STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY | CHECKED BY | REVISED BY | DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
8	SBD	10	31.9	1	1

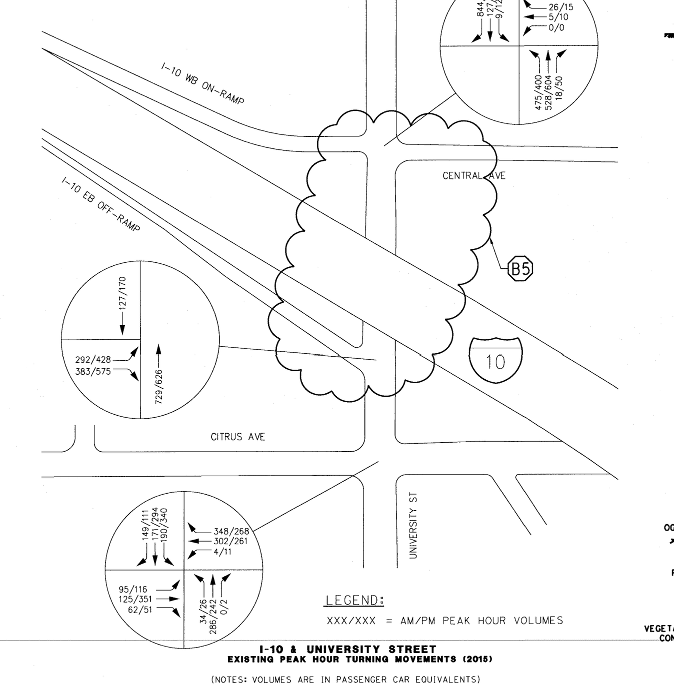
REGISTERED CIVIL ENGINEER DATE

