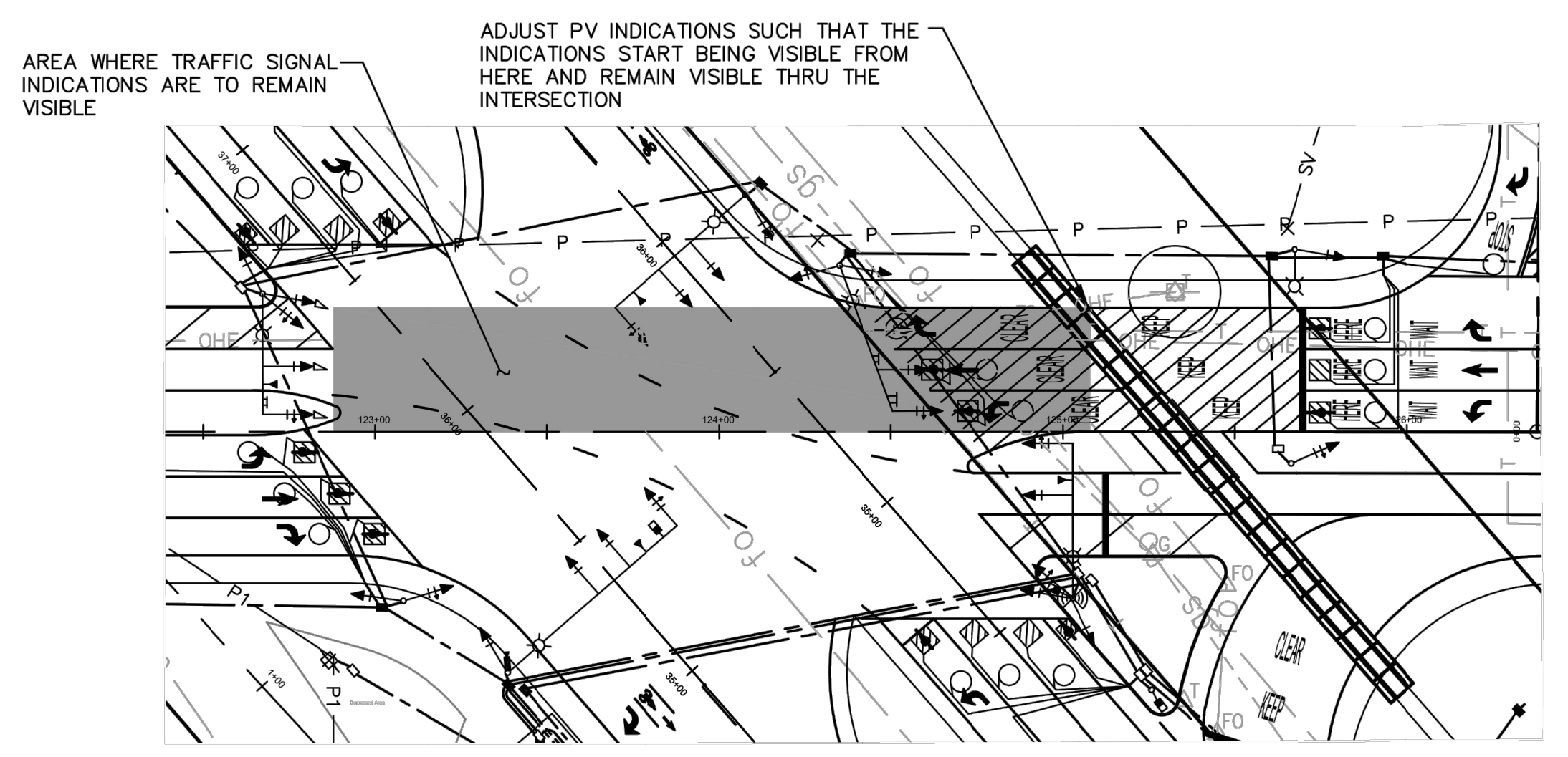
POLE C
NO SCALE



POLE F
NO SCALE



WIRELESS ANTENNA INSTALLATION
NO SCALE



TRAFFIC SIGNAL HEAD VISIBILITY ZONE
SCALE: 1" = 40'

DESIGNED: BB	DATE: 4/6/21	RECORD DRAWING	SCALE	PLANS PREPARED BY: WILLDDAN Engineering	PROJECT	DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: BB	DATE: 4/6/21	RESIDENT ENGINEER	Horiz. 0 20 40	13191 CROSSROADS PARKWAY NORTH, SUITE 405 INDUSTRY, CA 91746-3487 (562) 908-8200	AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	TRAFFIC SIGNAL INSTALLATION PLAN GOLDEN STATE BOULEVARD AT AMERICAN AVENUE
CHECKED: VM	DATE: 4/6/21			UNDER THE SUPERVISION OF: VANESSA MUNOZ RCE 67583	ROAD NO. S0500/D0070	DRAWING NO. 11227
				4/6/21 DATE	BRIDGE NO. N/A	SHEET NO. 30
						TOTAL 42

		CONDUCTOR SCHEDULE																																
		TYPE 1 CONDUIT RUN NUMBER AND SIZE																																
AWG OR CABLE	POLE	PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
			2-4"	2-4"	4"	4"	4"	4"	4"	2-4"	4"	4"	2"	2"	2"	2"	4"	4"	2"	2"	2"	2"	2"	2"	1.5"	2"	2"	2"	2"	2-1.5"	4-1.5"	2"	2-1.5"	
VEH 7CSC	A	2, 5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	B	OLP A, 8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	C	OLP A, OLP B, 2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	D	1, 6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	E	3, 4, 7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	F	3, 8, 5, 6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	G	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	H	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	I	BLANK OUT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	J	BLANK OUT	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL			11	4	11	4	3	2	1	5	7	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
TOTAL			36	36	17	10	9	19	4	4	2	1	10	4	4	2	2	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
TOTAL DLC			36	36	17	10	9	19	4	4	2	1	10	4	4	2	2	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
#2	SERVICE																																	
#4	SIGNAL POWER																																	
#8	SAFETY LIGHTING																																	
#8	GROUNDING WIRE																																	
#8	RxR PRE-EMPTION (4 RELAYS)																																	
#12	PHOTOELECTRIC CONTROL																																	
	EMERGENCY VEHICLE PREEMPTION																																	
	SHIELDED CAT 5E CABLE																																	
	% CONDUIT FILL																																	

ALL CONDUIT AND CONDUCTORS ARE NEW.
 * NUMBER INDICATIONS ARE THE NUMBER OF CABLES WITHIN CONDUIT.
 ** 12CSC = 1-#12 AWG AND 11-#14 AWG CONDUCTORS (FOR UPRR REFERENCE ONLY)

GENERAL NOTES (SHEETS 28 - 31 ONLY)

- WORK SHALL BE DONE IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, 2015 EDITION, THE LATEST CALTRANS ADOPTED EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA-MUTCD), THE LATEST EDITION OF THE CITY OF FRESNO STANDARD SPECIFICATIONS AND DRAWINGS, SIGNAL POLES/STANDARDS FOR 113 KM/H WIND VELOCITY SHALL BE PER THE STATE STANDARD PLANS AND SPECIFICATIONS, DATED JULY 1997.
- THESE PLANS ARE ACCURATE FOR ELECTRICAL WORK ONLY.
- SCHEDULING OF WORK SHALL CONFORM TO THE PROVISIONS IN SECTION 86-1.07, "SCHEDULING OF WORK" OF THE STATE STANDARD SPECIFICATIONS. PARTICULAR ATTENTION SHALL BE DIRECTED TO "NO ABOVE GROUND WORK, EXCEPT SERVICE EQUIPMENT, SHALL BE PERFORMED UNTIL THE CONTRACTOR HAS ALL MATERIALS ON HAND TO COMPLETE THAT PARTICULAR SIGNAL LOCATION OR LIGHTING CIRCUIT".
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS, AND SHALL PROVIDE PROTECTION PRIOR TO, DURING AND AFTER TRENCHING, JACKING AND/ OR BORING. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA), BY CALLING 811, AT LEAST TWO (2) WORKING DAYS BEFORE BEGINNING WORK.
- CONDUIT INSTALLATION ACROSS ROADWAYS SHALL BE BY JACKING AND DIRECTIONAL DRILLING METHODS UNLESS OTHERWISE NOTED ON THE PLANS.
- CONTRACTOR SHALL ARRANGE WITH UTILITY COMPANIES FOR ALL REQUIRED UTILITY REALLOCATIONS, INCLUDING OVERHEAD CONFLICTS.
- ALL TRAFFIC SIGNAL AND LIGHTING FACILITIES, INCLUDING CABINETS, STANDARDS, PULL BOXES, CONDUITS AND LOOP DETECTORS, ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. AFTER ALL UNDERGROUND UTILITIES ARE MARKED, THE CONTRACTOR SHALL MARK FINAL LOCATIONS IN THE FIELD AND NOTIFY THE ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK TO VERIFY THE MARKED LOCATIONS.
- WITH EXCEPTION TO A FEDERALLY FUNDED PROJECT, ALL SALVAGED EQUIPMENT SHALL BE RETURNED TO THE CITY CORPORATION YARD, 3191 W. BELMONT AVENUE, FRESNO. THE CONTRACTOR SHALL NOTIFY THE CITY, CONTACT TRAFFIC SIGNAL SHOP AT (559) 621-1312, AT LEAST TWO (2) WORKING DAYS PRIOR TO DELIVERY. CONTRACTOR SHALL PROVIDE ADEQUATE MEANS FOR SAFELY UNLOADING EQUIPMENT.
- PULL BOXES SHALL BE NO. 5(E), UNLESS OTHERWISE NOTED ON THE PLANS. PULL BOXES SHALL NOT BE INSTALLED IN CURB RAMPS. VANDAL RESISTANT LOCKING LIDS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT FINAL INSPECTION OF THE TRAFFIC SIGNAL. CONTRACTOR SHALL PROVIDE TEMPORARY LIDS DURING CONSTRUCTION. LOCKING LIDS SHALL BE GALVANIZED STEEL DIAMOND PLATE, MINIMUM THICKNESS 3/16", WITH MINIMUM TWO (2) CLAMPING JAWS AND BE KEYS TO THE CITY OF FRESNO KEY. ALL PULL BOXES SHALL BE AT A MAXIMUM OF 200' APART. LOCKING LIDS SHALL BE TORQUED TO 25 FT. LBS.
- ALL PULL BOXES INSTALLED IN NON-CONCRETE AREAS SHALL BE SURROUNDED BY A ONE (1) FOOT WIDE CONCRETE COLLAR, TO A DEPTH EQUAL TO THE PULL BOX AND EXTENSION, PER CITY OF FRESNO SPECIFICATIONS, AND SHALL HAVE A VANDAL RESISTANT (SEE NOTE ABOVE) LOCKING LID INSTALLED. ALL CONDUIT ENTRIES INTO ADVANCE DETECTION, INTERMEDIATE DETECTION, AND STREET LIGHTING PULL BOXES INSTALLED IN NON-CONCRETE AREAS SHALL ENTER THE PULL BOX FROM THE BOTTOM, USING 90 DEGREE ELBOWS AND EXTENDING 3 TO 5 INCHES ABOVE THE FINISHED GROUT.



GENERAL NOTES (SHEETS 28 - 31 ONLY) (CONTINUED)

- ALL CONDUITS SHALL HAVE BUSHINGS INSTALLED PRIOR TO INSTALLING CONDUCTORS. STEEL CONDUITS SHALL HAVE LAY IN STYLE LUGS THAT ARE CAST INTEGRAL WITH THE BUSHING. CONDUITS SHALL BE STEEL UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS AND STD. DRAWING E-27.
- CONDUIT BENDS OF 90 DEGREES ARE PROHIBITED UNLESS OTHERWISE NOTED OR WRITTEN PERMISSION IS GIVEN BY THE CITY OF FRESNO ENGINEER.
- ALL NEUTRAL CONDUCTORS SHALL BE WHITE IN COLOR THROUGHOUT THEIR ENTIRE LENGTH.
- TRAFFIC SIGNAL CABLE SHALL NOT BE SPLICED BETWEEN THE CONTROLLER CABINET AND THE TERMINAL COMPARTMENTS MOUNTED ON THE POLES. DETECTOR CABLES SHALL NOT BE SPLICED BETWEEN THE CONTROLLER CABINET AND THE PULL BOX ADJACENT TO THE DETECTOR LEAD-IN.
- SEAL CONDUIT WITH AN APPROVED DUCT SEAL AFTER ALL CONDUCTORS HAVE BEEN INSTALLED.
- SEALANT FOR FILLING THE SAWCUT LOOPS SLOTS SHALL BE HOT-MELT RUBBERIZED ASPHALT SEALANT PER STATE OF CALIFORNIA SPECIFICATIONS.
OR
LOOP SEALANT SHALL BE ELASTOMERIC SEALANT 3M, BLACK 5000, OR APPROVED EQUAL.
- ALL VEHICLE SIGNAL SECTIONS SHALL UTILIZE LIGHT EMITTING DIODE (LED) SIGNAL MODULES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. VEHICLE SIGNAL SECTIONS SHALL HAVE 12" (300 mm) DIAMETER LENSES WITH BACKPLATES AND TUNNEL VISORS. ALL VEHICLE SIGNAL SECTIONS SHALL HAVE METAL AND RUBBER WASHERS INSTALLED ON THE INSIDE OF THE HEAD.
- SAFETY LUMINAIRE SHALL BE LED, SEE UPDATED CITY OF FRESNO SPECIFICATIONS FOR SAFETY LUMINAIRE REQUIREMENTS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE OPTICOM (OTT) EMERGENCY VEHICLE PREEMPTION (EVP) SYSTEM (721 TWO DIRECTION DETECTION, SINGLE CHANNEL) IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS. EVP DETECTOR UNITS SHALL BE INSTALLED ON SIGNAL MAST ARMS AS SHOWN ON THE PLAN, CENTERED OVER THE NUMBER ONE THROUGH LANE, WITH BRACKETS APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. THE CONTRACTOR SHALL DELIVER THE MODEL 762 DISCRIMINATORS TO THE CITY CORPORATION YARD AT 2101 "G" STREET, FRESNO, AND NOTIFY THE CITY TRAFFIC SIGNAL SHOP, (559) 621-1312, AT LEAST TWO (2) WORKING DAYS PRIOR TO DELIVERY.
- CONTRACTOR SHALL SCHEDULE WITH CONSTRUCTION MANAGEMENT ALL EQUIPMENT DELIVERIES WHICH REQUIRE TESTING BY THE CITY'S TSSL SHOP. EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR ONLY AT A PREARRANGED TIME AND DAY.
- THE CONTRACTOR SHALL FURNISH AND INSTALL NEW OVERSIZED STREET NAME SIGNS ON SIGNAL STANDARDS, AS SHOWN ON THE PLAN, PER CITY STANDARD DRAWING P-90. FURNISH AND INSTALL NEW MOUNTING BRACKETS AS NECESSARY. SUBMITTALS SHALL BE APPROVED BY THE CITY PRIOR TO ORDERING.

FOR ITS WIRELESS WORK:

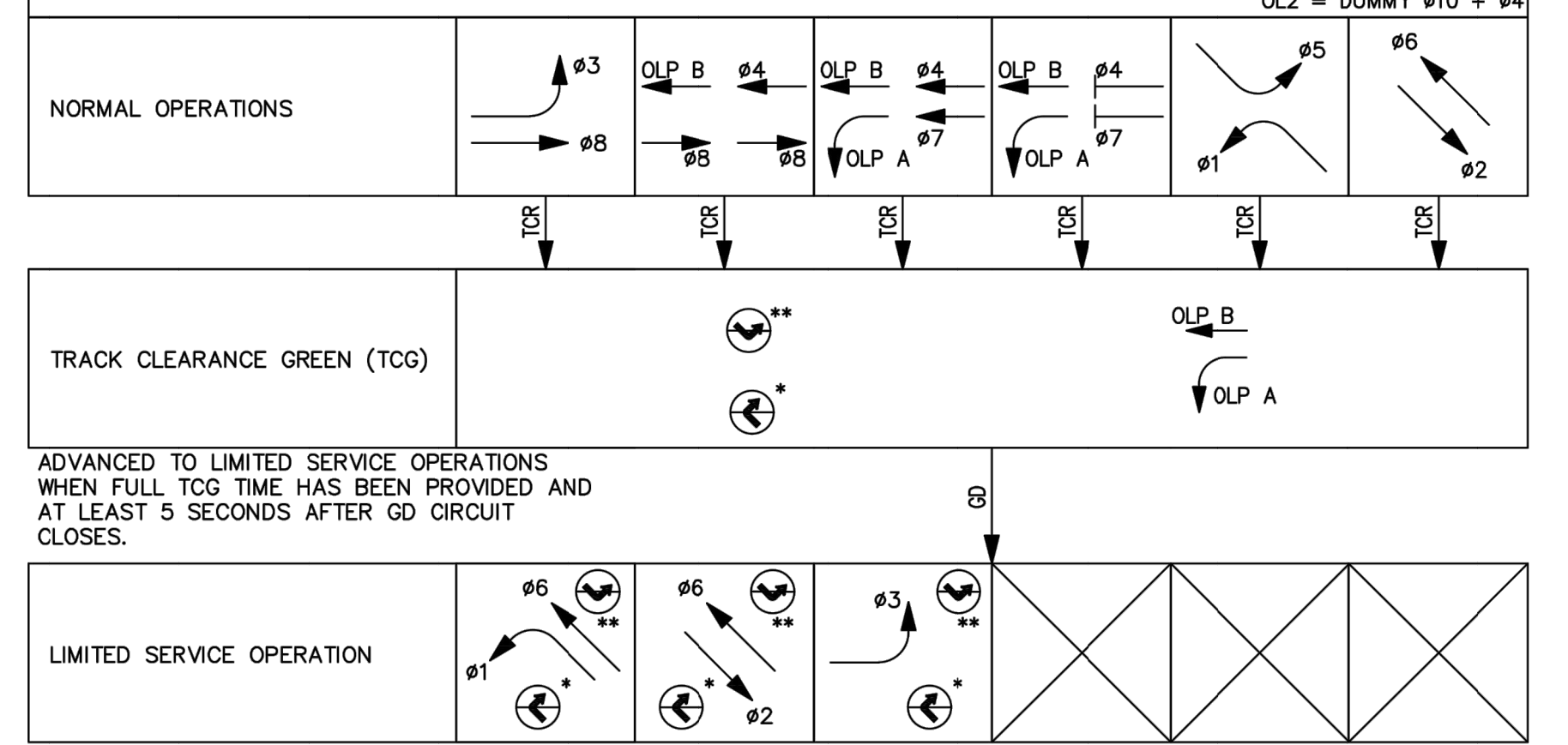
- THE CONTRACTOR SHALL BE OBLIGATED TO FAMILIARIZE THEMSELVES WITH THE CURRENT SIGNAL POLES IN FIELD PRIOR TO CONSTRUCTION.
- RADIO AND ONE ANTENNA SHALL BE MOUNTED BEHIND SIGNAL HEAD FOR THE LEAST AMOUNT OF WIND LOADING.
- SHIELDED, OUTDOOR RATED CAT5 CABLE LENGTH SHALL NOT EXCEED 300 FEET. SEE CITY OF FRESNO STANDARD DRAWINGS ITS-27A AND ITS-27B FOR FURTHER DETAILS.
- A LOW LOSS 50 OHM COAX CABLE SHALL BE USED TO CONNECT THE ANTENNA TO THE ACCESS POINT UNIT.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY VISUAL OBSTACLES THAT MAY OBSTRUCT LINE OF SIGHT PRIOR TO INSTALLATION, SUCH AS TREES, GRADE SEPARATIONS, ETC.
- A SEPARATION OF AT LEAST 2' BETWEEN ANTENNAS IS REQUIRED.
- TERMINATIONS OF OUTDOOR RATED SHIELDED CAT5E WITH SHIELDING GROUNDING, CONTRACTOR SHALL USE RJ-45 SHIELDED MODULAR CONNECTOR WITH INTERNAL GROUND.
- CAT5 CONNECTION TO ACCESS POINT WILL BE MADE USING THE WATERPROOF CONNECTOR SUPPLIED WITH THE ACCESS POINT.
- ALL ANTENNAS SHALL BE ORIENTATED IN THE VERTICAL POLARIZATION POSITION WHEN INSTALLED.
- CONTRACTOR SHALL TRIM AND DISPOSE OF BRANCHES FROM ALL TREES THAT MAY OBSTRUCT LINE OF SIGHT OF WIRELESS ITS PRIOR TO INSTALLATION AS DIRECTED BY THE ENGINEER.
- RADIO RSSI BETWEEN ADJACENT INTERSECTIONS SHALL BE BETWEEN -60 DBM AND -40 DBM FOR ALL RADIOS INSTALLED ON THIS PROJECT. OPTIMAL RSSI IS -55 DBM. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS AT ADJACENT INTERSECTIONS AS NECESSARY.
- RADIO CCQ VALUES SHALL BE A MINIMUM OF 75% PER MANUFACTURER RECOMMENDATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS AT ADJACENT INTERSECTIONS IF NECESSARY.
- CONTRACTOR SHALL MAINTAIN 2 FEET LOOP MINIMUM EXCESS OF IP CAMERA CABLES IN THE #6 PULL BOX.
- CONTRACTOR SHALL UTILIZE RED TAPE FOR IP CAMERA AND BLUE TAPE FOR WIRELESS ANTENNA CAT5E.
- SURFACE INTERIOR AND EXTERIOR FINISH OF ALUMINUM COMMUNICATION CABINET MUST COMPLY WITH MIL-A-8625 FOR TYPE II, CLASS I COATING (REF: 86-3.01 OF THE 2010 STATE STANDARD SPECIFICATIONS).
- POLE HANDHOLE SHALL BE WELDED IN PLACE AFTER ALL PROVIDED WORK ON EXISTING POLE IS COMPLETED AND INSPECTED. CONTRACTOR SHALL PROTECT CONDUCTORS FROM DAMAGE DURING WELDING.
- ALL IP CAMERAS SHALL BE PANORAMIC, UNLESS OTHERWISE NOTED ON PLANS.

POLE & EQUIPMENT SCHEDULE

LOCATION	POLE	MAST ARM LENGTH		SIGNAL MOUNTING			BACK-PLATE	LUMINAIRE	SNS	NOTES
		SIGNAL	LUMINAIRE	POST	MAST-ARM					
(A)	61-5-129(C)	65'(C)	12'(C)	SV-1-T	MAS, MAS, MAS		4	LED	American Ave	F=18', F=12'
(B)	1-A(C)	-	-	TV-2-T	-		2	-	-	-
(C)	24-3-113(C)	35'(C)	12'(C)	SV-2-T	MAS, MAS		5	LED	Golden State Blvd	a. d. F=14'
(D)	29-5-113(C)	50'(C)	12'(C)	SV-1-T	MAS, MAS, MAS		4	LED	American Ave	c. F=17', F=12'
(E)	26-3-113(C)	45'(C)	12'(C)	SV-2-T	MAS, MAS, MAS		5	LED	-	b. F=13', F=12'
(F)	26-3-113(C)	45'(C)	12'(C)	SV-2-T	MAS, MAS		5	LED	Golden State Blvd	a. d. F=15'
(G)	15(C)	-	12'(C)	SV-1-T	-		1	LED	-	c. e.
(H)	1-A(4'-6')(C)	-	-	TV-1-T	-		1	-	-	e.
(I)	1-A(7')(C)	-	-	TV-1	-		-	-	-	d.
(J)	1-A(7')(C)	-	-	TV-1	-		-	-	-	a.

- NOTES:
 (C) INDICATES COUNTY TO PROVIDE PROPOSED EQUIPMENT TO CONTRACTOR.
- ALL EQUIPMENT IS NEW.
 - CONTRACTOR TO VERIFY OVERHEAD AND UNDERGROUND UTILITY CLEARANCE.
 - ARRANGE FOR UTILITY RELOCATION AS NECESSARY WITH APPROVAL OF ENGINEER.
 - ALL POLES PER 1997 CALTRANS STANDARDS.
 - LED SAFETY LUMINAIRE PER CITY OF FRESNO EXPRESSWAY CREE RSWL-A-HT-3ME-14L-40K7-UL-SV-X6, 108W, 13400 LUMEN, 4000K, CR170, B3-U0-G3.
 - MOUNTING FOR LED BLANK OUT SIGN (DETAIL "A") PER MANUFACTURER'S REQUIREMENTS. MINIMUM 7' MOUNTING CLEARANCE.
 - ROTATE POLE 20° FROM AMERICAN AVE CENTERLINE.
 - TOP OF SIGNAL POLE FOUNDATION SHALL EXTEND AN ADDITIONAL 2'-FEET ABOVE NATIVE SOIL.
 - MOUNT VEHICLE HEAD @ 19'. SEE DETAIL ON SHEET 30.
 - POLES SHALL BE MINIMUM 5' FROM GATE ARMS AND ENSURE CLEAR LINE OF SIGHT OF FLASHERS.

PHASE DIAGRAM



- ADVANCED TO LIMITED SERVICE OPERATIONS WHEN FULL TCG TIME HAS BEEN PROVIDED AND AT LEAST 5 SECONDS AFTER GD CIRCUIT CLOSURES.
- TCR = TRAFFIC CONTROL RELAY. PROVIDES ADVANCE PREEMPTION NOTIFICATION.
 GD = GATE DOWN RELAY. PROVIDES NOTIFICATION THAT RR ENTRANCE GATE DESCENT IS ALMOST COMPLETE.
 XR = CROSSING RELAY. PROVIDES NOTIFICATION THAT GRADE CROSSING WARNING DEVICES HAVE BEEN ACTIVATED.
- * = "NO RIGHT TURN" BLANKOUT SIGN ILLUMINATED WHILE XR CIRCUIT IS ACTIVATED.
 ** = "NO LEFT TURN" BLANKOUT SIGN ILLUMINATED WHILE XR CIRCUIT IS ACTIVATED.

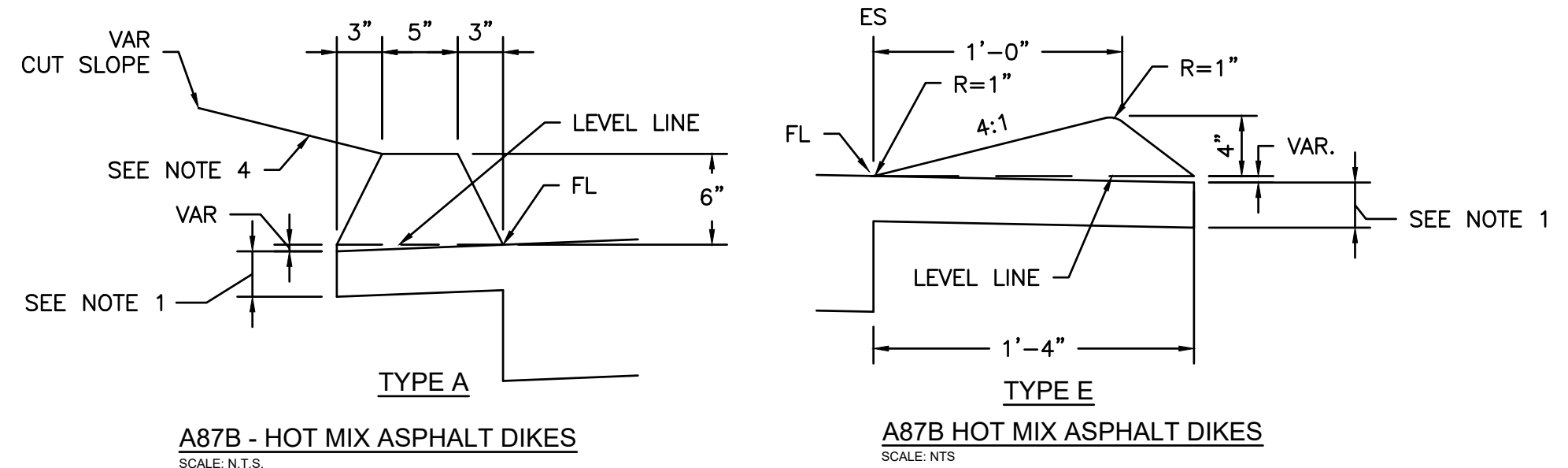
GENERAL NOTES (SHEETS 28 - 31 ONLY) (CONTINUED)

- SIGNS SHALL BE TYPE III OR IV RETROREFLECTIVE SHEETING PER ASTM D4956-09. ALL SIGNS SHALL BE COVERED WITH A TRANSLUCENT ANTI-GRAFFITI FLUOROPOLYMER FILM THAT DOES NOT IMPAIR THE REFLECTIVITY OF THE SIGN.
- THE CONTRACTOR SHALL CONTACT THE CITY OF FRESNO TRAFFIC OPERATIONS CENTER SUPERVISOR AT (559) 621-8669 TO OBTAIN I.T.S. EQUIPMENT SPECIFICATIONS PRIOR TO THE COMMENCEMENT OF WORK.
- TONEABLE CONDUIT SHALL BE CHECKED FOR CONTINUITY AND BE BOUNDED TO EARTH GROUND.
- CONDUITS EXITING THE CONTROLLER FOUNDATION AND ENTERING INTO THE CONTROLLER CABINET SHALL BE ALIGNED TO ENTER WITHIN THE TEES SPECIFIED CABINETS WITHOUT ANY MODIFICATIONS TO THE CABINET BASE.
- ALL RESURFACING SHALL MATCH EXISTING SURFACES AFTER SIGNAL FACILITIES ARE REMOVED AND/OR RELOCATED.
- ALL LUMINAIRE CIRCUITS SHALL BE FUSED. THE FUSE SHALL BE LOCATED IN THE LUMINAIRE AT EACH POLE (5 AMP KTK FUSE IN TRON HEB TYPE FUSE HOLDER). ALL POLE HAND COVERS SHALL BE WELDED BY CONTRACTOR AFTER FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL FURNISH AND INSTALL POLE NUMBERS WHEN PG&E INDICATES THE NUMBER. POLE NUMBERS SHALL BE SHOWN ON THE AS BUILT DRAWINGS.
- ACCESSIBLE PEDESTRIAN SIGNALS (APS) WILL NOT BE INSTALLED AND ARE NOT PART OF THIS PROJECT.
- CONTROLLER CABINET SHALL BE EQUIPPED WITH RAILROAD RELAY INTERFACE PANEL AND WIRED WITH 12-CSC FOR FOUR (4) RELAYS FOR COMMUNICATION BETWEEN THE TRAFFIC SIGNAL AND RAILROAD HOUSE. RELAYS ARE TO BE RUN ON 12V DC AND AS FOLLOWS:
 A. ADVANCE PREEMPTION
 B. SIMULTANEOUS PREEMPTION
 C. GATE DOWN RELAY
 D. HEALTH STATUS
- WORK PERFORMED IN UPRR RIGHT-OF-WAY OR AFFECTING GRADE CROSSING OPERATIONS SHALL BE COORDINATED WITH UPRR REPRESENTATIVE PEGGY YGBUHAY AT (916) 789-5033 1 WEEK PRIOR TO COMMENCING. FOR ANY RAILROAD RELATED EMERGENCIES, CONTACT THE UPRR HOTLINE AT (800) 848-8715.
- ALL TRAFFIC SIGNAL AND STREET LIGHT MATERIALS SHALL BE APPROVED BY THE CITY OF FRESNO TSSL DIVISION PRIOR TO ORDERING OF MATERIALS. ALL MATERIALS NOT APPROVED PRIOR TO ORDERING SHALL BE SUBJECT TO REJECTION AT NO COST TO THE COUNTY.

DESIGNED: BB		DATE: 4/6/21	RECORD DRAWING		SCALE		PLANS PREPARED BY:		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING						
DRAWN: BB		DATE: 4/6/21	RESIDENT ENGINEER		Horiz. 0 20 40		WILLDAN Engineering		AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		TRAFFIC SIGNAL INSTALLATION PLAN						
CHECKED: VM		DATE: 4/6/21	DATE		VANESSA MUNOZ		13191 CROSSROADS PARKWAY NORTH, SUITE 405 INDUSTRY, CA 91746-3497 (562) 908-6200		ROAD NO. S0500/D0070		GOLDEN STATE BOULEVARD AT AMERICAN AVENUE						
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.												DRAWING NO. 11227		SHEET NO. 31		TOTAL 42	

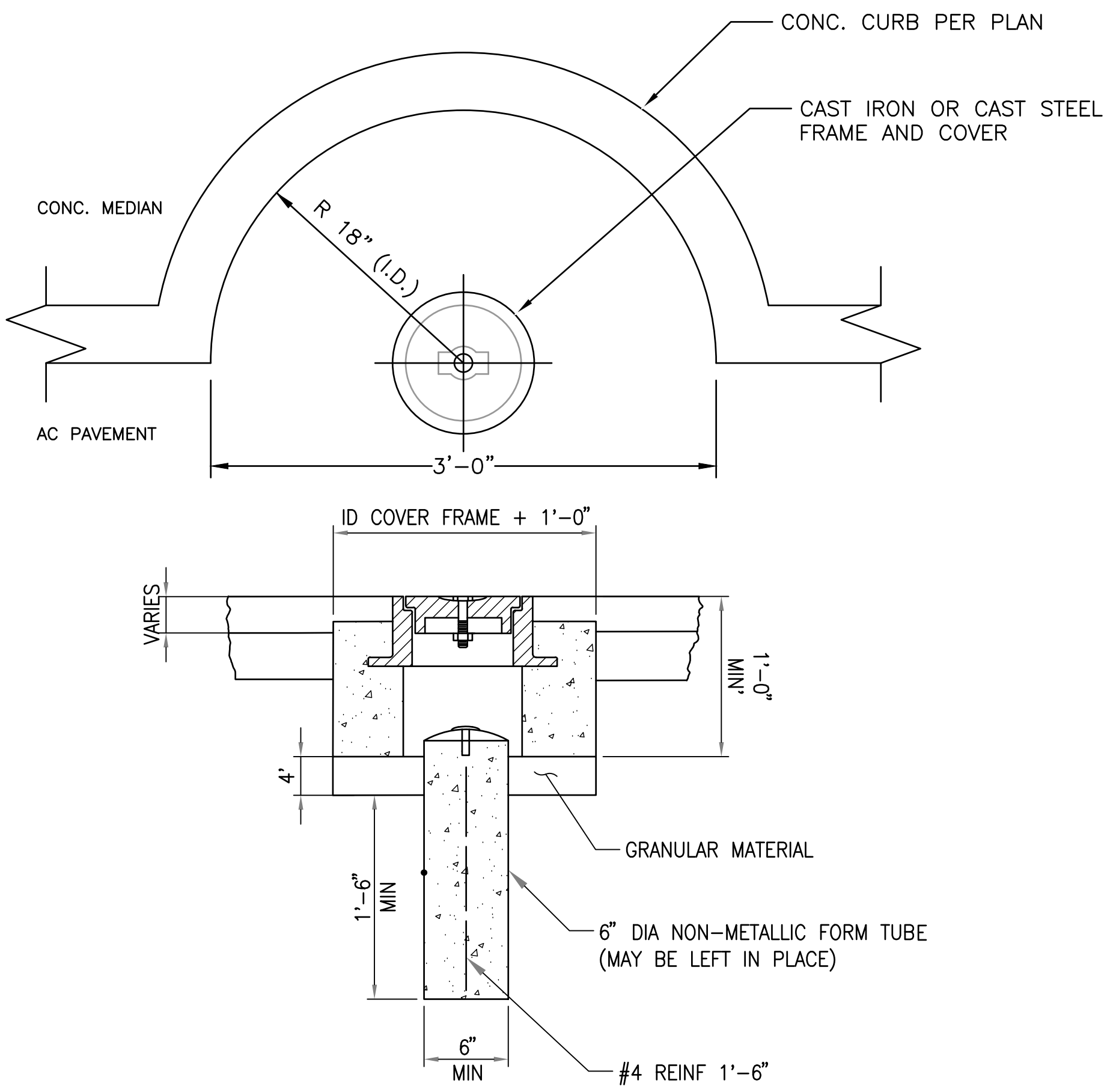
DIKE QUANTITIES	
TYPE	CUBIC YARDS PER LINEAR FOOT
A	0.0135
C	0.0038
D	0.0293
E	0.0130
F	0.0066

Quantities based on 5% cross slope.

