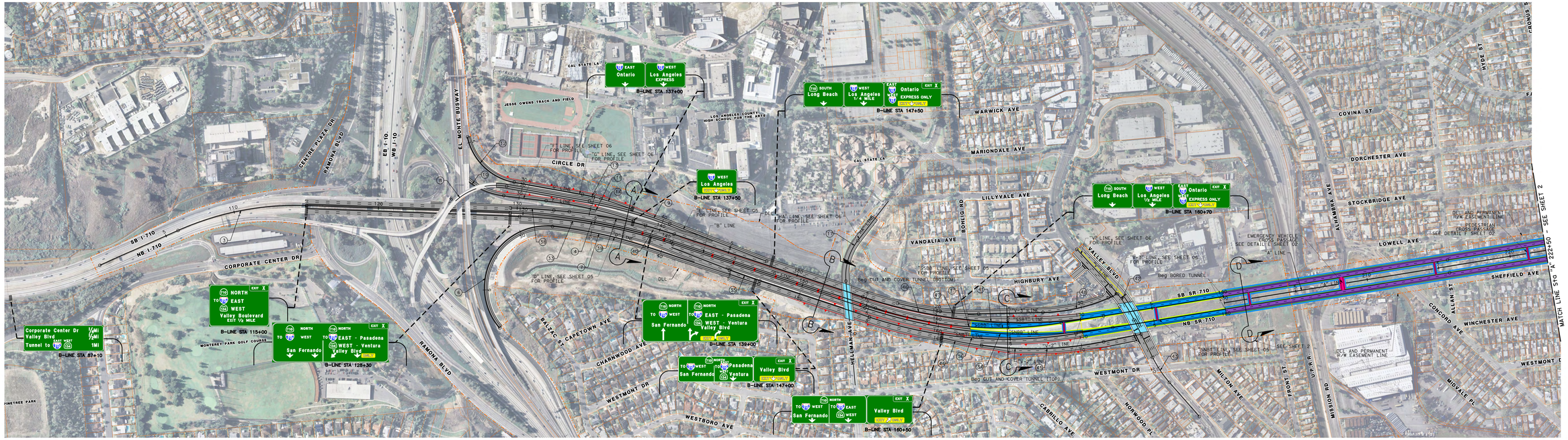
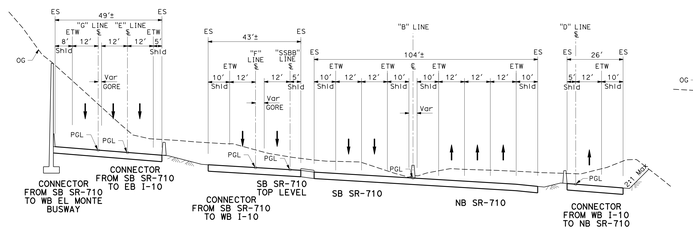
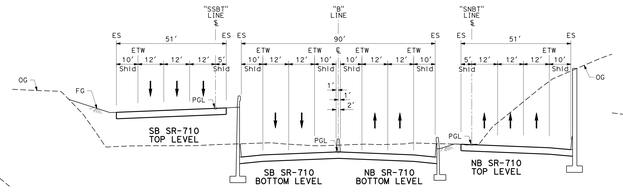


PLAN
SCALE: 1"=200'

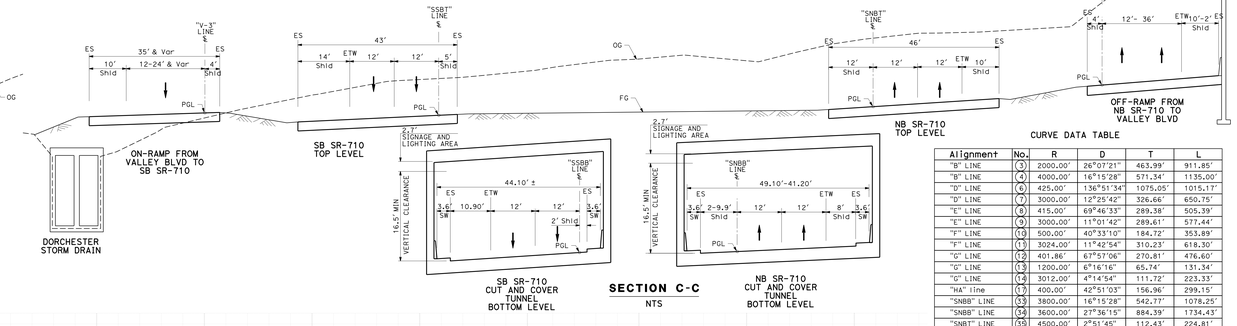
LEGEND:
- BRIDGE
- CUT & COVER TUNNEL
- TUNNEL BORING MACHINE (TBM)
- PAVEMENT
- TUNNEL CROSS PASSAGES
- HISTORIC PROPERTY
- DISTURBANCE LIMIT LINE (DLL)
- SIGN BRIDGE
- CANTILEVERED SIGN
- SIGN MOUNTED ON A BRIDGE