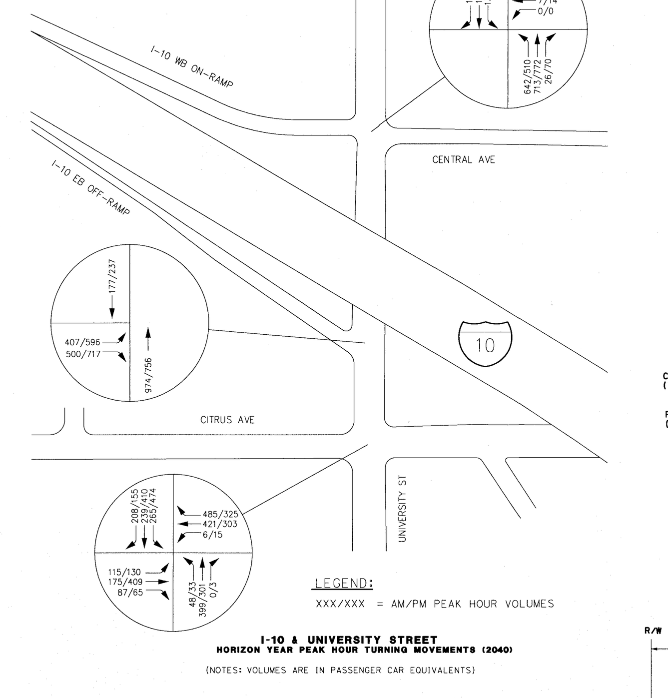
PLANS APPROVAL DATE

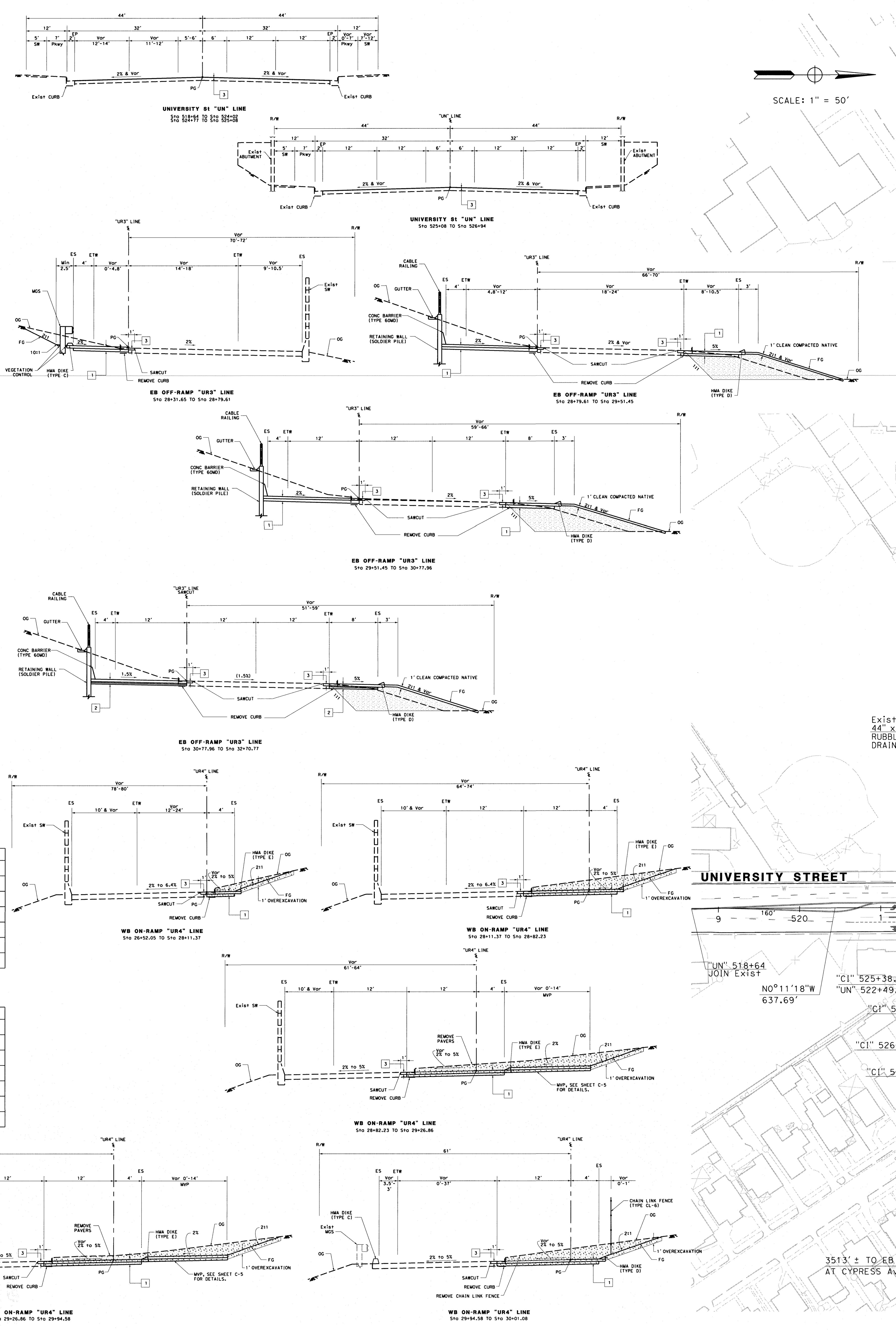
REGISTERED PROFESSIONAL ENGINEER ED MILLER, JR No. C47615 Exp. 12-31-19 CIVIL STATE OF CALIFORNIA