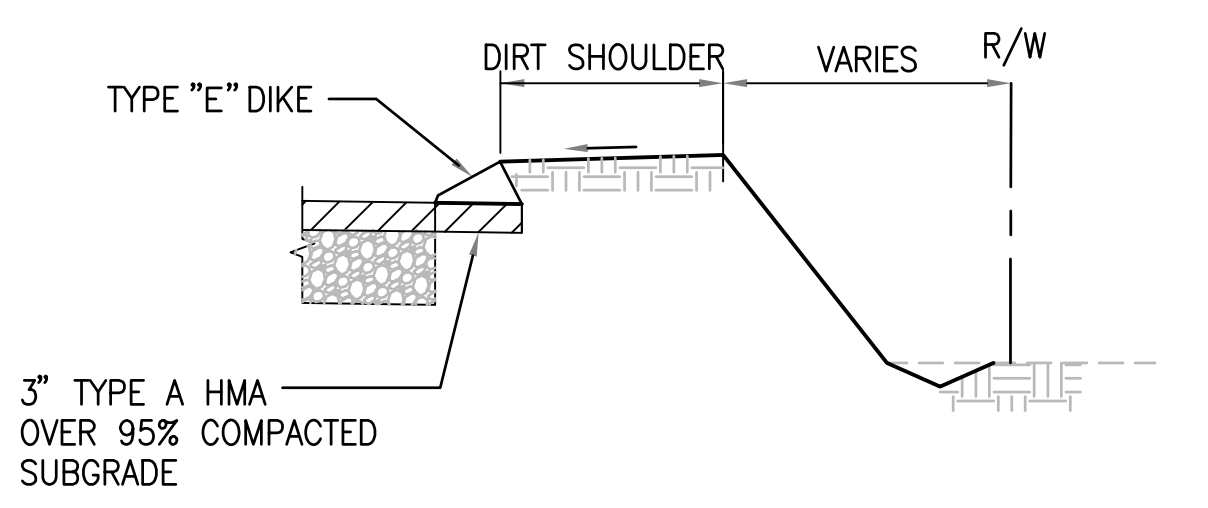


A87B - HOT MIX ASPHALT DIKES
SCALE: N.T.S.

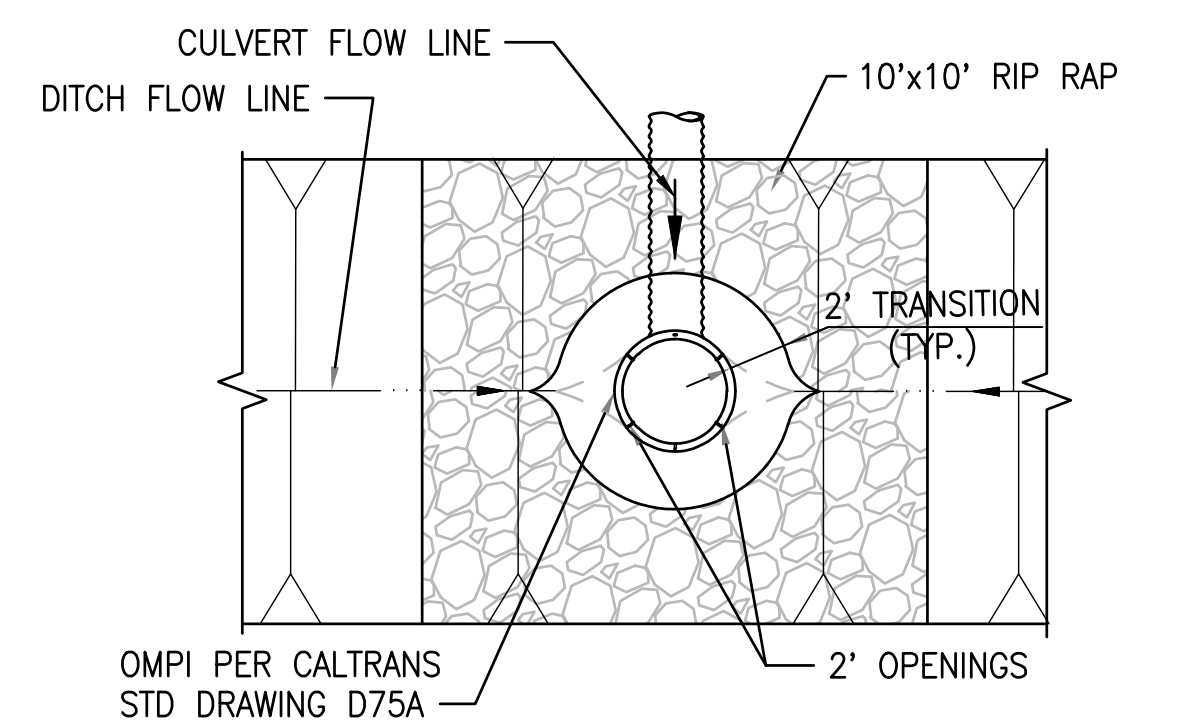
- NOTES:**
1. For HMA shoulders only, extend top layer of HMA placed on the shoulder under dike with no joint at the ES. For projects with OGFC shoulders, do not extend OGFC under dike. See project plans for modified dike detail.
 2. Case R applies to retrofit only projects where restrictive conditions do not provide enough width for Case F backfill.
 3. Type A dike only to be used where restrictive slope conditions do not provide enough width to use Type D or Type E dike.
 4. Fill and compact with excavated material to top of dike.



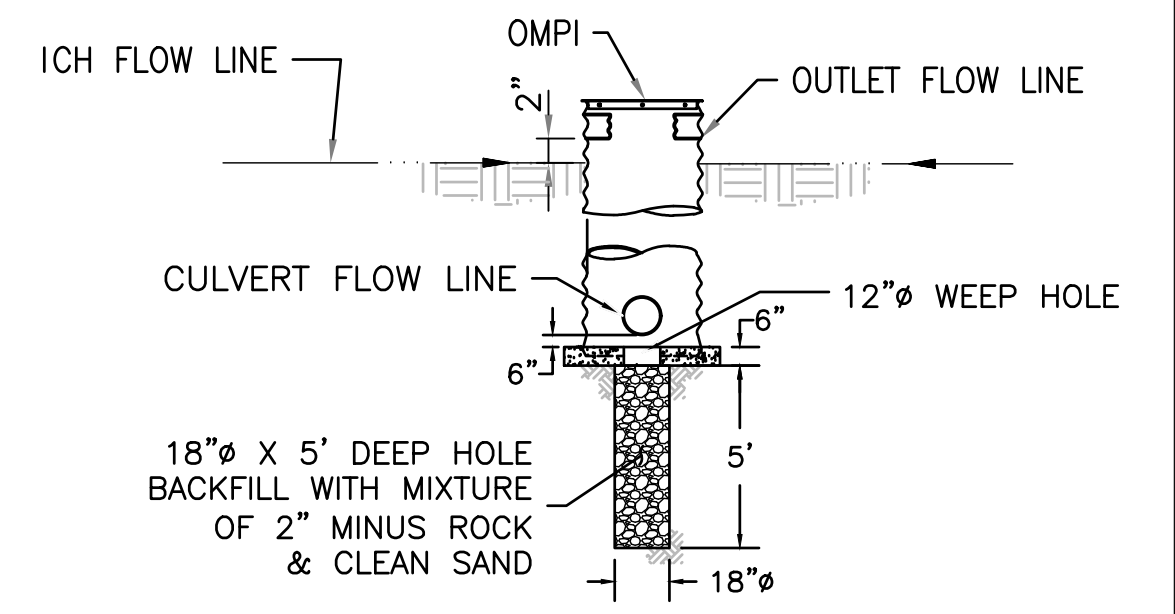
SURVEY MONUMENT TYPE D
SCALE: NONE PER CALTRANS STD PLAN A74



TYPICAL FILL WITH TYPE "E" DIKE
(CASE F)
SCALE: NO

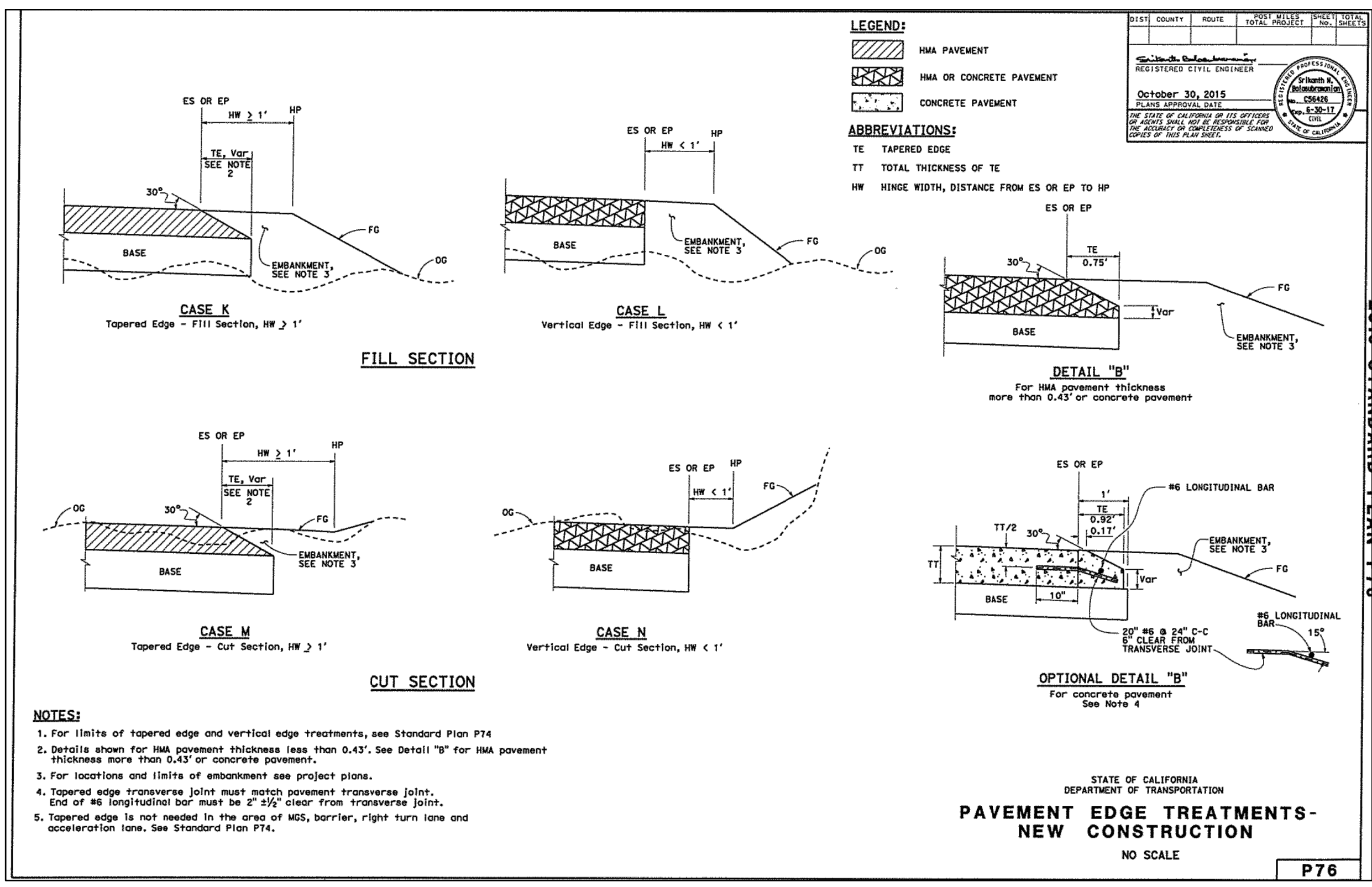


OMPI PLAN VIEW



OMPI PROFILE VIEW

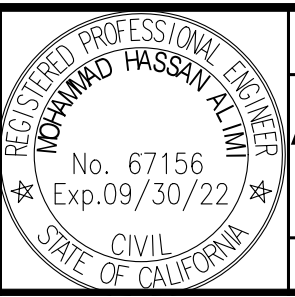
OMPI DETAIL
SCALE: NONE



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT EDGE TREATMENTS - NEW CONSTRUCTION
NO SCALE

DESIGNED:	DATE	RECORD DRAWING	SCALE
D.K.	10/01/2019	RESIDENT ENGINEER	
DRAWN:	DATE		
I.M./J.D.	12/16/2019		
CHECKED:	DATE		
S.A.	07/01/2020		

