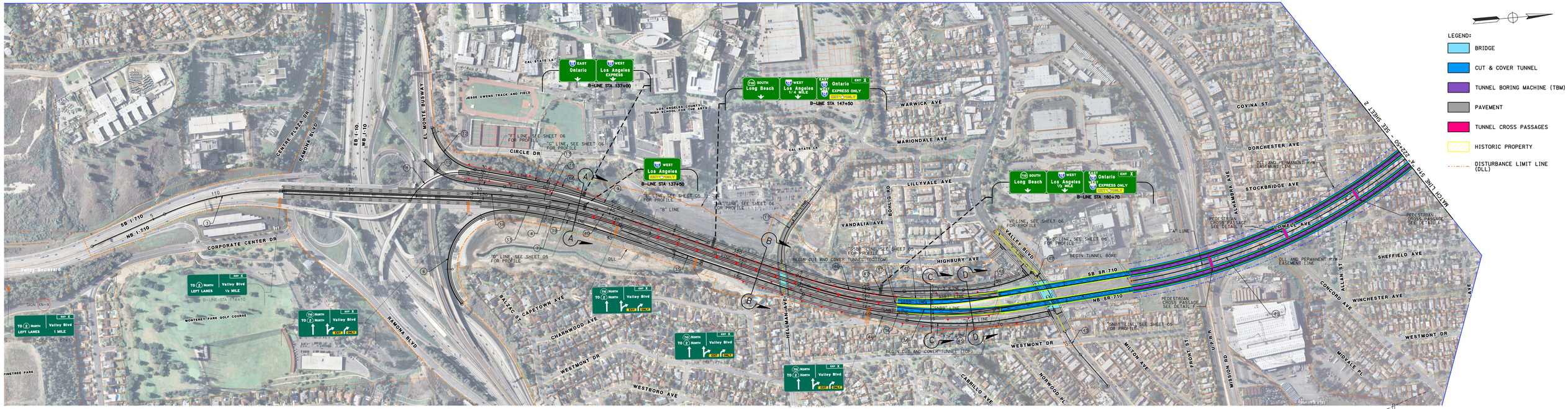
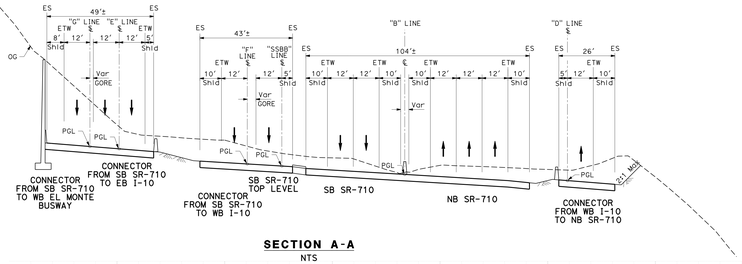
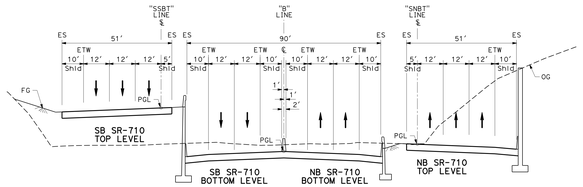


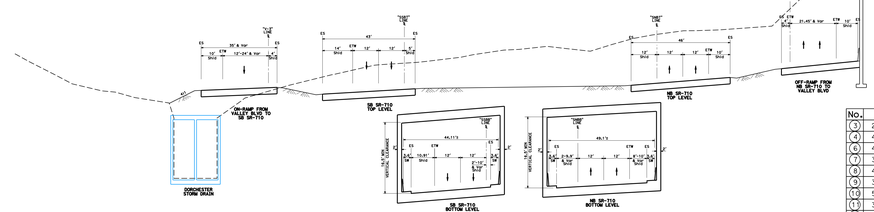
PLAN
SCALE: 1"=200'