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

ADVANTEC CONSULTING ENGINEERS
3200 EAST GUASTI ROAD, SUITE 100
ONTARIO, CA 91761





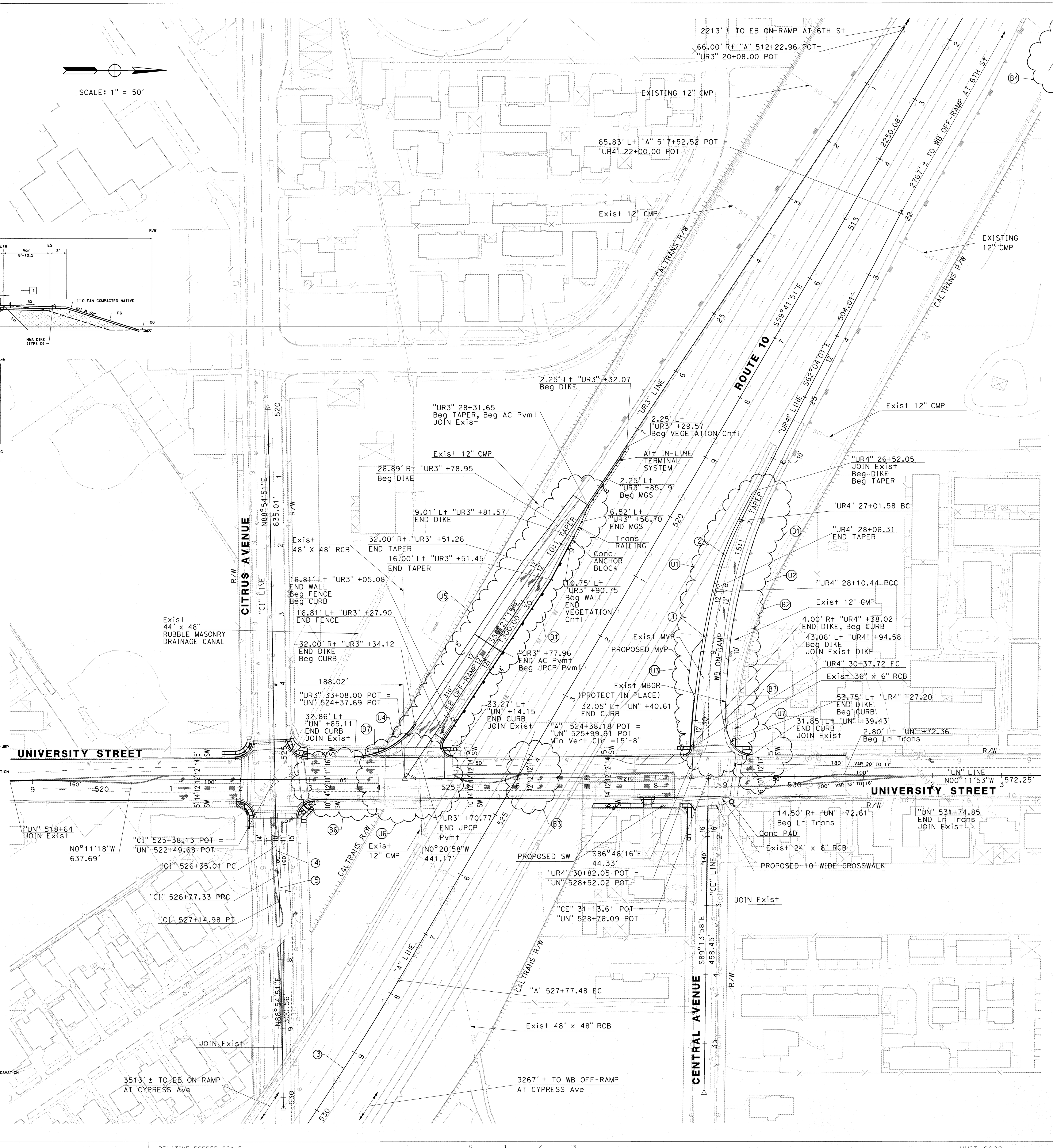


EXCEPTIONS TO BOLDFACE STANDARDS

No.	FEATURE	HDM	DESCRIPTION
B1	1	201.1	VERTICAL STOPPING SIGHT DISTANCE
B2	2	202.2	SUPERELEVATION
B3	3	308.1	CITY STREETS AND COUNTY ROADS
B4	4	501.3	INTERCHANGE SPACING
B5	5	502.2	PARTIAL INTERCHANGE
B6	6	504.3(3)	INTERSECTION DESIGN STANDARDS
B7	7	504.8	ACCESS CONTROL

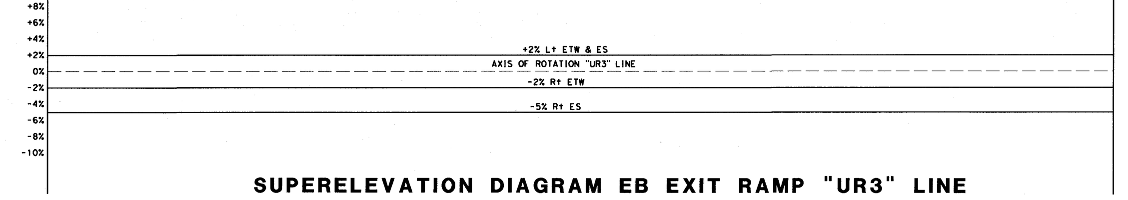
EXCEPTIONS TO UNDERLINE STANDARDS

No.	FEATURE	HDM	DESCRIPTION
U1	1	202.5	SUPERELEVATION TRANSITION
U2	2	202.6	SUPERELEVATION COMPOUND CURVES
U3	3	203.5	COMPOUND CURVES
U4	4	204.4	VERTICAL CURVES
U5	5	304.1	SIDE SLOPE
U6	6	403.3	ANGLE OF INTERSECTION
U7	7	403.6	TURNING TRAFFIC