SECTION A-A
NTS



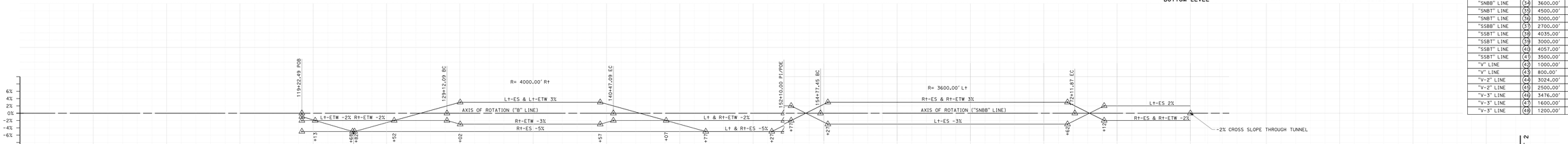
SECTION B-B
NTS

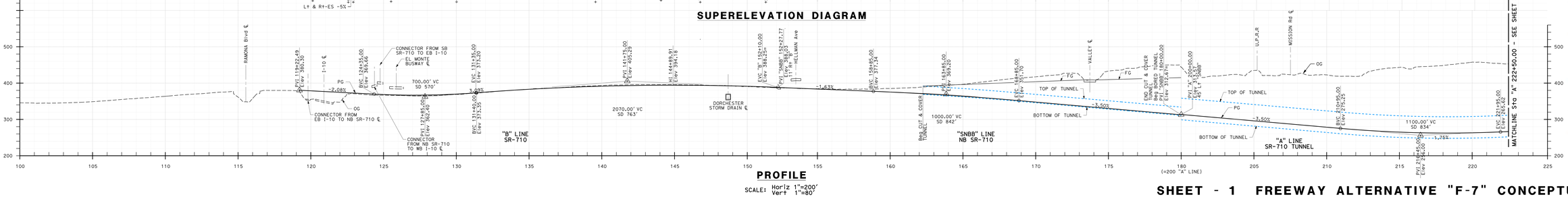


SECTION C-C
NTS

CURVE DATA TABLE

Alignment	No.	R	D	T	L
"B" LINE	(3)	2000.00'	26°07'21"	463.99'	911.85'
"B" LINE	(4)	4000.00'	16°15'28"	571.34'	1135.00'
"D" LINE	(6)	425.00'	136°51'34"	1075.05'	1015.17'
"D" LINE	(7)	3000.00'	12°25'42"	326.66'	650.75'
"E" LINE	(8)	415.00'	69°46'33"	289.38'	505.39'
"E" LINE	(9)	3000.00'	11°01'42"	289.61'	577.44'
"F" LINE	(12)	500.00'	40°33'10"	184.72'	353.89'
"F" LINE	(13)	3024.00'	11°42'54"	310.23'	618.30'
"G" LINE	(12)	401.86'	61°57'06"	270.81'	476.60'
"G" LINE	(13)	1200.00'	6°16'16"	65.74'	131.34'
"G" LINE	(14)	3012.00'	4°14'54"	111.72'	223.33'
"HA" line	(15)	400.00'	42°51'03"	156.96'	299.15'
"SNBB" LINE	(33)	3800.00'	16°15'28"	542.77'	1078.25'
"SNBB" LINE	(34)	3600.00'	21°36'15"	884.39'	1734.43'
"SNBT" LINE	(35)	4500.00'	2°51'45"	112.43'	224.81'
"SNBT" LINE	(36)	3000.00'	21°36'15"	736.99'	1445.36'
"SSBB" LINE	(37)	2700.00'	21°36'15"	663.29'	1300.82'
"SSBT" LINE	(38)	4035.00'	4°15'50"	150.21'	300.28'
"SSBT" LINE	(39)	3000.00'	10°13'48"	268.53'	535.64'
"SSBT" LINE	(40)	4057.00'	2°54'37"	103.06'	206.07'
"SSBT" LINE	(41)	3500.00'	21°36'15"	859.82'	1686.25'
"V" LINE	(42)	1000.00'	16°12'32"	142.40'	282.90'
"V" LINE	(43)	800.00'	14°53'26"	104.55'	207.91'
"V-2" LINE	(44)	3024.00'	5°20'27"	141.04'	281.88'
"V-2" LINE	(45)	2500.00'	19°24'34"	427.54'	846.89'
"V-3" LINE	(46)	3476.00'	4°56'30"	149.99'	299.80'
"V-3" LINE	(47)	1600.00'	9°30'41"	133.11'	265.61'
"V-3" LINE	(48)	1200.00'	22°12'07"	235.45'	465.00'