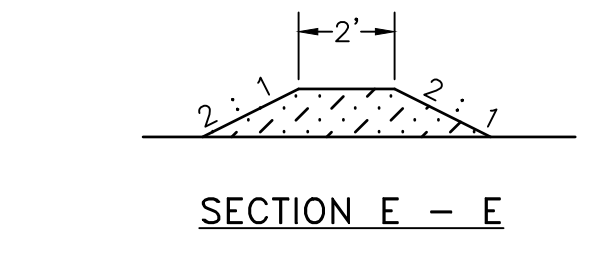
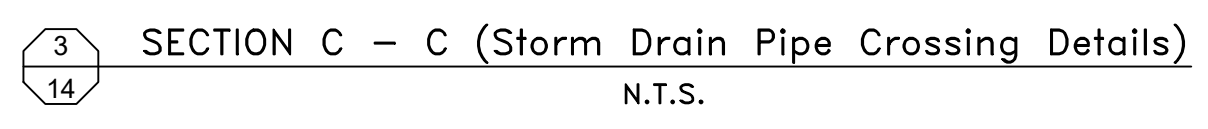
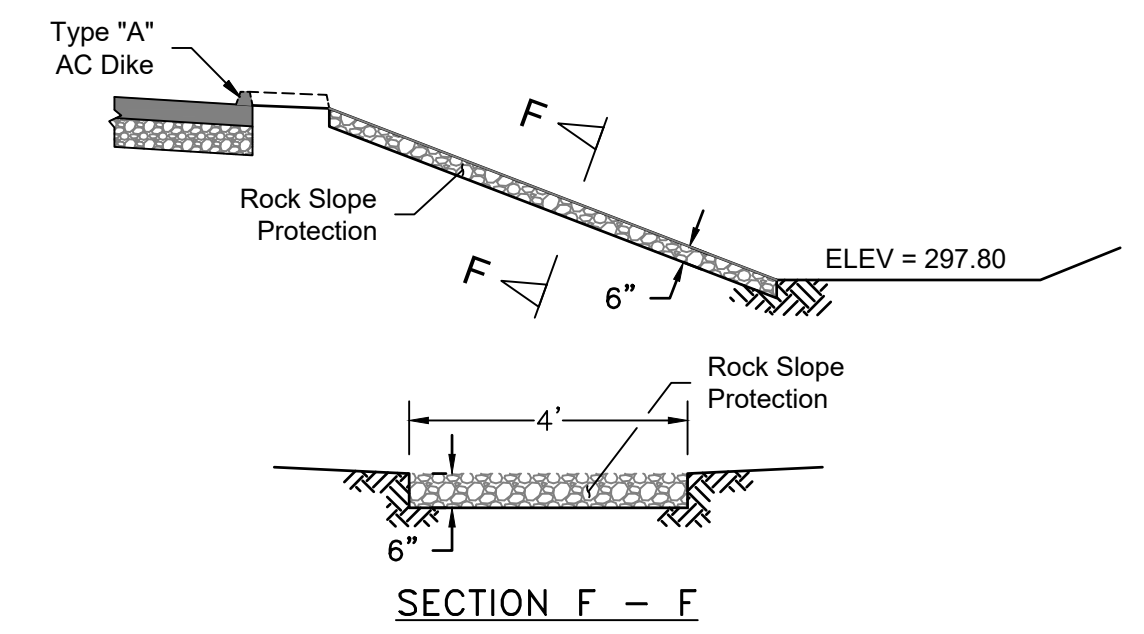
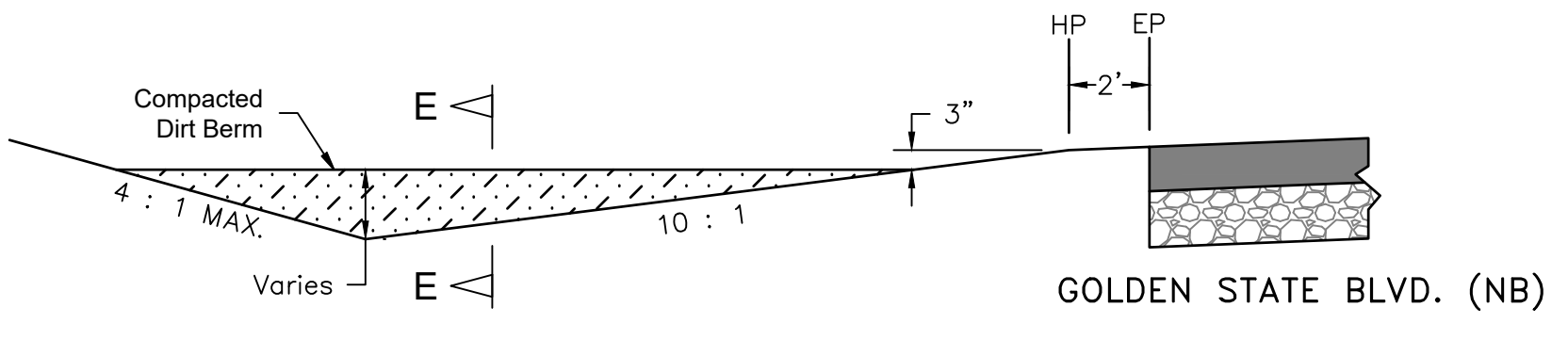
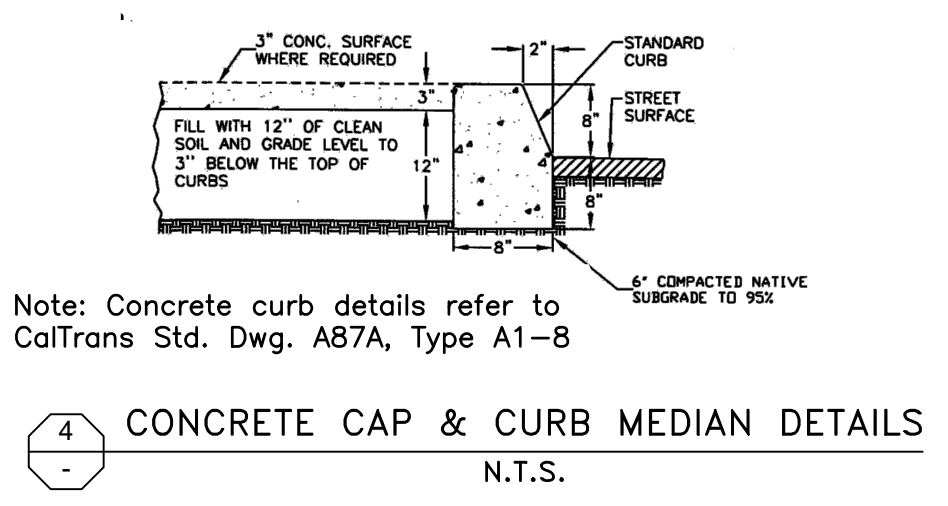
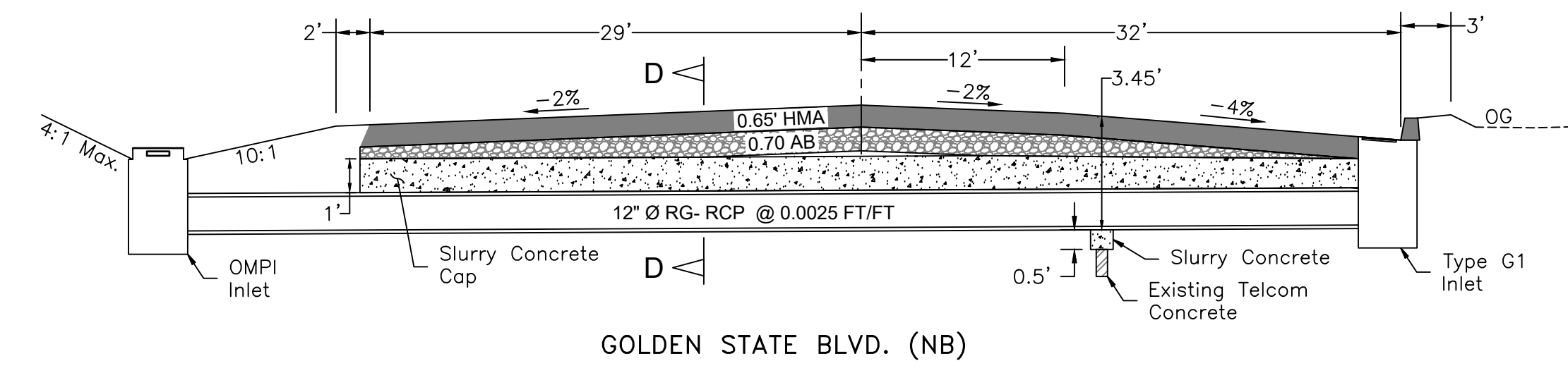
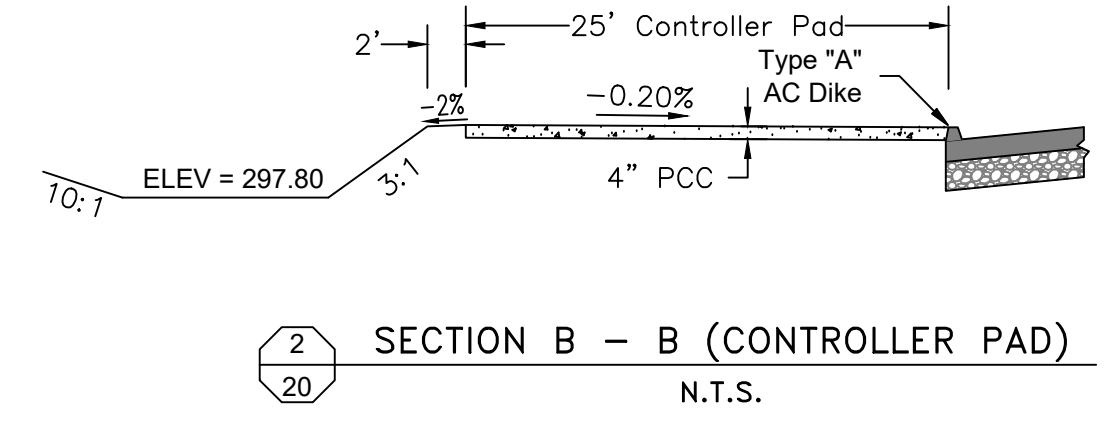
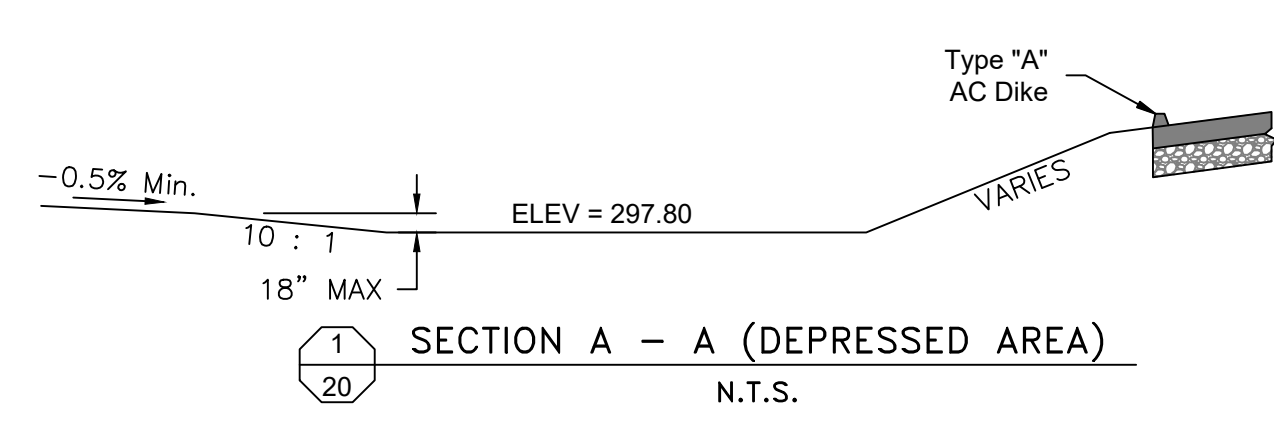
[Signature]
SUPERVISING ENGINEER
4/9/2021
DATE






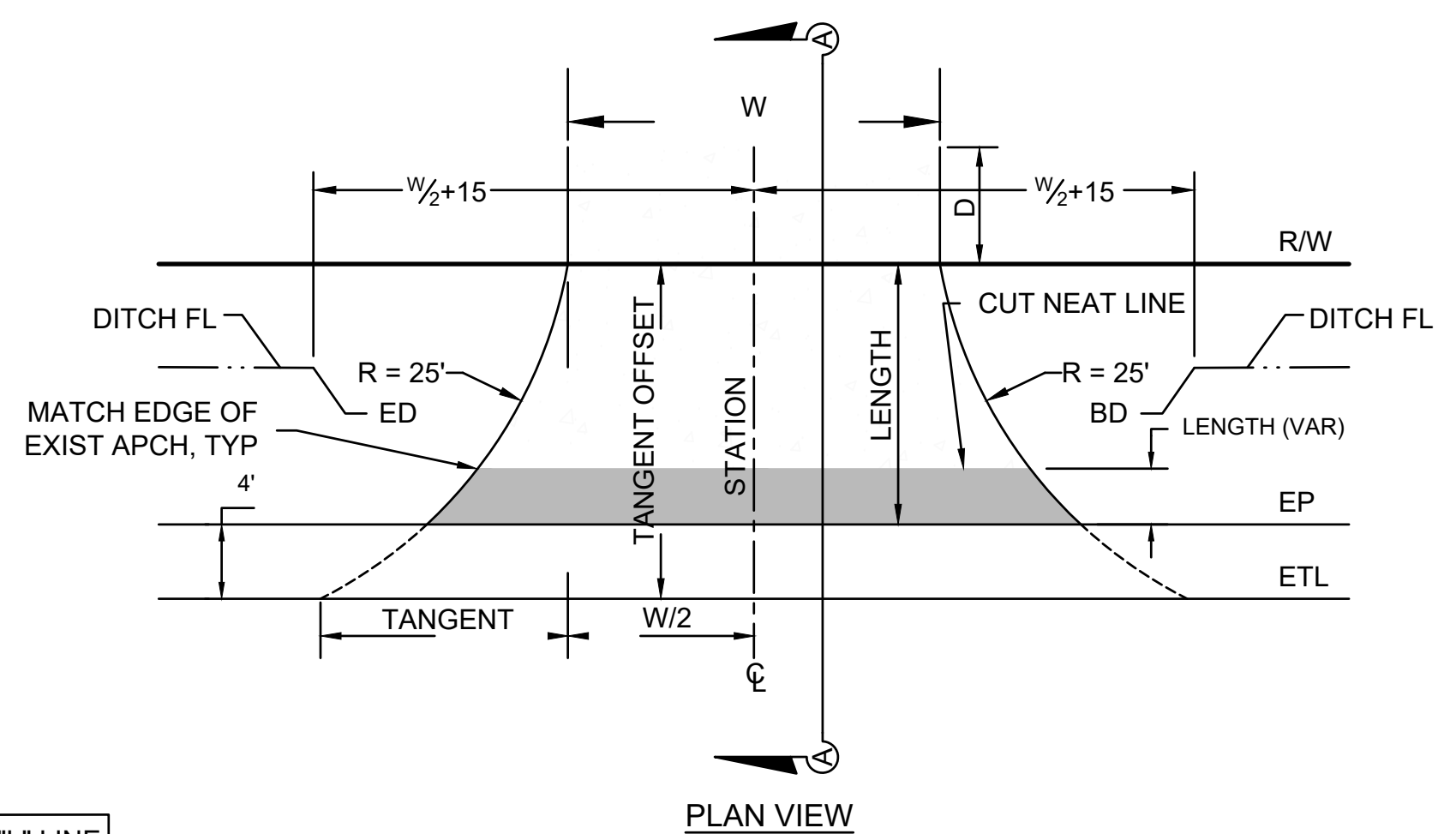
PROJECT
AMERICAN AVE. AND GOLDEN STATE BLVD.
INTERSECTION IMPROVEMENTS
ROAD NO. S0500/D0070 BRIDGE NO. N/A



DEPARTMENT OF PUBLIC WORKS AND PLANNING
TYPICAL CONSTRUCTION DETAILS
ROAD RECONSTRUCTION
DRAWING NO. 11227 SHEET NO. 32 TOTAL 42

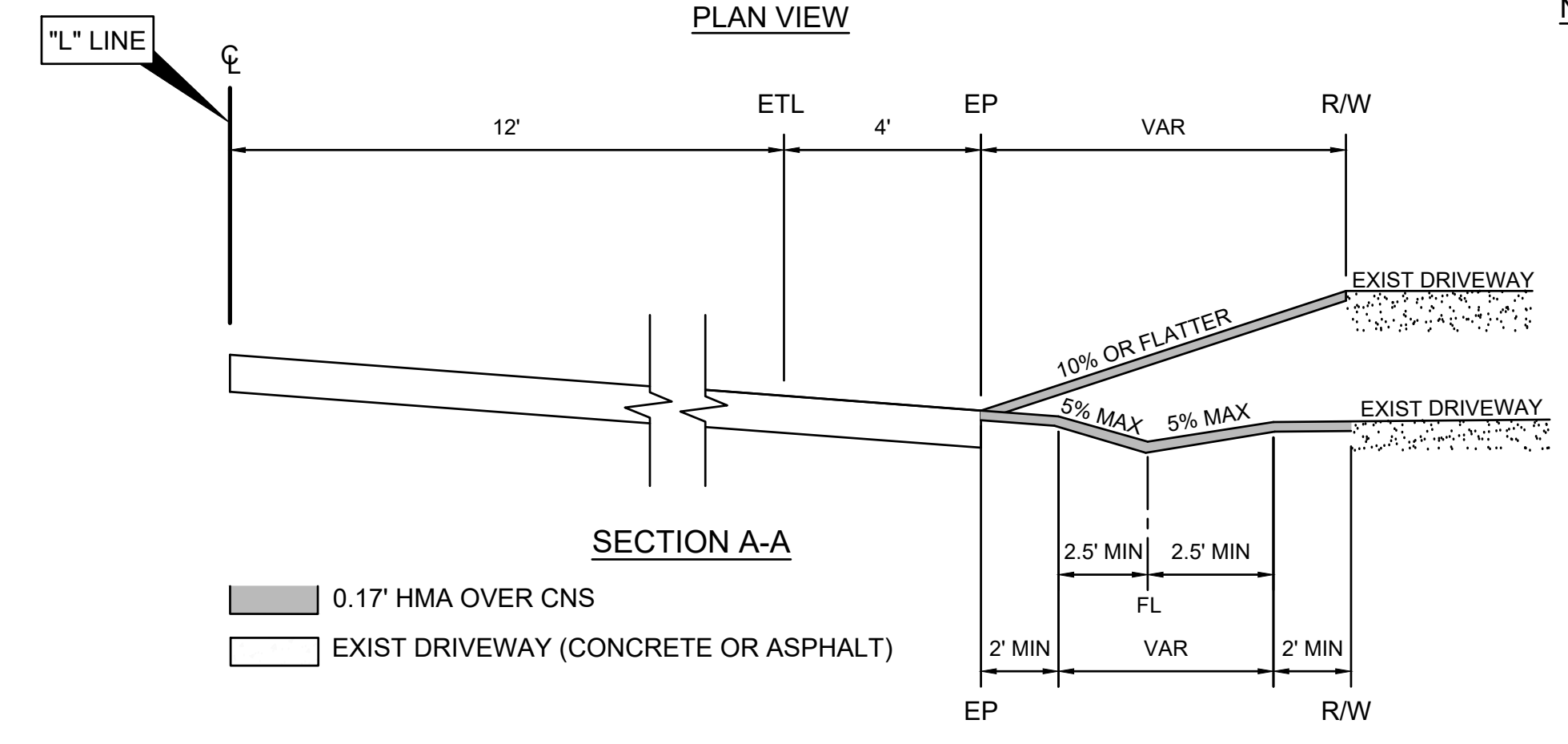


DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE	 REGISTERED PROFESSIONAL ENGINEER MOHAMMAD HASSAN No. 67156 Exp. 09/30/22 CIVIL STATE OF CALIFORNIA	PROJECT	 DEPARTMENT OF PUBLIC WORKS AND PLANNING TYPICAL CONSTRUCTION DETAILS ROAD RECONSTRUCTION		
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER					AMERICAN AVE. AND GOLDEN STATE BLVD.		ROAD NO. S0500/D0070	BRIDGE NO. N/A
CHECKED: S.A.	DATE: 07/01/2020						INTERSECTION IMPROVEMENTS			
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.										
						DRAWING NO. 11227		SHEET NO. 33	TOTAL 42	