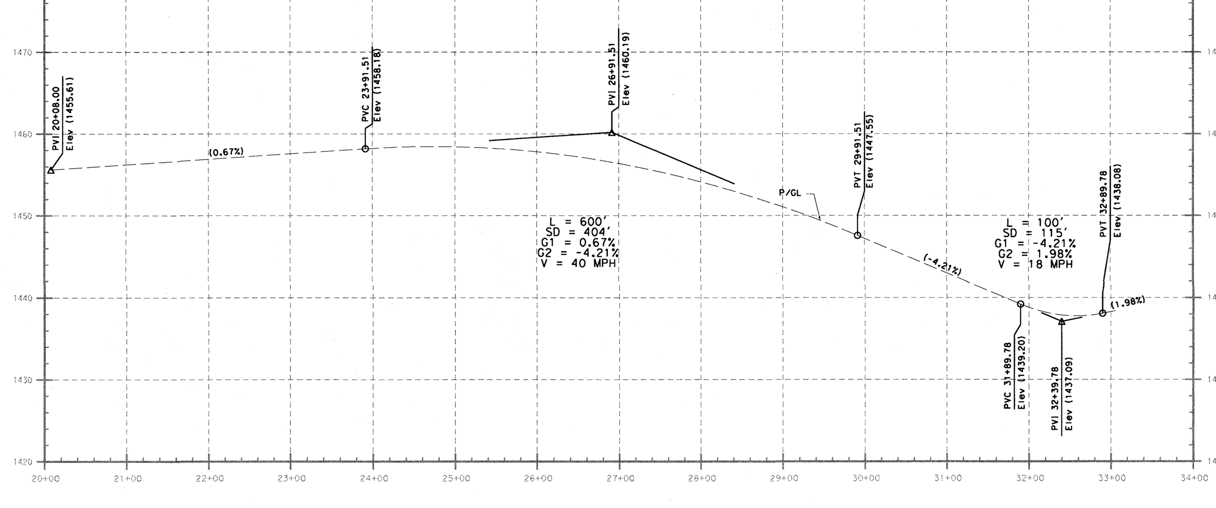


LEGEND:

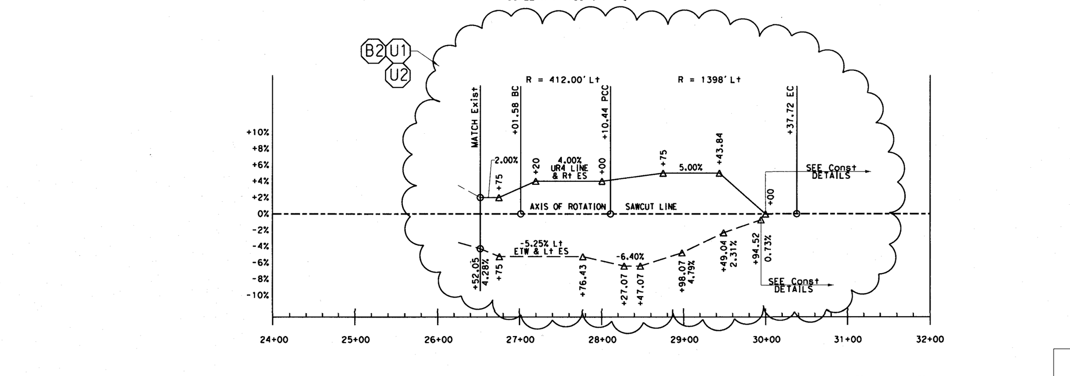
- PROPOSED STRIPING
- PROPOSED IMPROVEMENTS
- EXISTING STATE RIGHT OF WAY / ACCESS CONTROL
- EXISTING PROPERTY LINES
- CUT AND FILL LINE
- PROPOSED RETAINING WALL