SECTION A-A
NTS



SECTION B-B
NTS

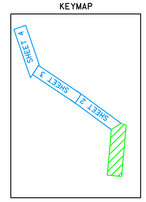


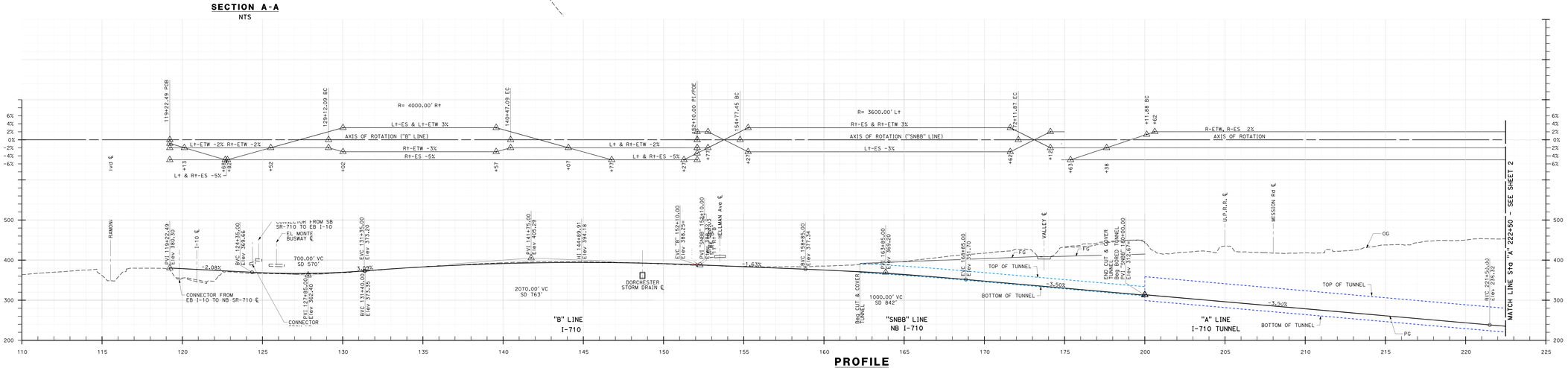
SECTION C-C
NTS

CURVE TABLE

No.	R	D	T	L
(1)	2000.00'	26°07'21"	463.99'	911.85'
(2)	4000.00'	16°15'28"	571.34'	1135.00'
(3)	425.00'	136°51'34"	1075.05'	1015.17'
(4)	3000.00'	12°25'42"	326.66'	650.75'
(5)	415.00'	69°46'33"	289.38'	505.39'
(6)	3000.00'	11°01'42"	289.61'	577.44'
(10)	500.00'	40°33'10"	184.72'	353.89'
(11)	3024.00'	11°42'54"	310.23'	618.30'
(12)	401.86'	67°57'06"	270.81'	476.60'
(13)	1200.00'	6°16'16"	65.74'	131.34'
(14)	3012.00'	4°14'54"	111.72'	223.33'
(17)	400.00'	42°51'03"	156.96'	299.15'
(33)	3800.00'	16°15'28"	542.77'	1078.25'
(34)	3600.00'	27°36'15"	884.39'	1734.43'
(35)	4500.00'	2°51'45"	112.43'	224.81'
(36)	3000.00'	27°36'15"	736.99'	1445.36'
(37)	2700.00'	27°36'15"	663.29'	1300.82'
(38)	4035.00'	4°15'50"	150.21'	300.28'
(39)	3000.00'	10°13'48"	268.53'	535.64'
(40)	4057.00'	2°54'37"	103.06'	206.07'
(41)	3500.00'	27°36'15"	859.82'	1686.25'
(42)	1000.00'	16°12'32"	142.40'	282.90'
(43)	800.00'	14°53'26"	104.55'	207.91'
(44)	3024.00'	5°20'27"	141.04'	281.88'
(45)	2500.00'	19°24'34"	427.54'	846.89'
(46)	3476.00'	4°56'30"	149.99'	299.80'
(47)	1600.00'	9°30'41"	133.11'	265.61'
(48)	1200.00'	22°12'07"	235.45'	465.00'
(49)	4350.00'	52°21'46"	2038.25'	3974.74'

KEYMAP





PROFILE
SCALE: Horiz 1"=200'
Vert 1"=80'

SHEET - 1 FREEWAY ALTERNATIVE "F-2" CONCEPTUAL DESIGN

Gatrans
CALTRANS
1000 BROADWAY, SUITE 500
OAKLAND, CA 94607
(510) 286-5900

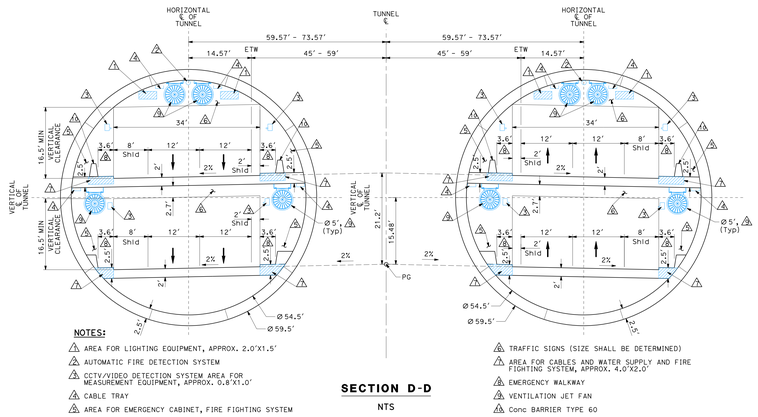
Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
One Gateway Plaza
Los Angeles, CA 90012-2952

710 STUDY
CONCEPTUAL DESIGN

F-2

1 OF 6

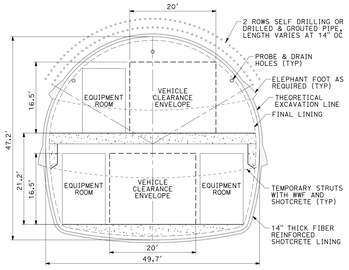
DATE SIGNED
OCT 2012



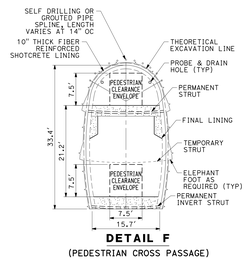
NOTES:

1. AREA FOR LIGHTING EQUIPMENT, APPROX. 2.0'X1.5'
2. AUTOMATIC FIRE DETECTION SYSTEM
3. CCTV/VIDEO DETECTION SYSTEM AREA FOR MEASUREMENT EQUIPMENT, APPROX. 0.8'X1.0'
4. CABLE TRAY
5. AREA FOR EMERGENCY CABINET, FIRE FIGHTING SYSTEM
6. TRAFFIC SIGNS (SIZE SHALL BE DETERMINED)
7. AREA FOR CABLES AND WATER SUPPLY AND FIRE FIGHTING SYSTEM, APPROX. 4.0'X2.0'
8. EMERGENCY WALKWAY
9. VENTILATION JET FAN
10. Conc BARRIER TYPE 60