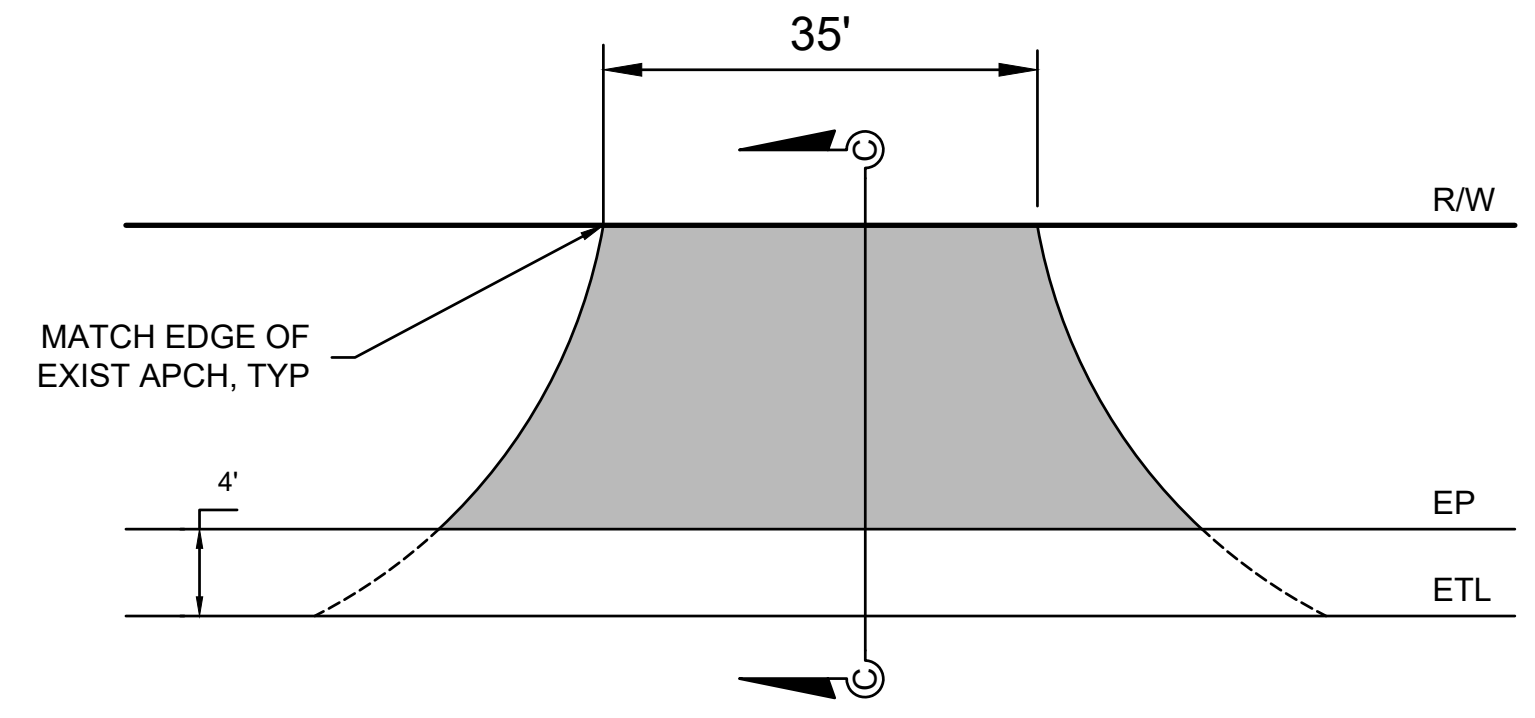


NOTES:
 $TANGENT\ OFFSET = \sqrt{25 - 625 - TANGENT^2}$
 $TANGENT = \sqrt{TANGENT\ OFFSET(50 - TANGENT\ OFFSET)}$

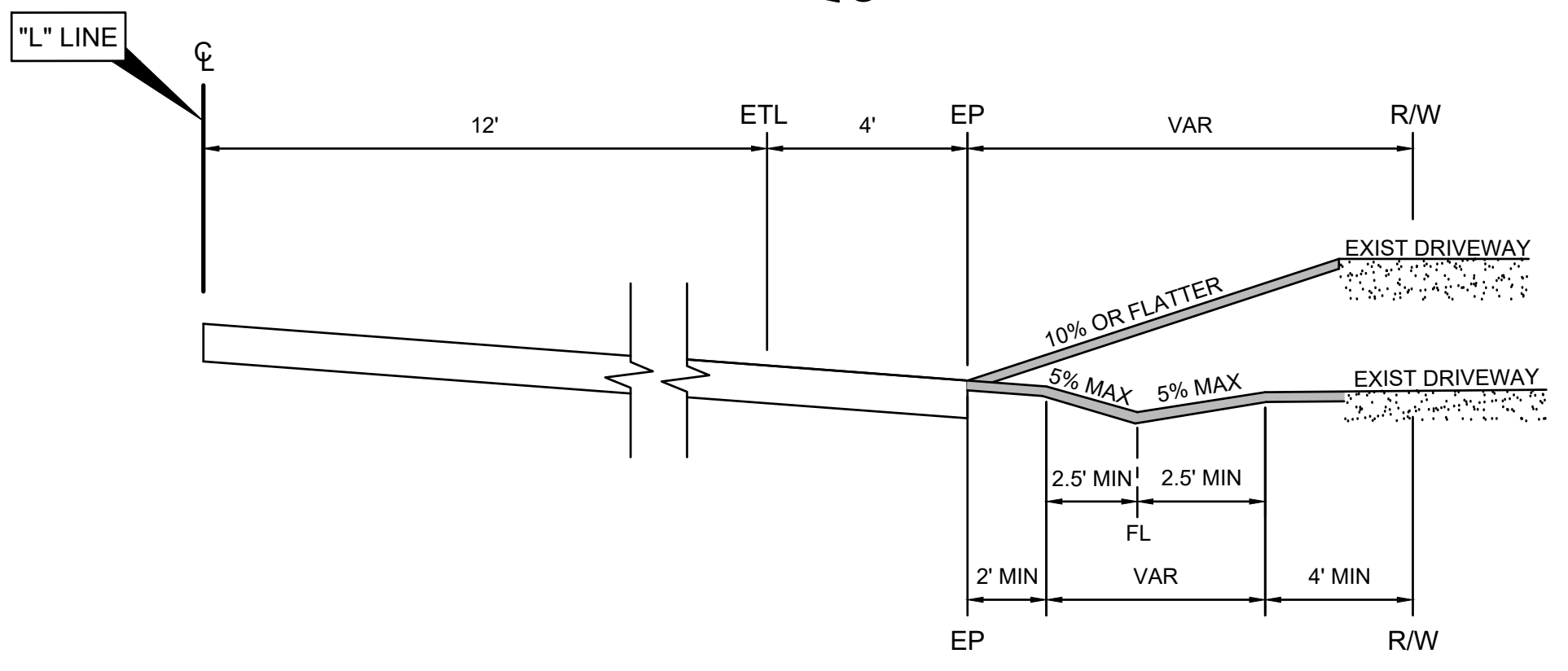
TANGENT OFFSET	TANGENT
1	7.0
2	9.8
4	13.6
6	16.2
8	18.3
10	20.0
12	21.4
14	22.4
16	23.3
18	24.0
20	24.5
22	24.8
25	25.0



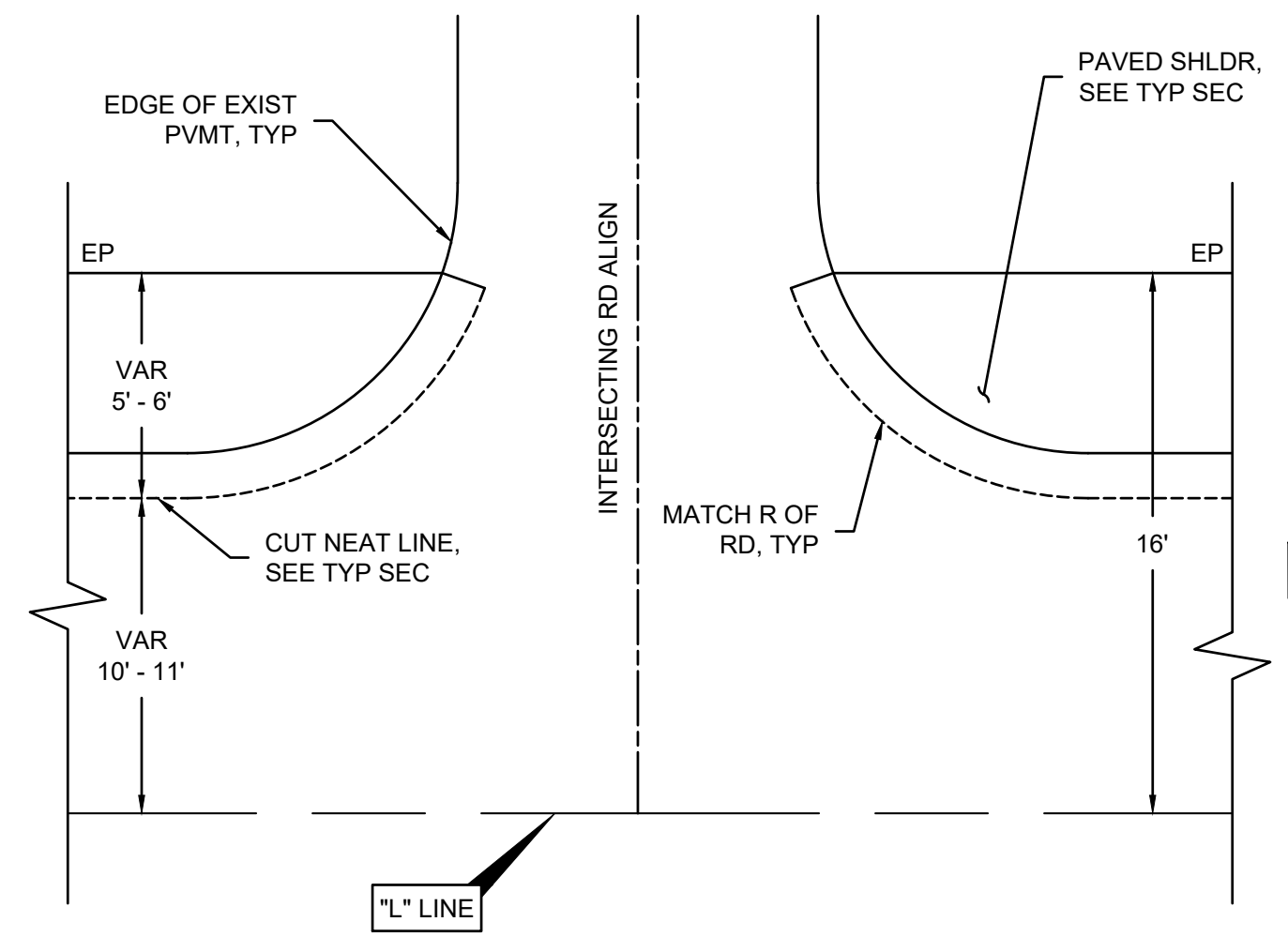
NOTES:
 A1 (W) $\frac{STA}{D}$ DENOTES AC DRIVEWAY (MA)
 A1 (W) $\frac{STA}{D}$ DENOTES DIRT DRIVEWAY PER DETAIL "B" BELOW
 W DENOTES NARROW DRIVEWAY WIDTH
 D DENOTES MATCH DISTANCE BEYOND R/W, IF NONE SHOWN, D=0' AND MATCH AT R/W
 A1 DENOTES ALTERNATE DRIVEWAY SECTION
 A2 DENOTES ALTERNATE DRIVEWAY SECTION
 * CNS WHERE SHOWN ON PLANS



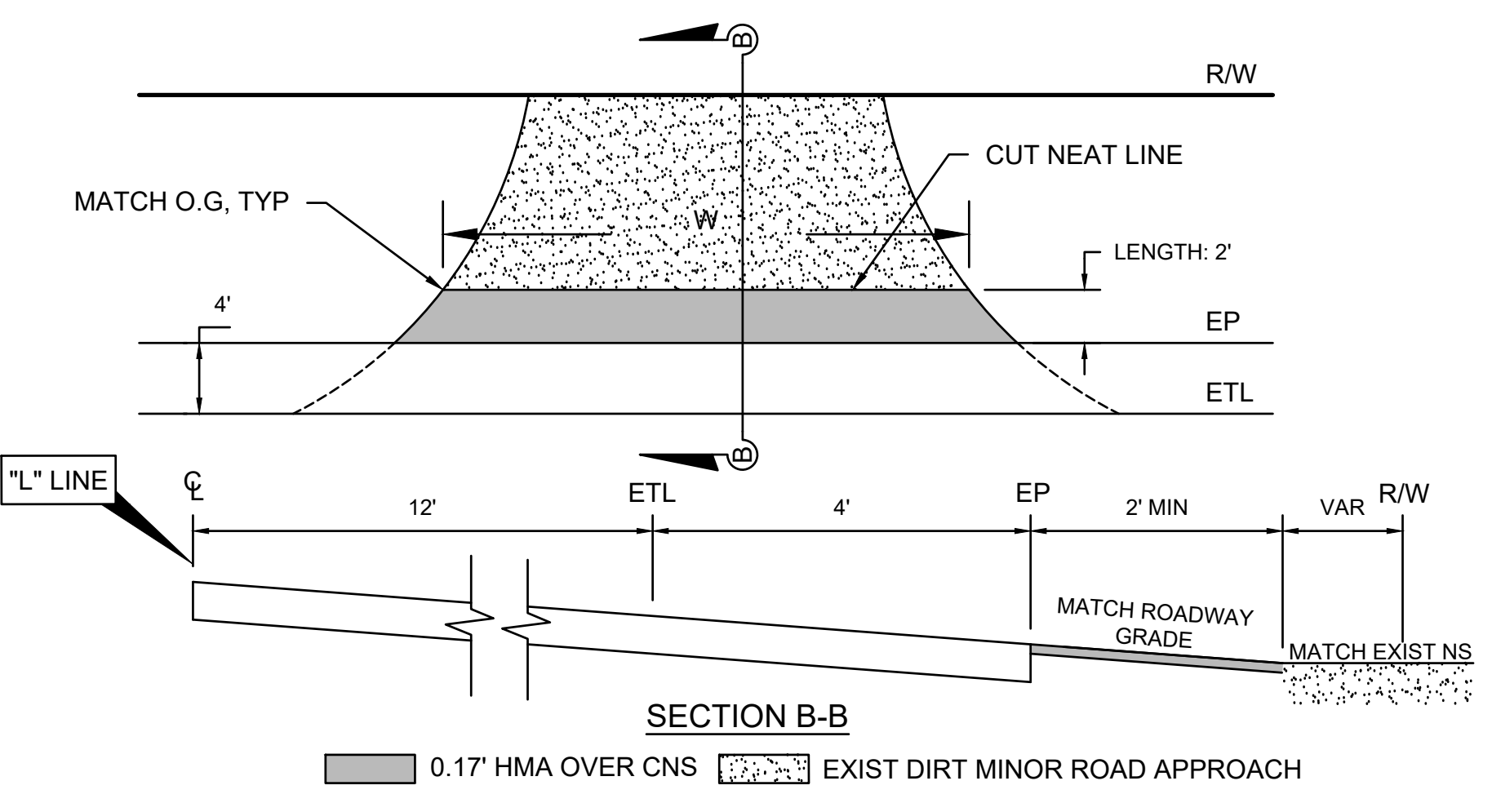
(C) TYPICAL PAVED DRIVEWAY APPROACH DETAIL (MA)
 SCALE: N.T.S.



(A) IMPROVED DRIVEWAY APPROACH DETAIL AT STATION 118+96 (MA)
 SCALE: N.T.S.

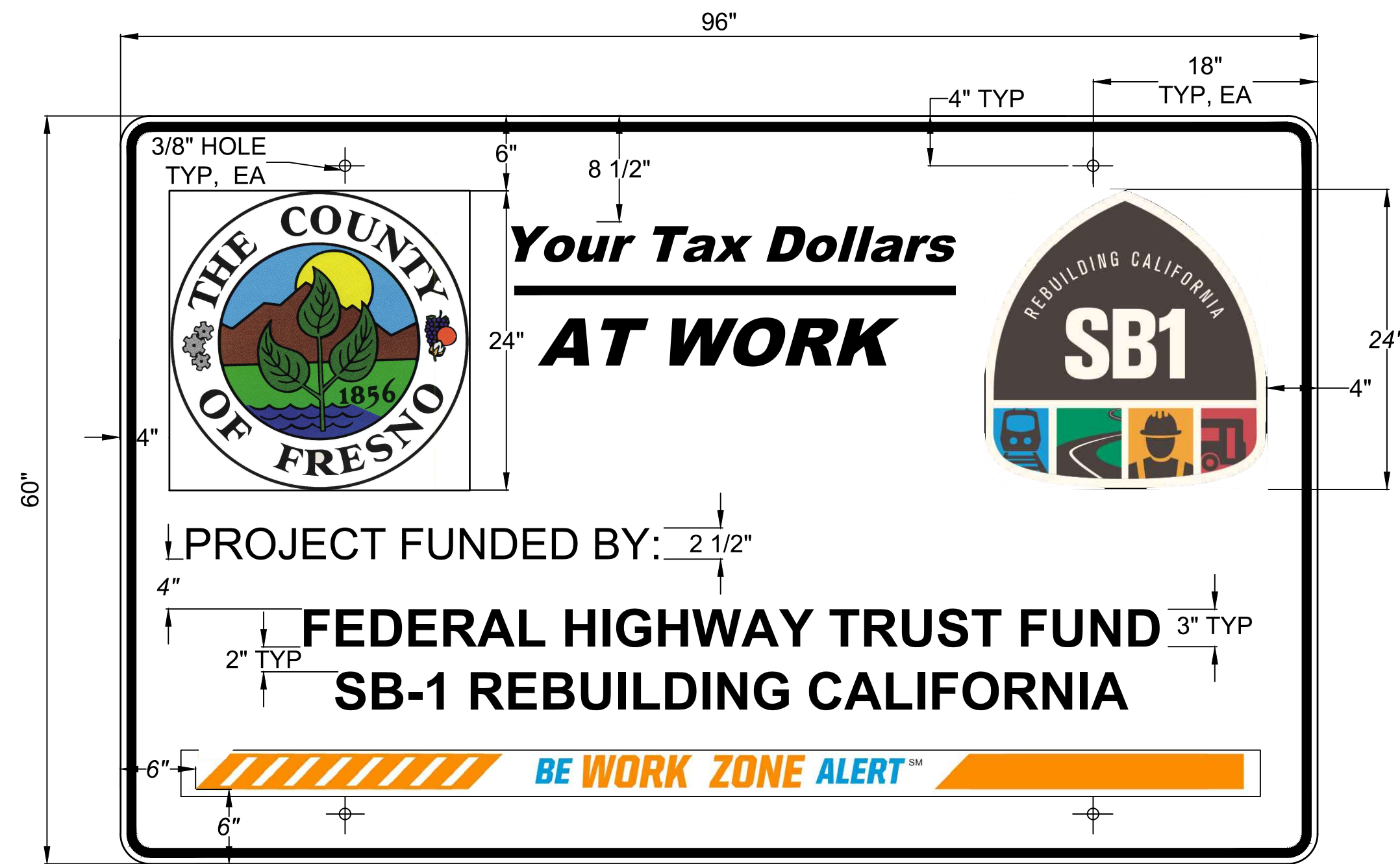


(D) TYPICAL INTERSECTING ROAD TIE-IN DETAIL
 SCALE: N.T.S.