KEYMAP

SHEET - 1 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN

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

CH2MHILL
1000 WILSHIRE BLVD, #2100
LOS ANGELES, CA 90017

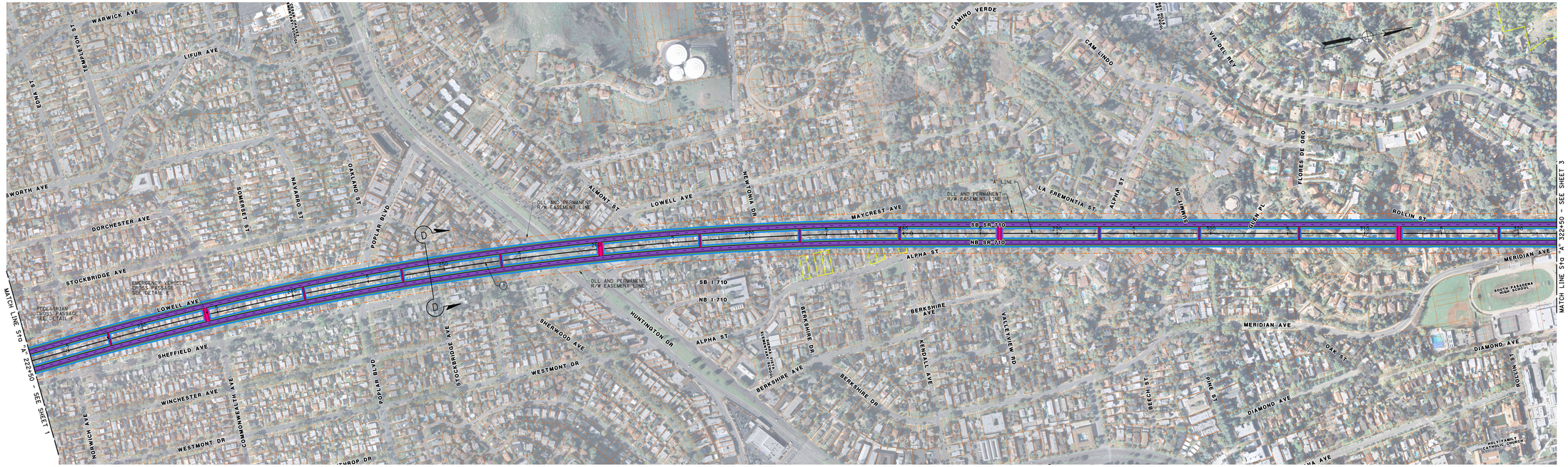
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012-2952