SECTION D-D
NTS



DETAIL E
(EMERGENCY VEHICLE CROSS PASSAGE)
NTS



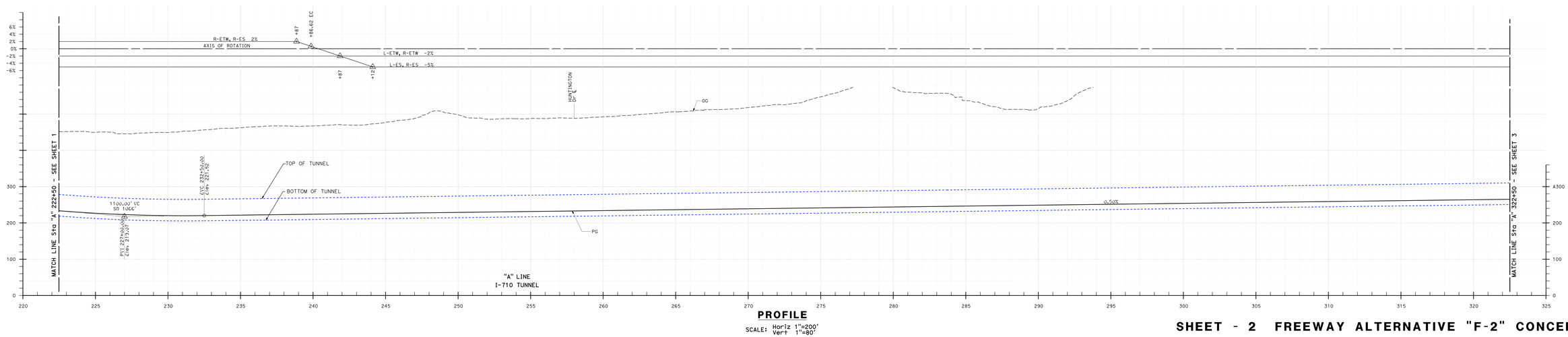
DETAIL F
(PEDESTRIAN CROSS PASSAGE)
NTS

LEGEND:

- BRIDGE
- CUT & COVER TUNNEL
- TUNNEL BORING MACHINE (TBM)
- PAVEMENT
- TUNNEL CROSS PASSAGES
- HISTORIC PROPERTY
- DISTURBANCE LIMIT LINE (DLL)

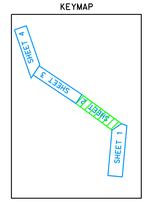
CURVE DATA

No.	R	Δ	T	L
(A)	4350.00'	5°31'46"	209.25'	397.47'



PROFILE
SCALE: Horiz 1"=200'
Vert 1"=80'