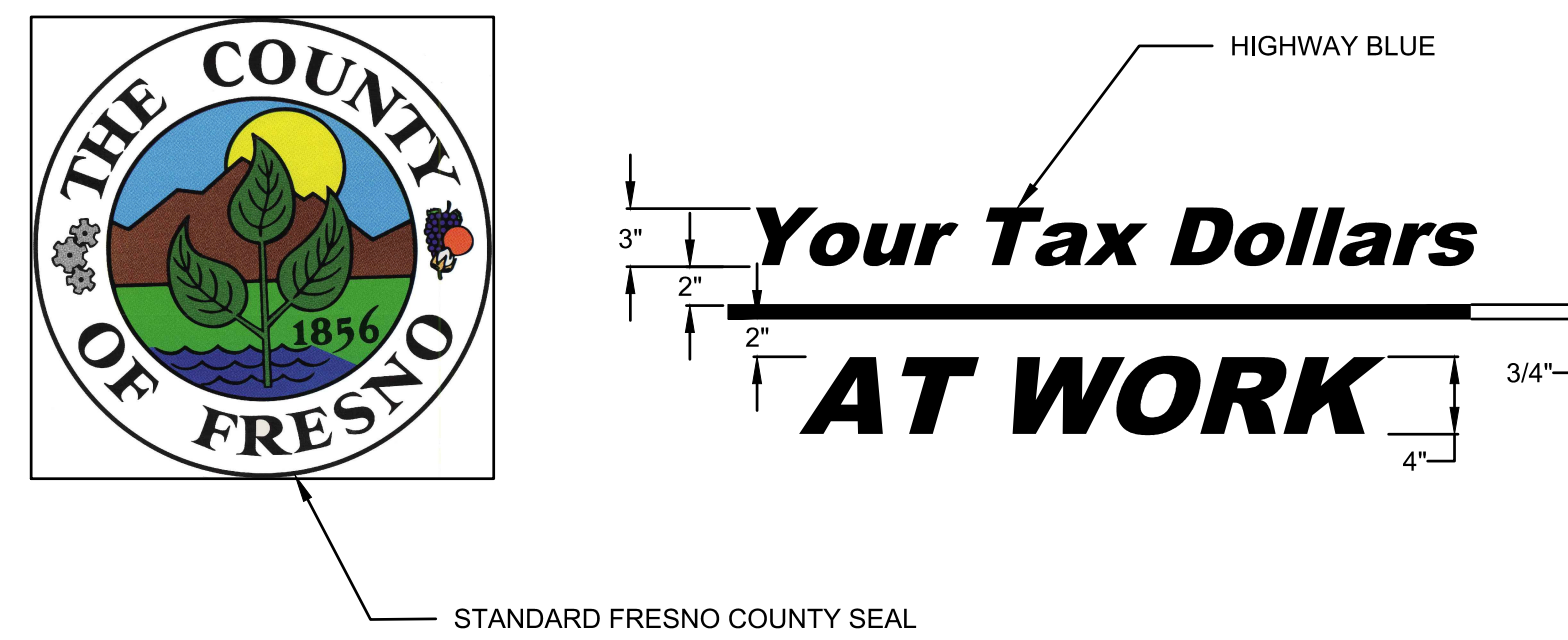
(B) TYPICAL "WING OUT" DIRT MINOR ROAD APPROACH DETAIL
 SCALE: N.T.S.

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER			AMERICAN AVE. AND GOLDEN STATE BLVD.		TYPICAL CONSTRUCTION DETAILS
CHECKED: S.A.	DATE: 07/01/2020				INTERSECTION IMPROVEMENTS		ROAD RECONSTRUCTION
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.					SUPERVISING ENGINEER		ROAD NO. S0500/D0070
				DATE: 4/9/2021			SHEET NO. 34
							TOTAL 42



SEE DRAWING NO. 02 FOR OTHER DETAILS


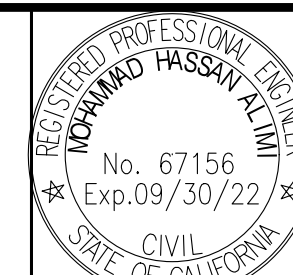

DRAWING No. 01



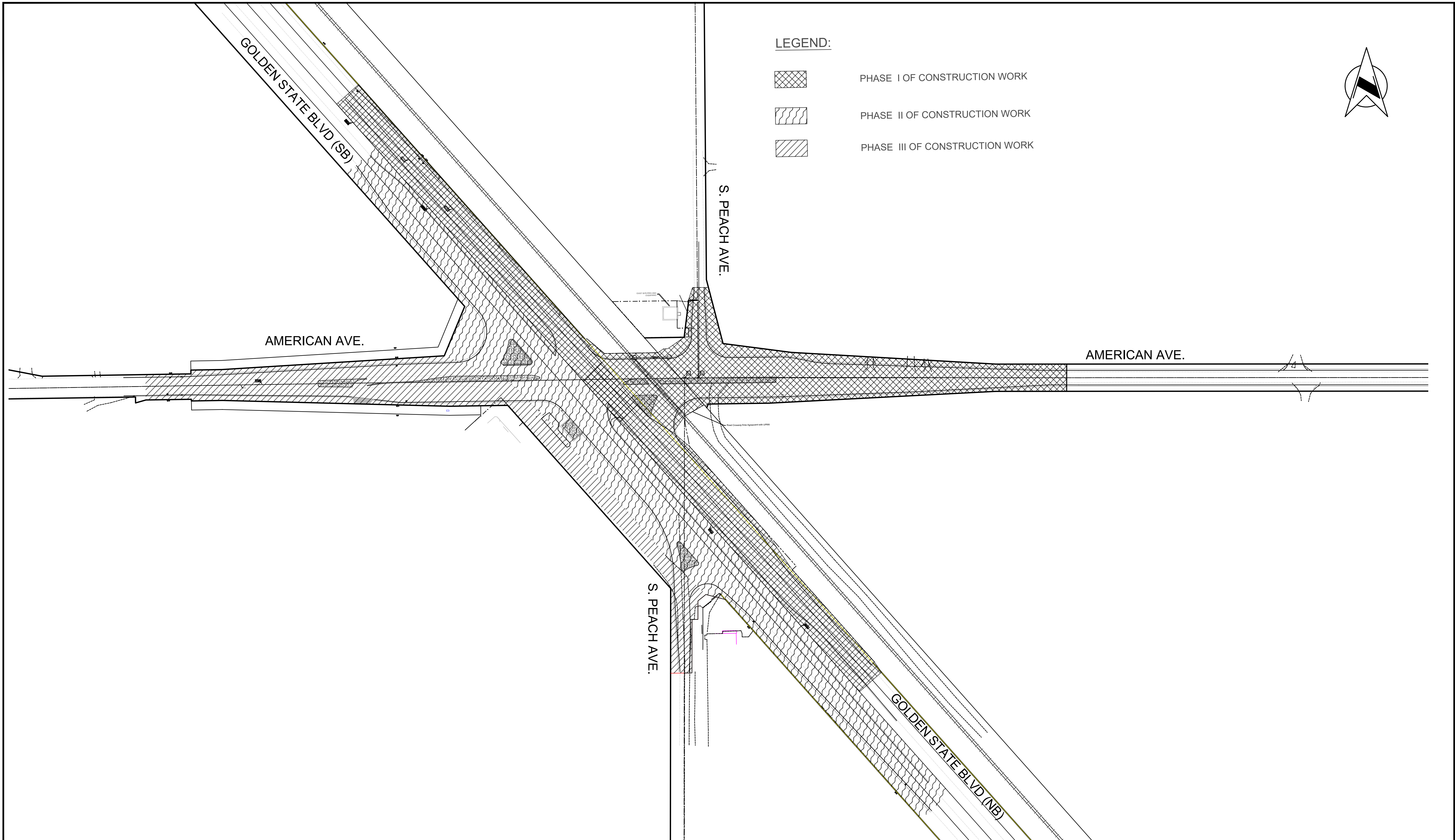
NOTES

1. THE SIGN LEGEND SHALL BE BLACK ON A WHITE BACKGROUND (NON-REFLECTIVE)
2. THE SIGN BORDER SHALL BE BLUE (NON-REFLECTIVE)
3. PROJECT FUNDING SIGNS SHALL CONFORM TO SECTION 82 OF THE 2015 CALTRANS STANDARD SPECIFICATIONS
4. THE DEPARTMENT'S DESIGN DIVISION WILL PROVIDE AN ADHESIVE BACKED COPY OF THE COUNTY SEAL TO BE LOCATED AS SHOWN ON DRAWING NO. 01

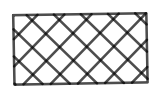
DRAWING No. 02

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE	 SUPERVISING ENGINEER	4/9/2021 DATE	 PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	 DEPARTMENT OF PUBLIC WORKS AND PLANNING FUNDING SIGNS ROAD RECONSTRUCTION
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER					
CHECKED: S.A.	DATE: 07/01/2020						
ROAD NO. S0500/D0070 BRIDGE NO. N/A DRAWING NO. 11227 SHEET NO. 35 TOTAL 42							

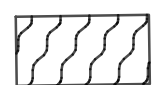
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



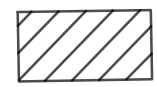
LEGEND:



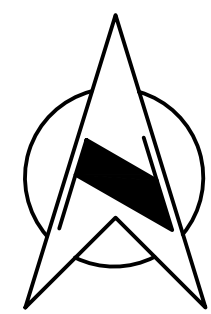
PHASE I OF CONSTRUCTION WORK



PHASE II OF CONSTRUCTION WORK



PHASE III OF CONSTRUCTION WORK



DESIGNED: D.K.		DATE	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		10/01/2019	RESIDENT ENGINEER	DATE	0 100' 200'		AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		CONSTRUCTION PHASE PLAN AMERICAN AVENUE AND GOLDEN STATE BLVD	
CHECKED: S.A.		12/16/2019					ROAD NO. S0500/D0070 BRIDGE NO. N/A		DRAWING NO. 11227 SHEET NO. 36 TOTAL 42	
		07/01/2020					SUPERVISING ENGINEER		THE COUNTY OF FRESNO	
							4/9/2021			
							DATE			

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.

NOTE:

THESE PLANS REPRESENT A CONCEPTUAL TEMPORARY TRAFFIC DIVERSION DURING RECONSTRUCTION OF GOLDEN STATE BLVD. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING FOR APPROVAL OF A TRAFFIC CONTROL PLAN DEPICTING TEMPORARY SIGNAGE, STRIPING, AND DELINEATORS MEETING CA MUTCD, SPECIAL PROVISIONS AND STATE STANDARD SPECIFICATIONS. MERGING AND SHIFTING LENGTHS DEPICTED ON THIS PLAN ARE MINIMUM AND CANNOT BE REDUCED.

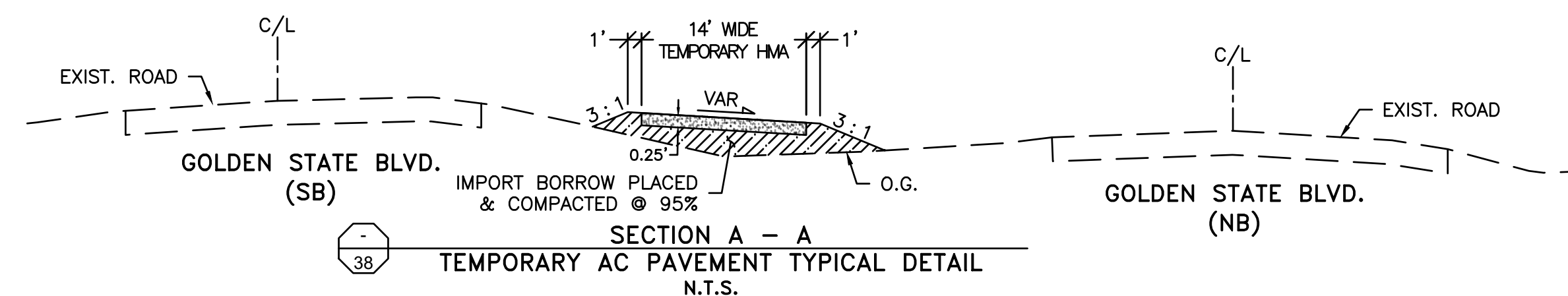
REFER TO SPECIAL PROVISION SECTION 12-5 TEMPORARY MEDIAN TRANSITION FOR CONSTRUCTION AND PAYMENT.

CONSTRUCTION STAGING NOTES:

1. REMOVE ALL EXISTING TRAFFIC STRIPES THAT CONFLICT WITH TEMP. DETOUR.
2. SAW CUT EXISTING PAVEMENT EDGE STRAIGHT TO MATCH TEMP. PAVEMENT.
3. CLEARING AND GRUBBING ALL VEGETATION WITHIN THE AREA OF THE TEMPORARY PAVEMENT. CONTRACTOR SHALL PROTECT EXISTING PALM TREES.
4. CONTRACTOR TO GRADE THE TEMPORARY PAVEMENT WITH A MINIMUM OF ONE PERCENT (1%) CROSS SLOPE TO DIRECT SURFACE RUNOFF AWAY FROM TRAVEL LANES.
5. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE TEMPORARY PAVEMENT SURFACE DURING CONSTRUCTION.
6. BEFORE TRAFFIC IS ALLOWED BACK ON THE EXISTING ROAD, RE-STRIPE EXISTING ROAD, COMPLETELY REMOVE CONFLICTING TRAFFIC STRIPES, AND REMOVE ALL TEMPORARY DETOUR PAVEMENT AND RE-GRADE SITE TO PRE-CONSTRUCTION CONDITION.
7. AFTER TRAFFIC IS ALLOWED BACK ON THE EXISTING ROAD COMPLETELY REMOVE ALL TEMPORARY SIGNAGE.

LEGEND:

- TEMPORARY ASPHALT PAVEMENT (0.25' HMA/95% CNS)
- INDICATES TRAFFIC TRAVEL DIRECTION
- INDICATES TRAFFIC MERGING
- INDICATES TRAFFIC DELINEATORS (USE MINIMUM SPACING PER CA MUTCD)

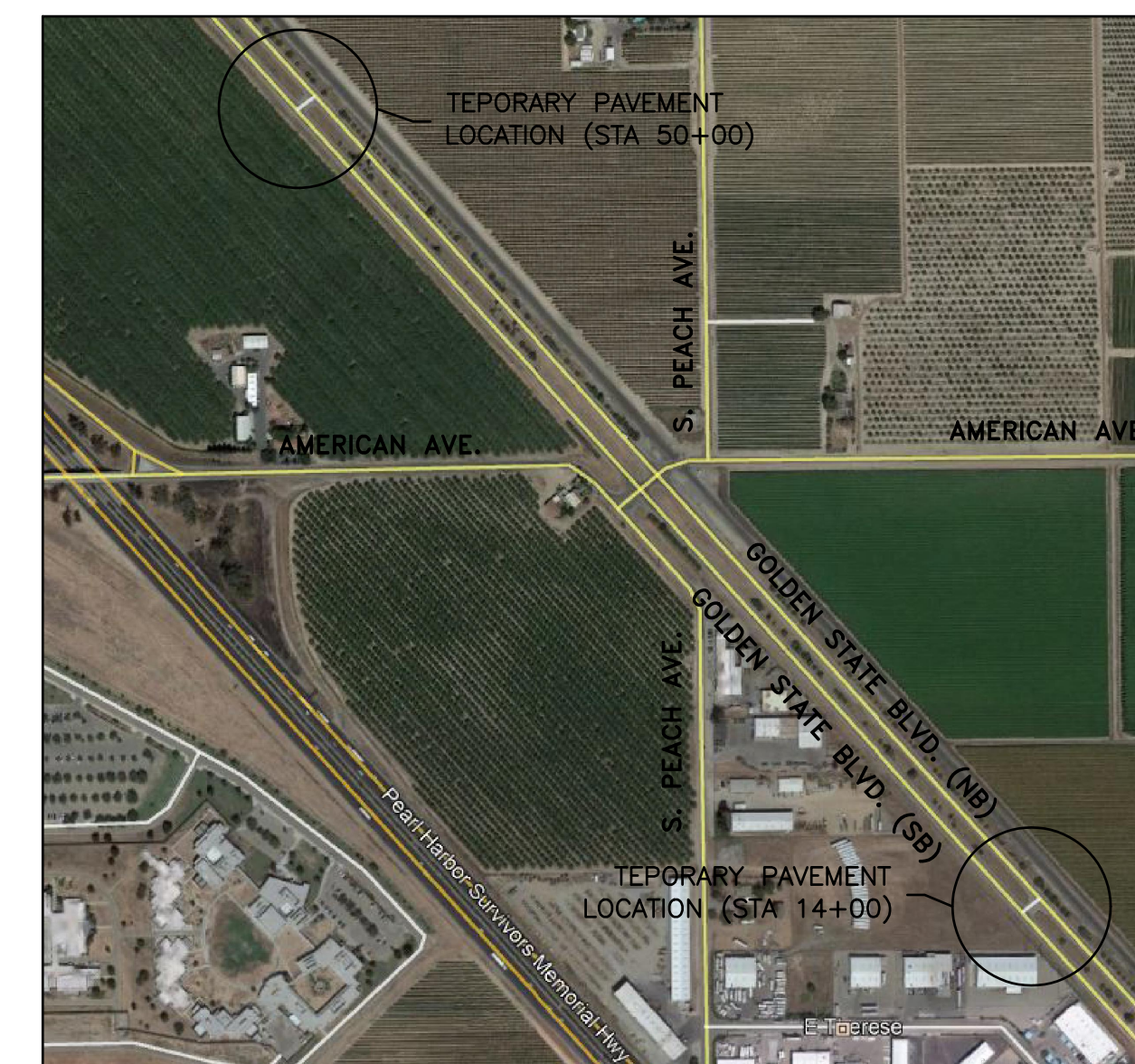


SPEED REDUCTION:

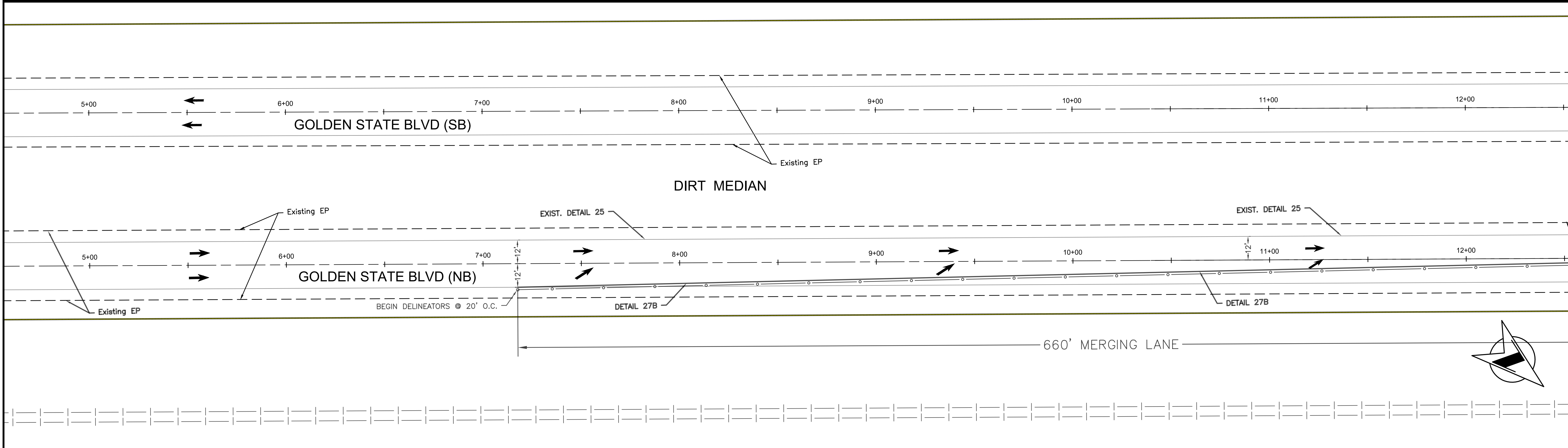
- CONTRACTOR WILL BE ALLOWED TO REDUCE THE SPEED FOR PUBLIC TRAFFIC PASSING THROUGH GOLDEN STATE BOULEVARD CONSTRUCTION ZONE TO 35 MPH AT THE POINT OF SHIFTING BOUND AS SHOWN HEREIN THESE PLANS.
- CONTRACTOR SHALL INSTALL PROPER SIGNAGE AND MESSAGE BOARDS TO PROVIDE A STEPPED DOWN SPEED REDUCTION MEETING CA MUTCD AND STANDARD SPECIFICATIONS.