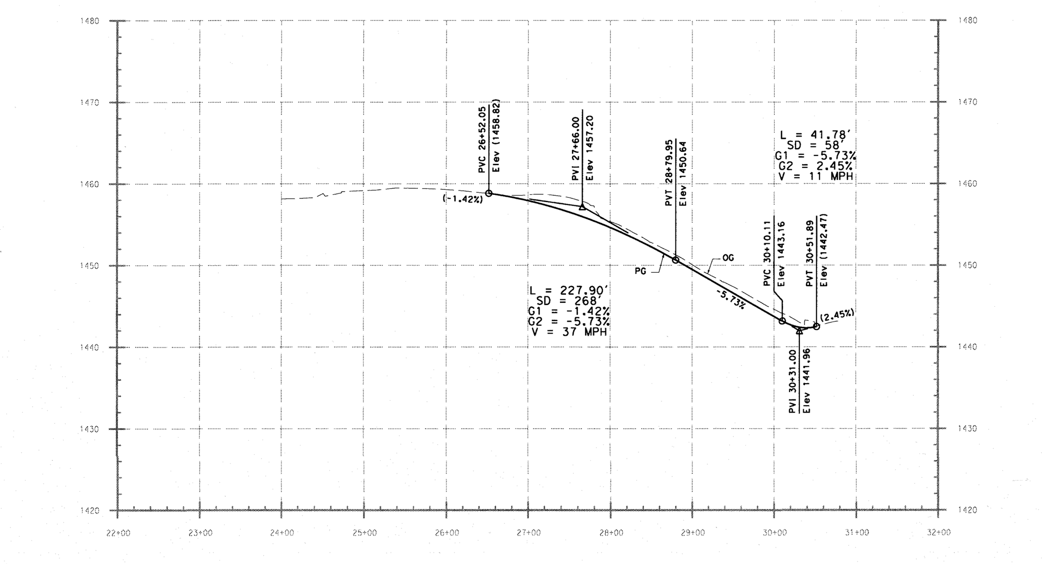
SUPERELEVATION DIAGRAM EB EXIT RAMP "UR3" LINE



PROFILE EB EXIT RAMP "UR3" LINE



SUPERELEVATION DIAGRAM WB ENTRANCE RAMP "UR4" LINE



PROFILE WB ENTRANCE RAMP "UR4" LINE

CURVE DATA

No.	R	Δ	T	L
1	1398.00'	9°18'45"	113.89'	227.28'
2	412.00'	15°08'22"	54.75'	108.86'
3	3600.00'	25°48'10"	824.60'	1621.24'
4	500.00'	4°50'59"	21.17'	42.32'
5	500.00'	4°18'53"	18.84'	37.65'

UNIVERSITY STREET

DESIGN DESIGNATION
ADT (2018) = 11,000
ADT (2040) = 13,800
DHV = 1,000
$ESAL_{40}$ = N/A
TI_{40} = N/A
D = 60%
T = 10%
V = 30 mph
CLIMATE REGION = INLAND VALLEY

EASTBOUND OFF RAMP

DESIGN DESIGNATION
ADT (2018) = 10,500
ADT (2040) = 13,100
DHV = 1,000
$ESAL_{40}$ = N/A
TI_{40} = 12.0
D = 100%
T = 10%
V = 50 mph
CLIMATE REGION = INLAND VALLEY

WESTBOUND ON RAMP

DESIGN DESIGNATION
ADT (2018) = 13,800
ADT (2040) = 18,200
DHV = 1,300
$ESAL_{40}$ = N/A
TI_{40} = 12.0
D = 100%
T = 10%
V = 50 mph
CLIMATE REGION = INLAND VALLEY

GEOMETRIC APPROVAL DRAWING

PREPARED BY: PROJECT ENGINEER — 8-7-18 DATE

SUBMITTED BY: PROJECT MANAGER — 8-7-18 DATE

CONCURRED BY: HAISSAM YAHYA, P.E. DISTRICT 8 TRAFFIC OPERATIONS SENIOR CALTRANS — 8/6/18 DATE

APPROVED BY: For JASON COLLADO, P.E. ACTING BRANCH CHIEF, DESIGN OVERSIGHT CALTRANS — 8/20/18 DATE

REVIEWED BY: SERGIO AVILA, DESIGN LIAISON, CALTRANS — 7/31/18 DATE

INTERSTATE 10 / UNIVERSITY STREET INTERCHANGE

JULY 2018

GEOMETRIC APPROVAL DRAWING

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER DGN FILE => $FILES | RELATIVE BORDER SCALE IS IN INCHES | UNIT 0000 | PROJECT NUMBER & PHASE | PN 0814000079 | EA 1E710

LAST REVISION 04-18-18 | DATE PLOTTED => $DATE TIME PLOTTED => $TIME