KEYMAP



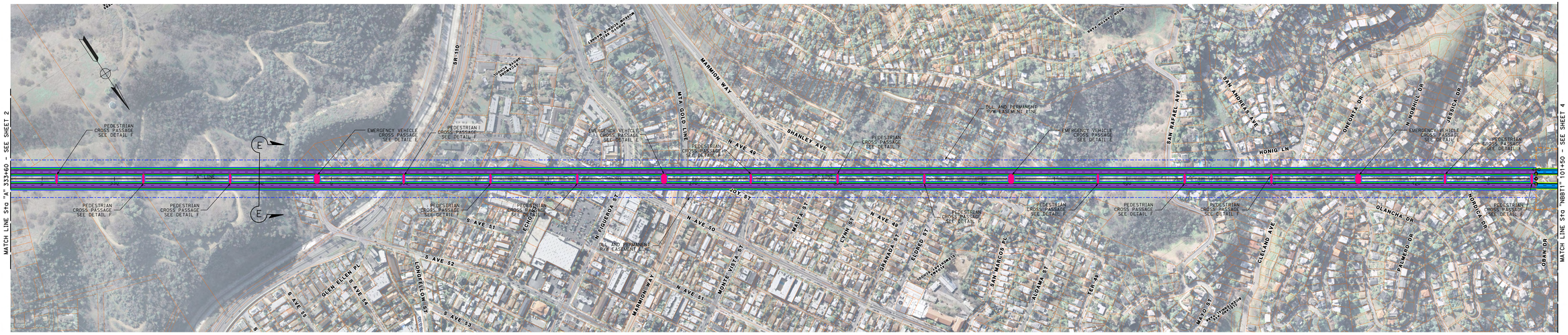
SHEET - 2 FREEWAY ALTERNATIVE "F-2" CONCEPTUAL DESIGN

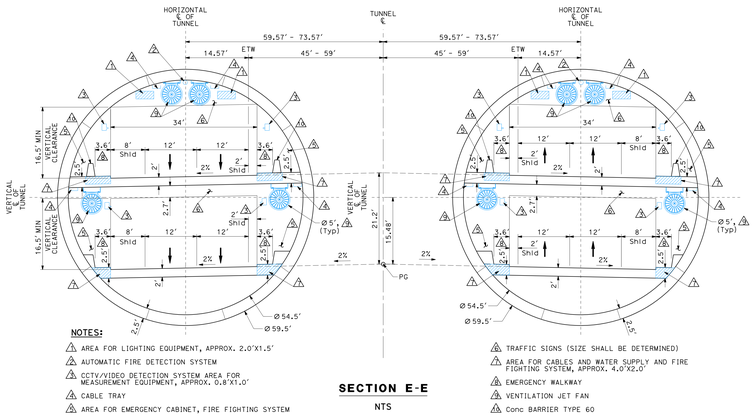
710 STUDY
CONCEPTUAL DESIGN

F-2

2 of 6

DATE SIGNED
OCT 2012



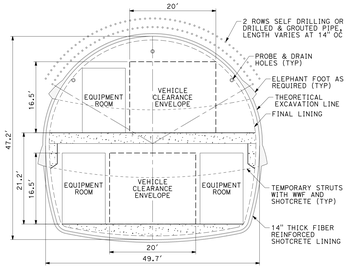


NOTES:

1. AREA FOR LIGHTING EQUIPMENT, APPROX. 2.0'X1.5'
2. AUTOMATIC FIRE DETECTION SYSTEM
3. CCTV/VIDEO DETECTION SYSTEM AREA FOR MEASUREMENT EQUIPMENT, APPROX. 0.8'X1.0'
4. CABLE TRAY
5. AREA FOR EMERGENCY CABINET, FIRE FIGHTING SYSTEM
6. TRAFFIC SIGNS (SIZE SHALL BE DETERMINED)
7. AREA FOR CABLES AND WATER SUPPLY AND FIRE FIGHTING SYSTEM, APPROX. 4.0'X2.0'
8. EMERGENCY WALKWAY
9. VENTILATION JET FAN
10. Conc BARRIER TYPE 60

SECTION E-E

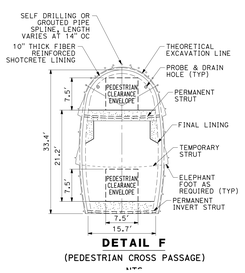
NTS



DETAIL E

(EMERGENCY VEHICLE CROSS PASSAGE)

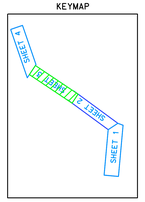
NTS



DETAIL F

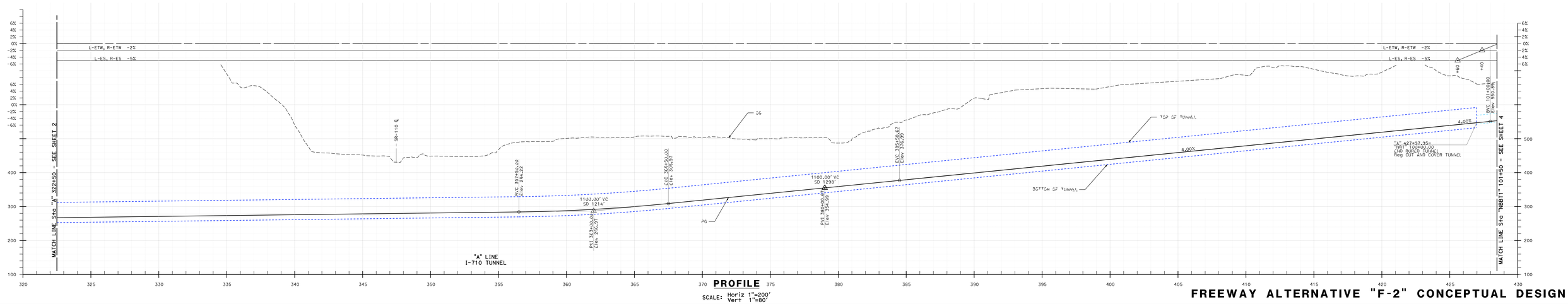
(PEDESTRIAN CROSS PASSAGE)

NTS



LEGEND:

- BRIDGE
- CUT & COVER TUNNEL
- TUNNEL BORING MACHINE (TBM)
- PAVEMENT
- TUNNEL CROSS PASSAGES
- HISTORIC PROPERTY
- DISTURBANCE LIMIT LINE (DLL)



PROFILE

SCALE: Horiz 1"=200'
Vert 1"=80'