STRIPING NOTES:

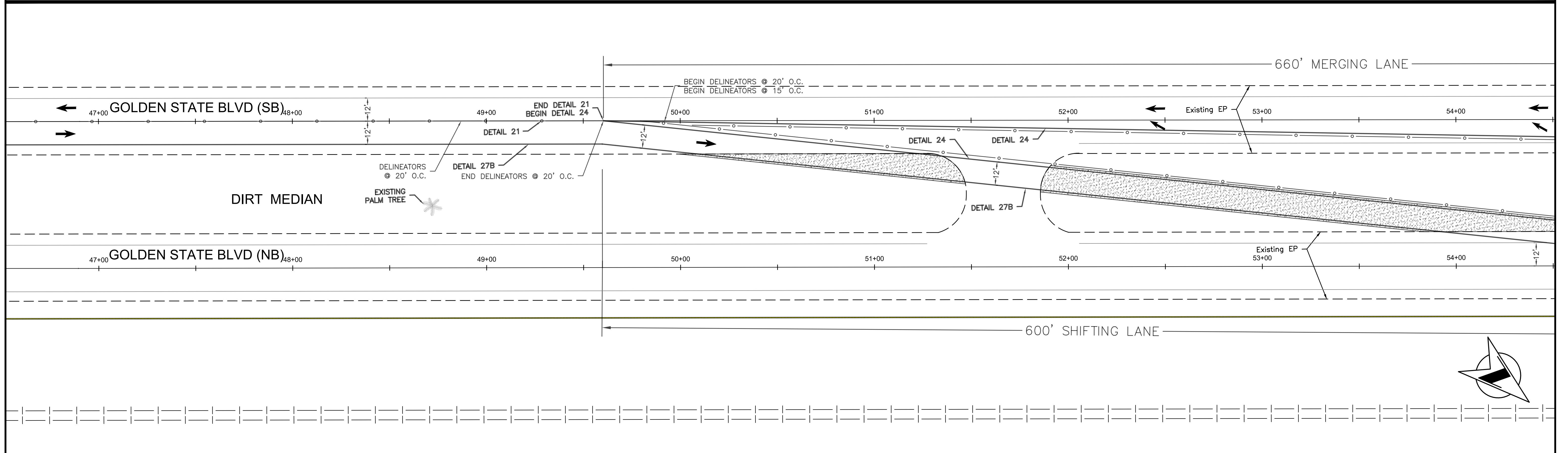
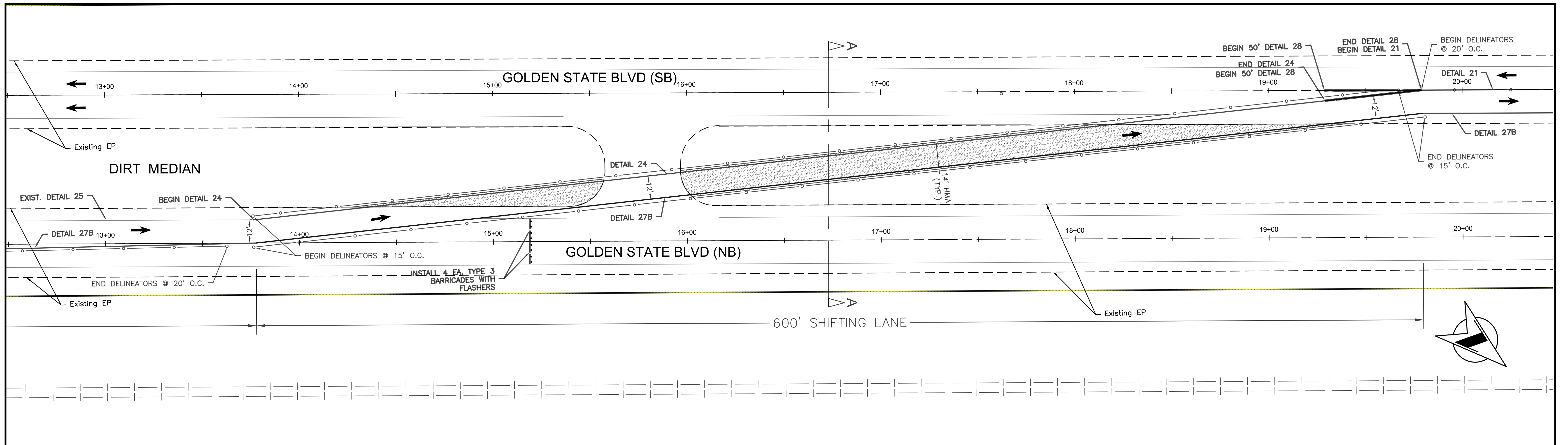
1. WORK SHALL BE DONE IN ACCORDANCE WITH THE 2015 STANDARD PLANS AND SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, SIGN SPECIFICATION SHEETS, THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), AND THE SPECIAL PROVISIONS.
2. STRIPE LENGTHS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD. ALL REFERENCES TO PAVEMENT MARKINGS SHALL INCLUDE STRIPING.
3. LIMIT LINES SHALL BE 12 INCHES IN WIDTH UNLESS INDICATED OTHERWISE.
4. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.
5. ALL EXISTING SIGNS NOT SHOWN ON THE PLANS TO REMAIN, OR BE RELOCATED, SHALL REMAIN, BE RELOCATED, OR SALVAGED AS DIRECTED BY THE ENGINEER.



TEMPORARY PAVEMENT LOCATION MAP N.T.S.

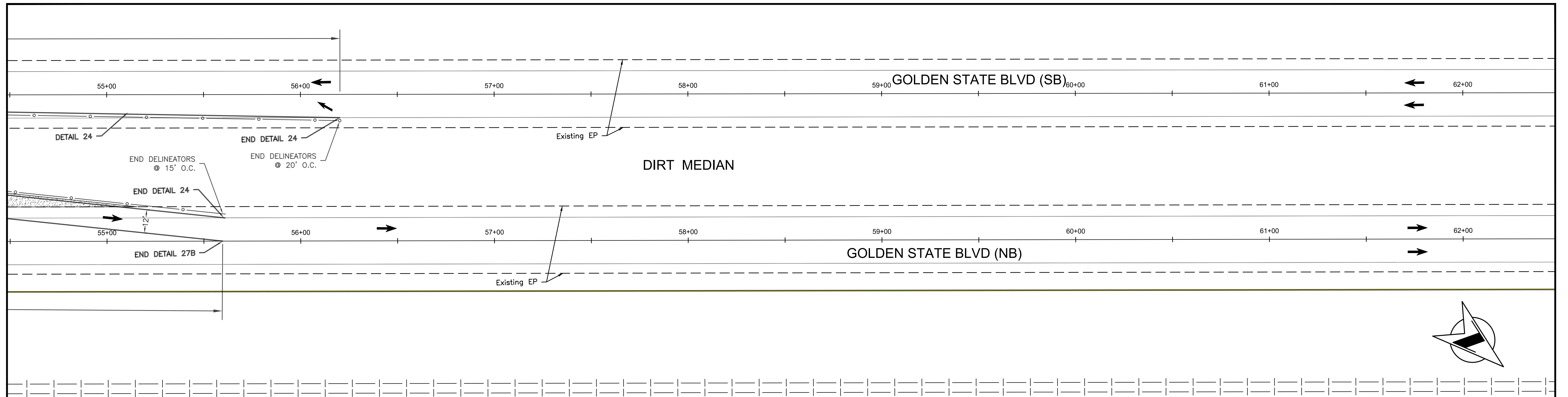


DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING		SCALE		 SUPERVISING ENGINEER	DATE: 4/9/2021		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	DATE: 12/16/2019			AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS					STAGING PLAN (NORTHBOUND)		
CHECKED: S.A.	DATE: 07/01/2020			ROAD NO. S0500/D0070					GOLDEN STATE BLVD.		
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.											
									DRAWING NO. 11227 SHEET NO. 37 TOTAL 42		



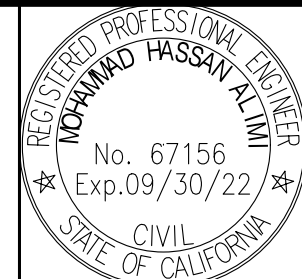
DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE: 0 25' 50'	 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		DEPARTMENT OF PUBLIC WORKS AND PLANNING STAGING PLAN (NORTHBOUND) GOLDEN STATE BLVD.					
DRAWN: I.M./J.D.	DATE: 12/16/2019									ROAD NO. S0500/D0070	BRIDGE NO. N/A	DRAWING NO. 11227	SHEET NO. 38	TOTAL 42
CHECKED: S.A.	DATE: 07/01/2020													

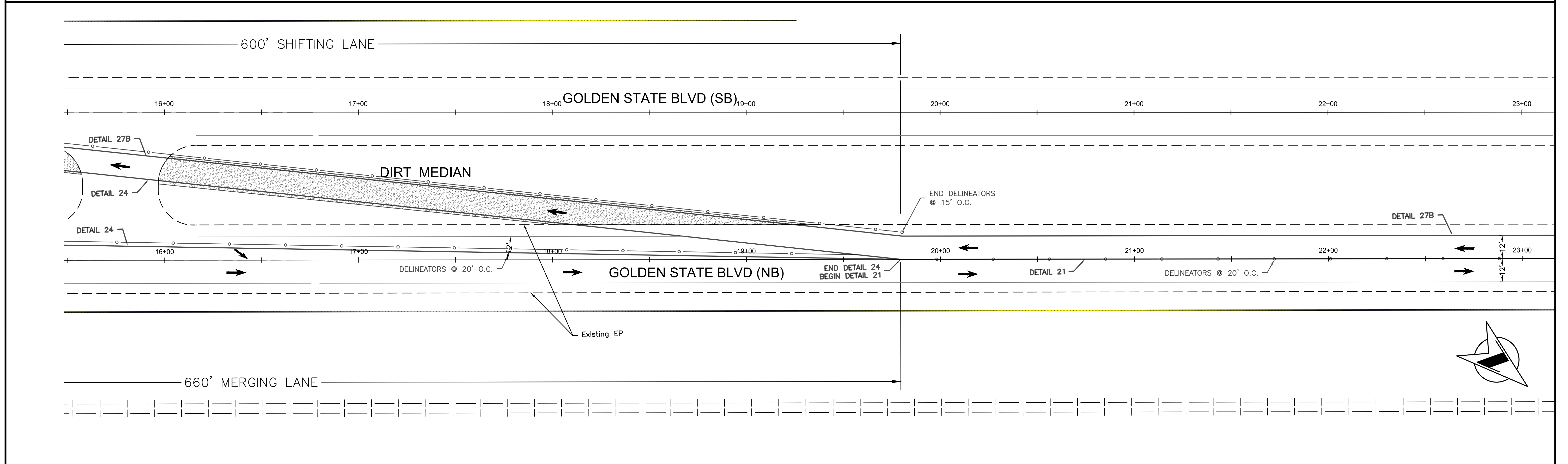
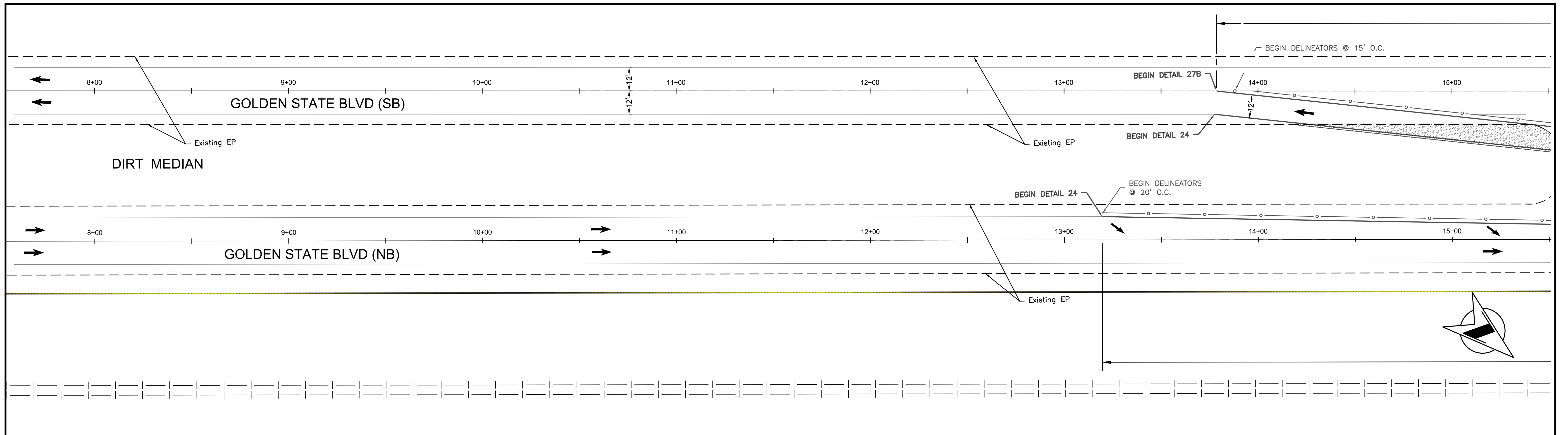
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



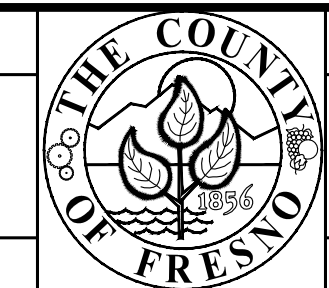


DESIGNED: D.K.		DATE	RECORD DRAWING		SCALE		PROJECT		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		10/01/2019	RESIDENT ENGINEER	DATE	0 25' 50'		AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS		STAGING PLAN (NORTHBOUND) GOLDEN STATE BLVD.	
CHECKED: S.A.		12/16/2019					ROAD NO. S0500/D0070		DRAWING NO. 11227	
		07/01/2020					BRIDGE NO. N/A		SHEET NO. 39	
									TOTAL 42	