FREEWAY ALTERNATIVE "F-2" CONCEPTUAL DESIGN

Caltrans
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012

CH2MHILL
1000 WILSHIRE BLVD #2170
LOS ANGELES, CA 90017
(213) 538-6000

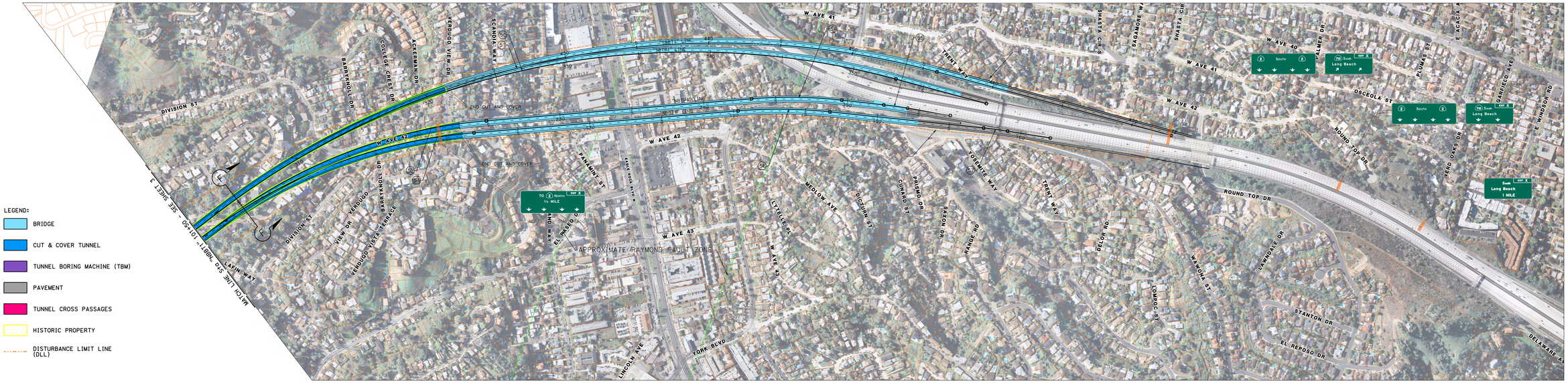
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012-2952

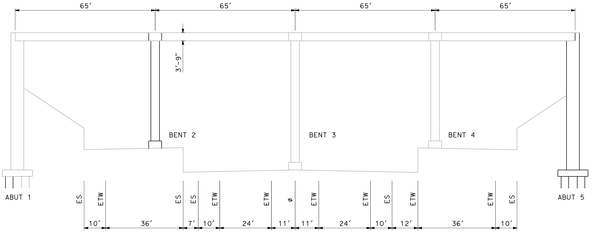
710 STUDY
CONCEPTUAL DESIGN

F-2

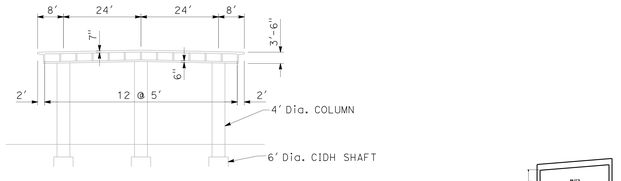
3 OF 6

DATE: OCT 2012

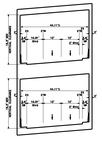




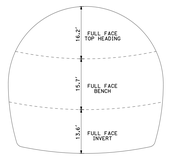
"NBBT1" ELEVATION VIEW
NTS



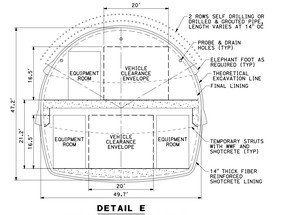
TYPICAL BRIDGE SECTION
NTS



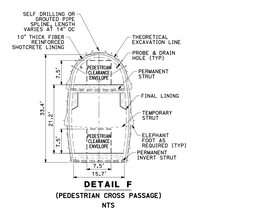
SECTION F-F
NTS



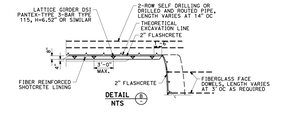
EMERGENCY VEHICLE CROSS PASSAGE CONSTRUCTION SEQUENCE
NTS

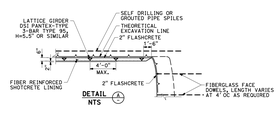


DETAIL E
(EMERGENCY VEHICLE CROSS PASSAGE)
NTS



DETAIL F
(PEDESTRIAN CROSS PASSAGE)
NTS

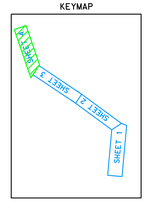


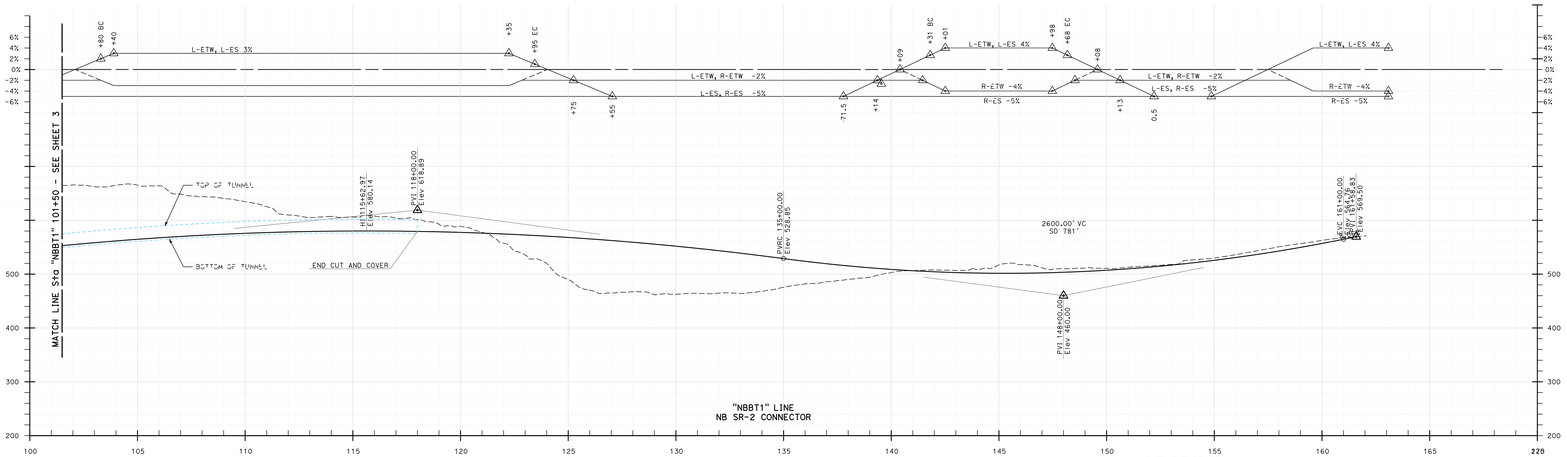


CURVE DATA

No.	R	Δ	T	L
50	5738.00'	52°38'58.29"	2838.98'	5272.69'
51	5400.00'	52°38'58.29"	2671.75'	4962.10'
52	3500.00'	32°04'13.46"	1005.94'	1959.07'
53	3600.00'	32°03'56.80"	1034.52'	2014.75'
54	3200.00'	11°12'44.61"	314.11'	626.22'
55	3000.00'	03°11'28.95"	83.57'	167.10'
56	3400.00'	10°43'47.18"	319.29'	636.72'
57	3000.00'	03°11'28.95"	83.57'	167.10'

KEYMAP





PROFILE
SCALE: Horiz 1"=200'
Vert 1"=80'

SHEET - 4 FREEWAY ALTERNATIVE "F-2" CONCEPTUAL DESIGN

Caltrans
District 7
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012

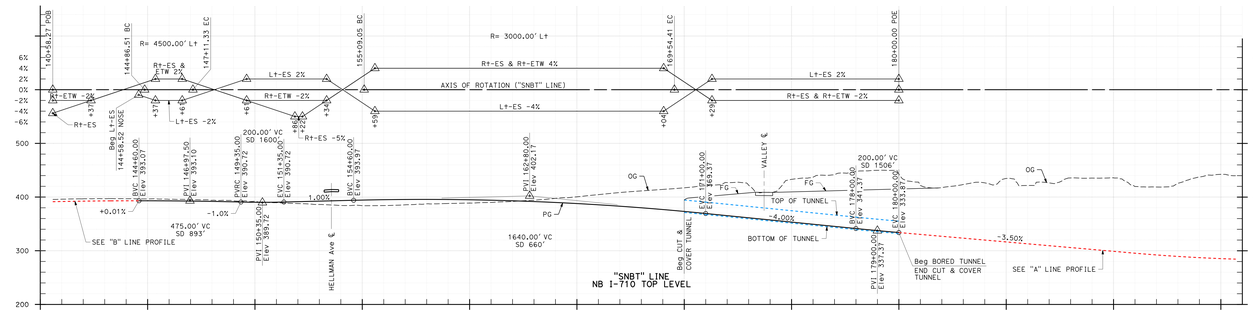
CAMPBELL
1000 WILSHIRE BLVD, #1700
LOS ANGELES, CA 90017
(213) 236-1800

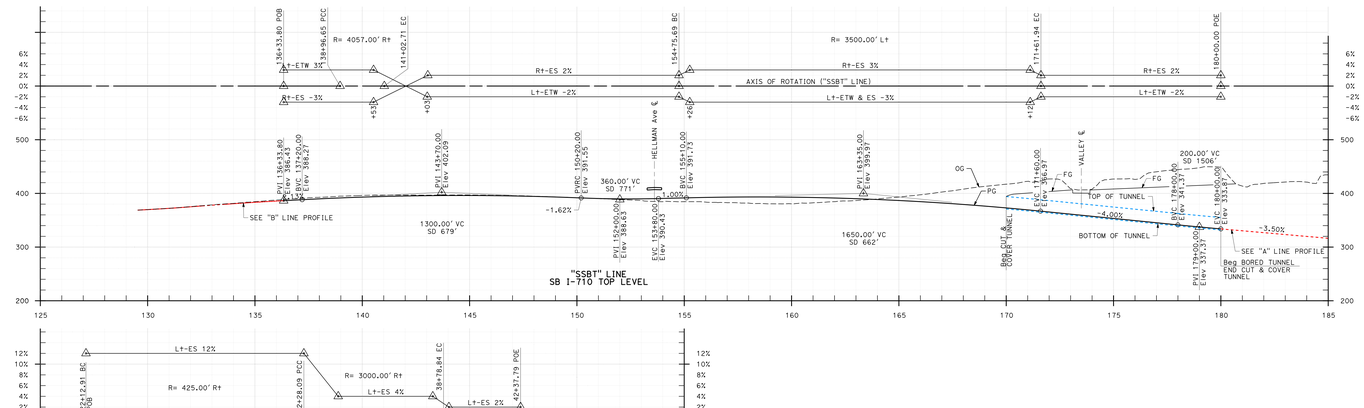
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