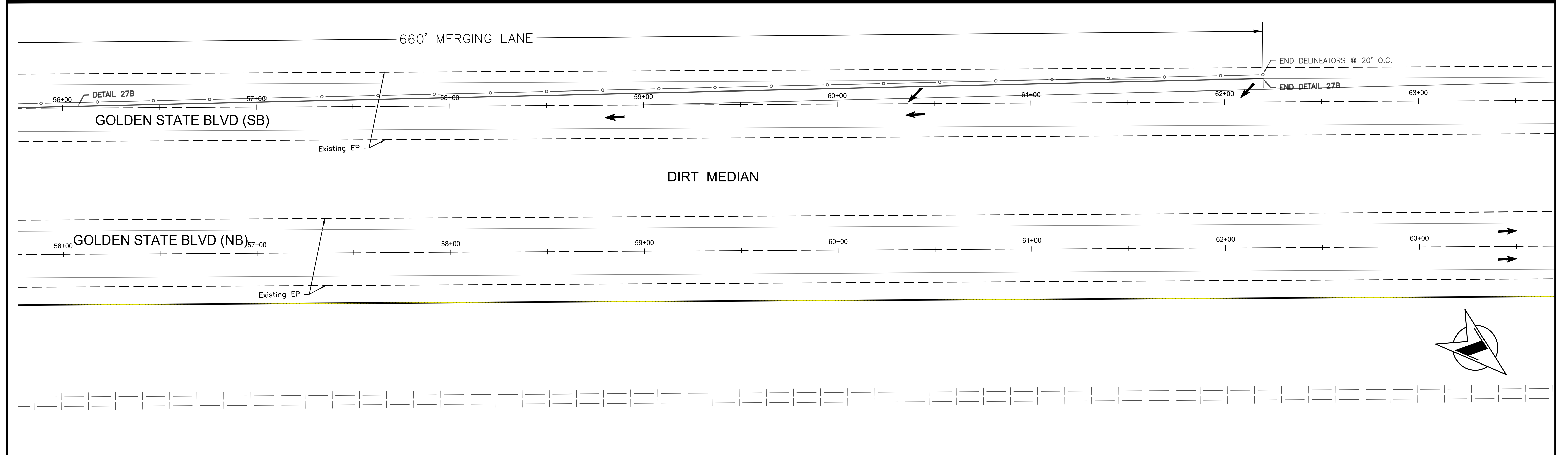
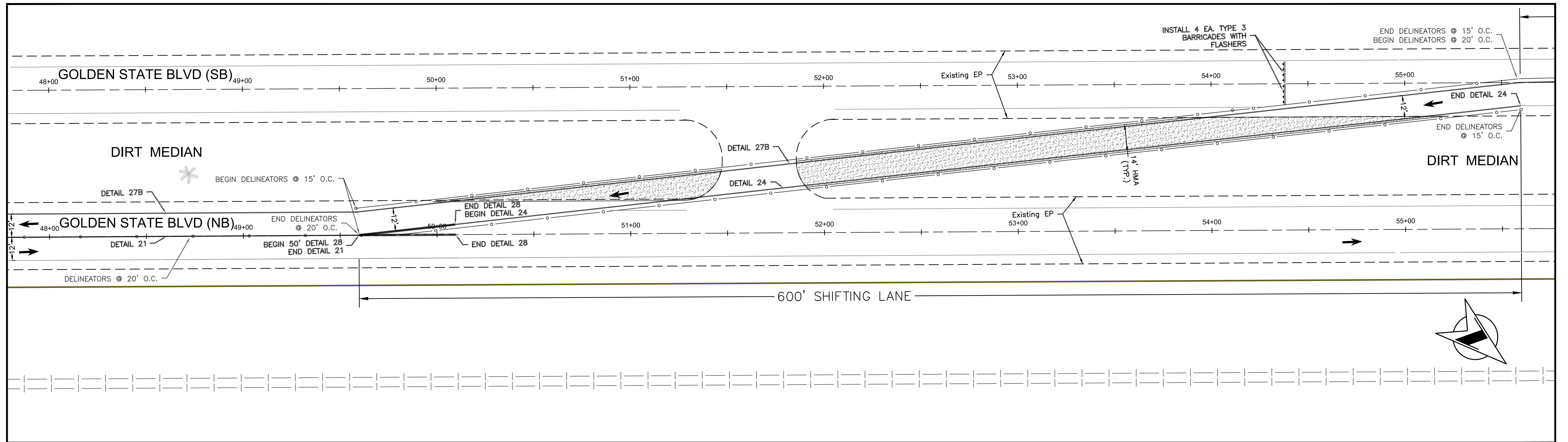
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



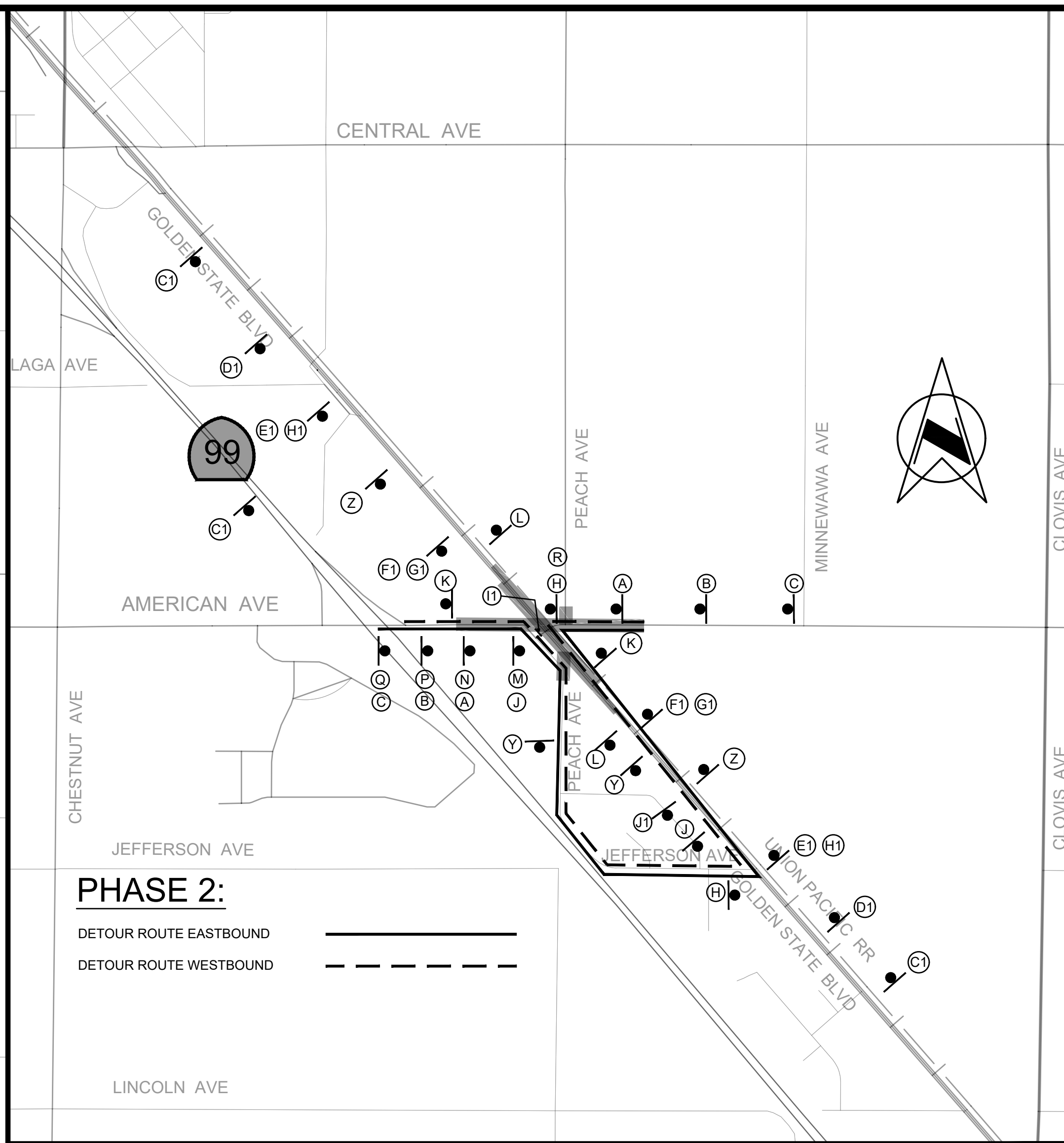
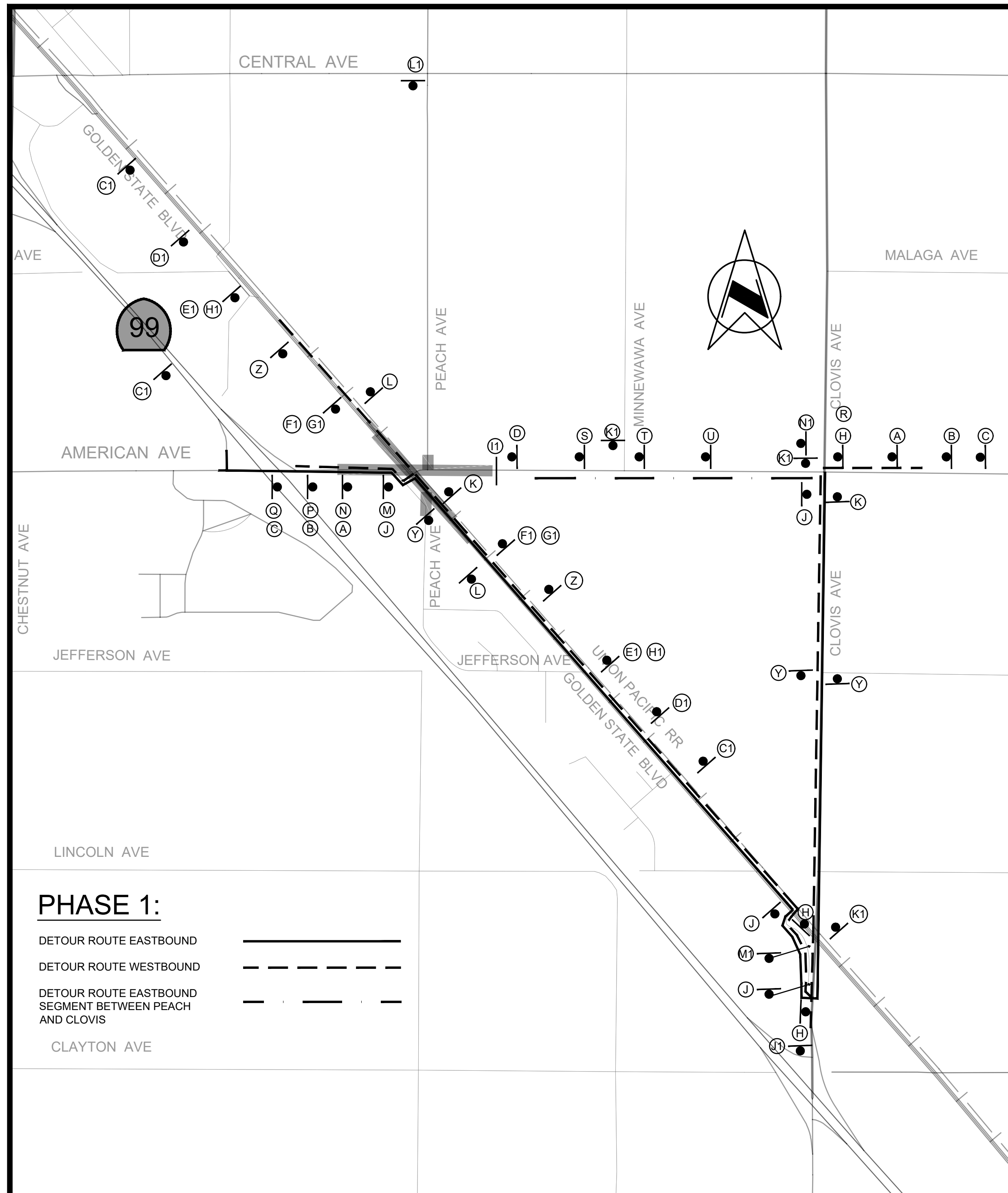


DESIGNED: D.K.		DATE: 10/01/2019	RECORD DRAWING		SCALE: 0 25' 50'		 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING		
DRAWN: I.M./J.D.		DATE: 12/16/2019								AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS			STAGING PLAN (SOUTHBOUND) GOLDEN STATE BLVD.		
CHECKED: S.A.		DATE: 07/01/2020								ROAD NO. S0500/D0070			BRIDGE NO. N/A		DRAWING NO. 11227

FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.



DESIGNED: D.K.		DATE: 10/01/2019	RECORD DRAWING		SCALE: 0 25' 50'		 SUPERVISING ENGINEER	4/9/2021 DATE		PROJECT			DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DRAWN: I.M./J.D.		DATE: 12/16/2019								AMERICAN AVE. AND GOLDEN STATE BLVD.			TEMPORARY TRAFFIC CONTROL PLAN	
CHECKED: S.A.		DATE: 07/01/2020								INTERSECTION IMPROVEMENTS			GOLDEN STATE BLVD. (SB)	
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.														
											ROAD NO. S0500/D0070		BRIDGE NO. N/A	
											DRAWING NO. 11227		SHEET NO. 41 TOTAL 42	



PHASE 2:

DETOUR ROUTE EASTBOUND —————
 DETOUR ROUTE WESTBOUND - - - - -

NOTES:

1. THIS PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROVIDE A TRAFFIC CONTROL SYSTEM PLAN AS REQUIRED IN THE SPECIFICATIONS.
2. ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES MAY BE REQUIRED AS PART OF THE TRAFFIC CONTROL SYSTEM PLAN AS DETERMINED BY THE ENGINEER.
3. LOCATIONS OF CONSTRUCTION AREA SIGNS AND TYPE III BARRICADES ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.
4. SIGNS ERECTED ON THE SIDE OF THE ROAD SHALL BE MOUNTED AT A HEIGHT OF AT LEAST 7 FEET MEASURED FROM THE BOTTOM OF THE SIGN PLATE TO THE TOP ELEVATION OF THE NEAREST EDGE OF THE PAVEMENT EXCEPT FOR SIGNS PLACED ON BARRICADES.
5. SIGNS THAT WILL BE IN PLACE MORE THAN FIVE (5) CALENDAR DAYS SHALL BE INSTALLED ON METAL OR WOOD POSTS.
6. ALL EXISTING STOP AND STOP AHEAD SIGNS ARE TO REMAIN IN PLACE DURING CONSTRUCTION.
7. ALL SIGNS, EXCEPT R11-2 AND R11-4, SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
8. INCLUDE "BUSINESS OPEN DURING CONSTRUCTION" SIGN IN TRAFFIC CONTROL SYSTEM PLAN.
9. CONTRACTOR TO APPLY FOR CALTRANS ENCROACHMENT PERMIT FOR THE PLACEMENT OF THE MESSAGE BOARD ON STATE RIGHT OF WAY

■ - INDICATES APPLICABLE SIGN

TEMPORARY WORK ZONE SIGNS

SIGN	CA MUTCD CODE	PANEL SIZE (INCHES)	DESCRIPTION	POST LENGTH (FEET)
■ A	W20-2	36 X 36	DETOUR AHEAD	12
	W16-2aP	24 X 12	500 FT	
■ B	W20-2	36 X 36	DETOUR AHEAD	12
	W16-2aP	24 X 12	1000 FT	
■ C	W20-2	36 X 36	DETOUR AHEAD	12
	W16-2aP	24 X 12	1500 FT	
■ D	R11-2	48 X 30	ROAD CLOSED	TYPE III BARRICADE
□ E	R11-4	60 X 30	ROAD CLOSED TO THRU TRAFFIC	TYPE III BARRICADE
	M4-10L	48 X 18	DETOUR LEFT	TYPE III BARRICADE
□ F	R11-4	60 X 30	ROAD CLOSED TO THRU TRAFFIC	TYPE III BARRICADE
	M4-10R	48 X 18	DETOUR RIGHT	TYPE III BARRICADE
□ G	M4-8	21 X 9	DETOUR	12
■ H	M4-10L	48 X 18	DETOUR LEFT	12
■ J	M4-10R	48 X 18	DETOUR RIGHT	12
■ K	M4-8a	24 X 18	END DETOUR	12
■ L	G20-2	36 X 18	END ROAD WORK	12
■ M	W20-1	36 X 36	ROAD WORK AHEAD	12
■ N	W20-1	36 X 36	ROAD WORK AHEAD	12
	W16-2aP	24 X 12	500 FT	
■ P	W20-1	36 X 36	ROAD WORK AHEAD	12
	W16-2aP	24 X 12	1000 FT	
■ Q	W20-1	36 X 36	ROAD WORK AHEAD	12
	W16-2aP	24 X 12	1500 FT	
■ R	W20-3	36 X 36	ROAD CLOSED AHEAD	12
■ S	W20-3	36 X 36	ROAD CLOSED AHEAD	12
	W16-2aP	24 X 12	500 FT	
■ T	W20-3	36 X 36	ROAD CLOSED AHEAD	12
	W16-2aP	24 X 12	1000 FT	
■ U	W20-3	36 X 36	ROAD CLOSED AHEAD	12
	W16-2aP	24 X 12	1500 FT	
□ V	C9A (CA)	36 X 36	FLAGGER AHEAD	12
□ W	C30 (CA)	30 X 30	LANE CLOSED	12
□ X	W3-4	36 X 36	PREPARE TO STOP	12
■ Y	SC3-1 (CA)	48 X 18	DETOUR STRAIGHT	12
■ Z	W13-1P (45)	30 X 30	45 MPH ADVISORY SPEED PLAQUE	12
□ A1				12
□ B1				12
■ C1	MESSAGE BOARDS	36 X 72	DETOUR ON AMERICAN AVE EASTBOUND	-
■ D1	W3-5a(55)	36 X 36	SPEED REDUCTION AHEAD	12
■ E1	w3-5	36 X 36	SPEED LIMIT 55	12
■ F1	W1-4	36 X 36	REVERSE CURVE	12
■ G1	W13-1P (35)	30 X 30	35 MPH ADVISORY SPEED PLAQUE	12
■ H1	W9-1	36 X 36	LANE ENDS	12
■ I1	BARRICADE 2x R11-2		ROAD CLOSED	
■ J1		36 X 36	HWY 99 ACCESS NEXT RIGHT	12
■ K1		60x30	AMERICAN AVE CLOSED E/O GOLDEN STATE	12
■ L1		60x30	PEACH AVE CLOSED AT AMERICAN AVE	12
■ M1		36 X 36	HWY ACCESS AHEAD	12
■ N1	MESSAGE BOARDS	36 X 72	NO FREEWAY ACCESS FROM AMERICAN AVE	

DESIGNED: D.K.	DATE: 10/01/2019	RECORD DRAWING	SCALE	 SUPERVISING ENGINEER	PROJECT AMERICAN AVE. AND GOLDEN STATE BLVD. INTERSECTION IMPROVEMENTS	 DEPARTMENT OF PUBLIC WORKS AND PLANNING
DRAWN: I.M./J.D.	DATE: 12/16/2019	RESIDENT ENGINEER	NO SCALE			
CHECKED: S.A.	DATE: 07/01/2020					
FOR RIGHT OF WAY DATA AND ACCURATE ACCESS DETERMINATION, SEE DOCUMENTS IN THE DEPARTMENT OF PUBLIC WORKS AND PLANNING.				4/9/2021 DATE	ROAD NO. S0500/D0070 BRIDGE NO. N/A	TWZS Road Reconstruction DRAWING NO. 11227 SHEET NO. 42 TOTAL 42