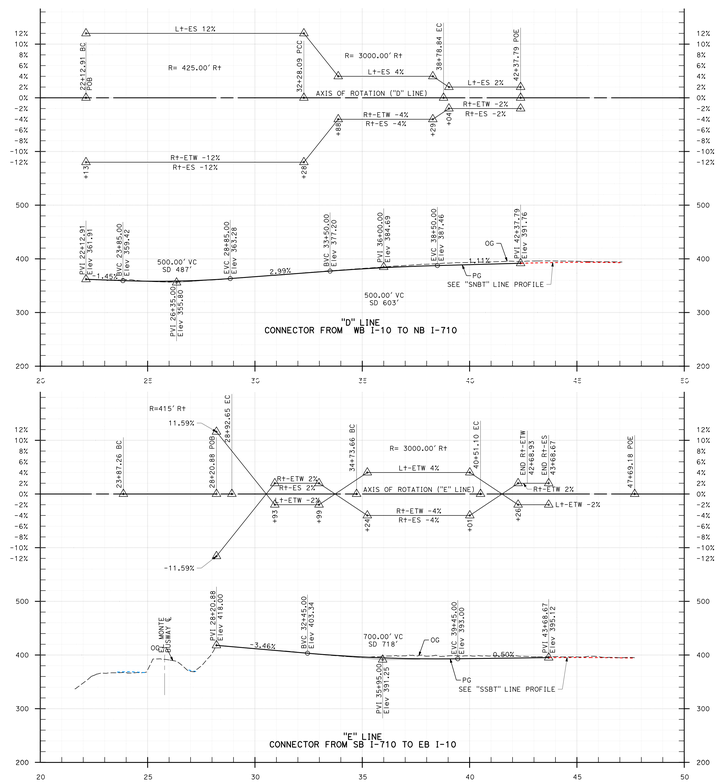
710 STUDY
CONCEPTUAL DESIGN

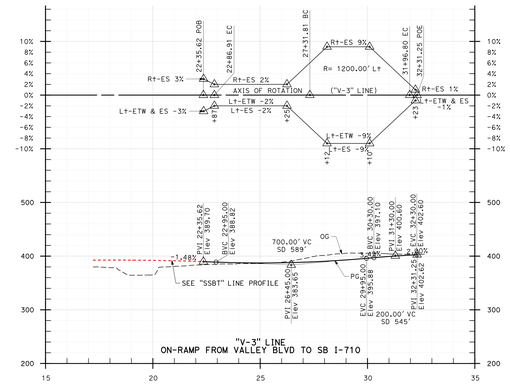
Scenario
F-2

SHEET NO. 4 OF 6
DATE SIGNED OCT. 2012



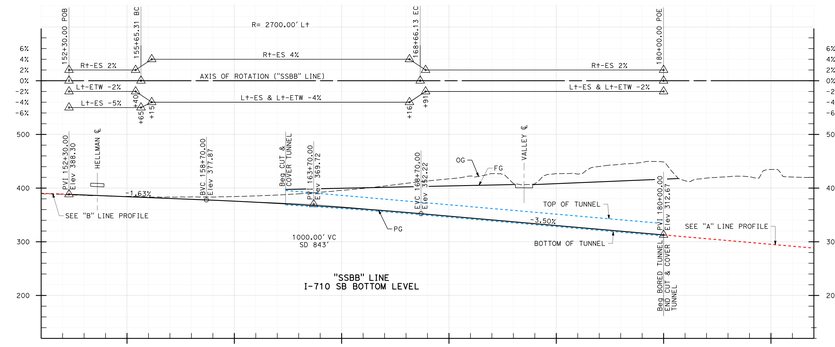


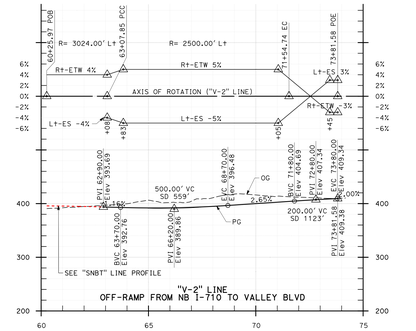


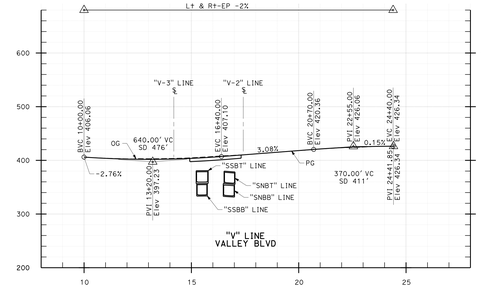


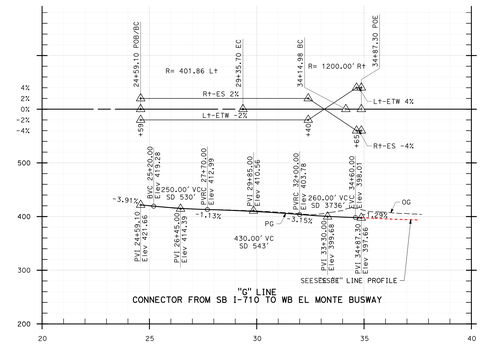
PROFILE / SUPERELEVATION DIAGRAM

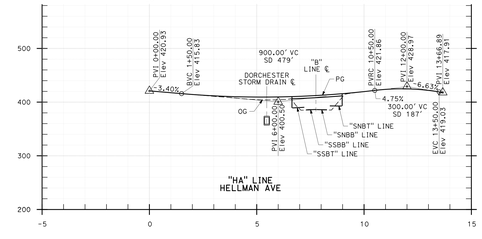
SCALE: Horiz 1"=200'
Vert 1"=80'











Caltrans
DISTRICT 7
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012

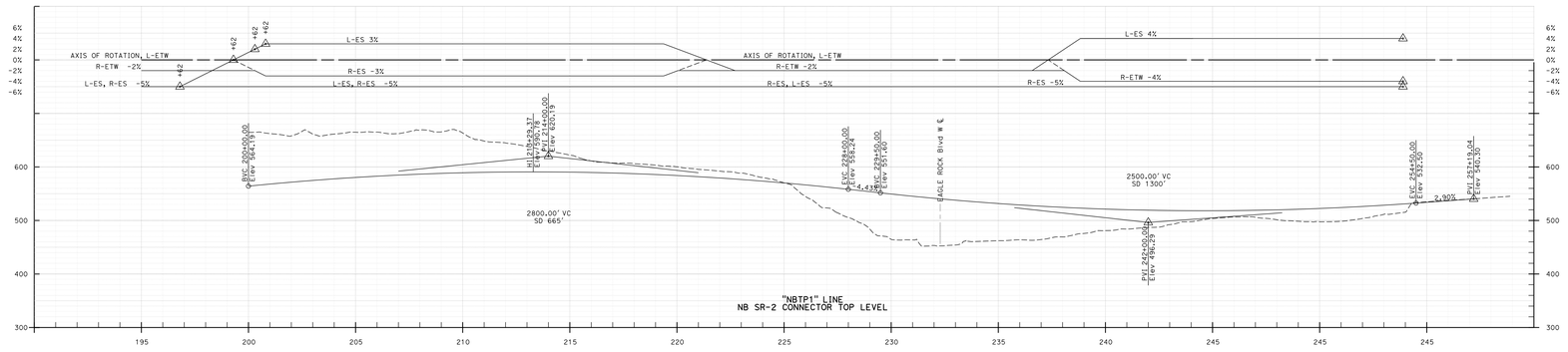
CH2MHILL
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

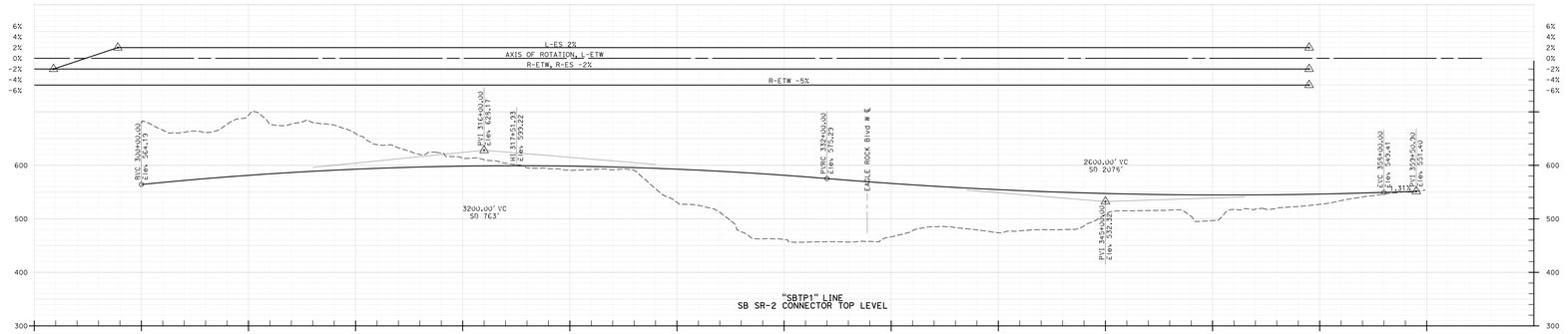
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

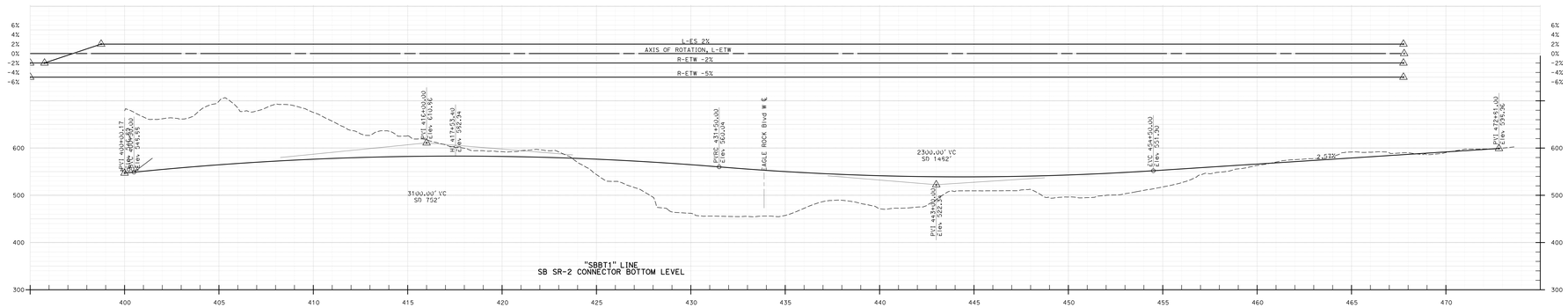
710 STUDY
CONCEPTUAL DESIGN

Alternative F-2

SHEET NO. 8 OF 8
DATE: OCT 2012







PROFILE / SUPERELEVATION DIAGRAM

SCALE: Horiz 1"=200'
Vert 1"=80'

SHEET - 6 FREEWAY ALTERNATIVE "F-2" CONCEPTUAL DESIGN

Caltrans
CH2MHILL
Metro
710 STUDY
CONCEPTUAL DESIGN
Alternative
F-2
Sheet
6 OF 6
Date
OCT 2012