710 STUDY
CONCEPTUAL DESIGN

Alternative F-7

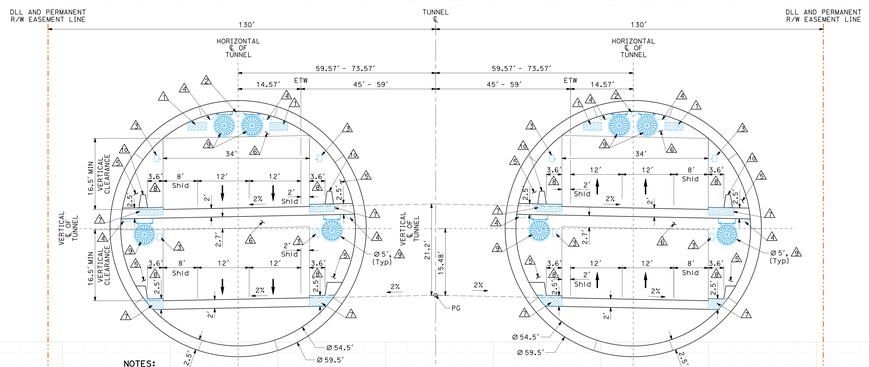
Sheet No. 1 OF 6

DATE: OCT 2012



PLAN

SCALE: 1"=200'

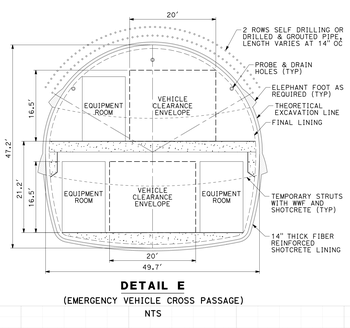


SECTION D-D

NTS

NOTES:

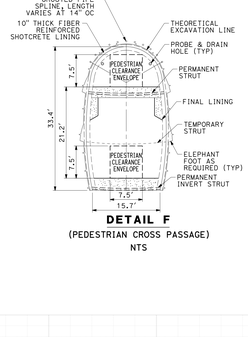
1. AREA FOR LIGHTING EQUIPMENT, APPROX. 2.0'X1.5'
2. AUTOMATIC FIRE DETECTION SYSTEM
3. CCTV/VIDEO DETECTION SYSTEM AREA FOR MEASUREMENT EQUIPMENT, APPROX. 0.8'X1.0'
4. CABLE TRAY
5. AREA FOR EMERGENCY CABINET, FIRE FIGHTING SYSTEM
6. TRAFFIC SIGNS (SIZE SHALL BE DETERMINED)
7. AREA FOR CABLES AND WATER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



DETAIL E

(EMERGENCY VEHICLE CROSS PASSAGE)

NTS



DETAIL F

(PEDESTRIAN CROSS PASSAGE)

NTS

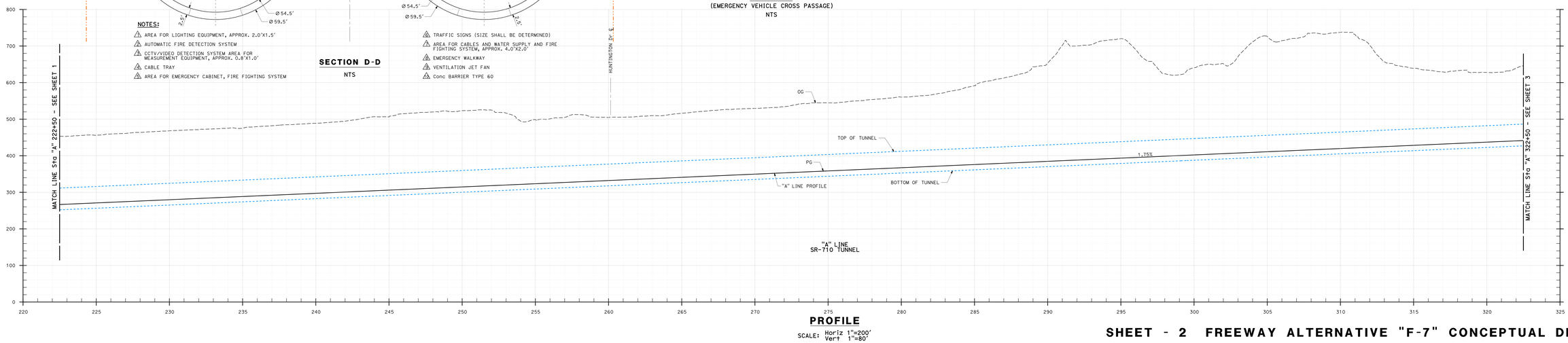
KEYMAP

LEGEND:

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

CURVE DATA TABLE

Alignment	No.	R	D	T	L
"A" LINE	1	20100.00'	15°51'01"	2798.09'	5560.45'



PROFILE

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

SHEET - 2 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN

Caltrans
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012

CH2MHILL
1000 WILSHIRE BLVD, SUITE 2200
LOS ANGELES, CA 90017
(213) 538-6000

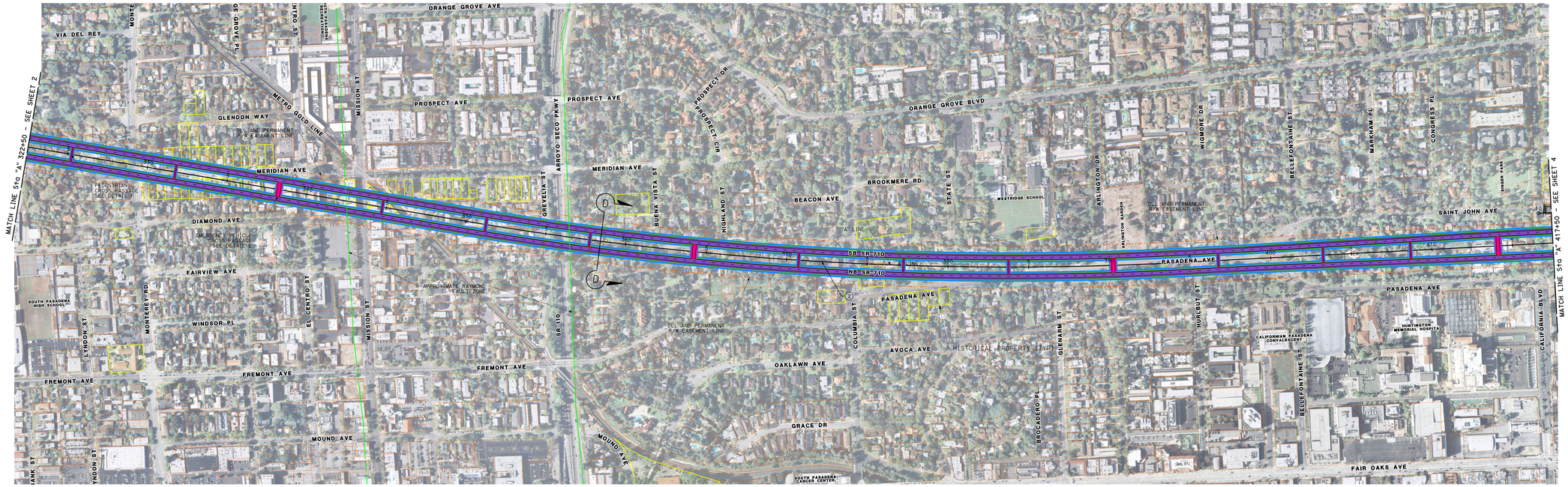
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012-2952

710 STUDY
CONCEPTUAL DESIGN

ALTERNATIVE F-7

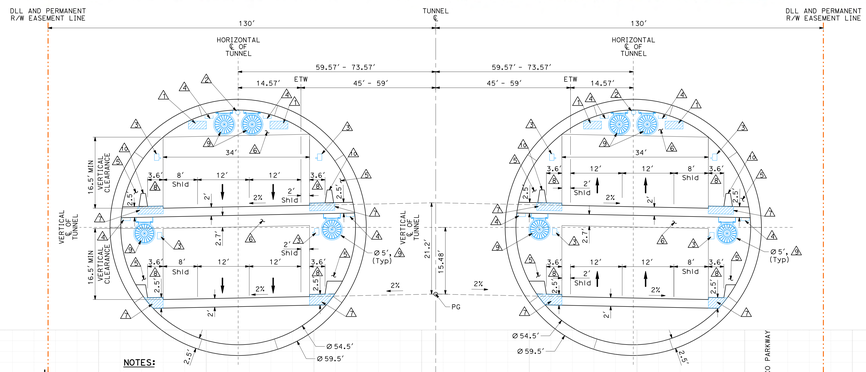
DESIGN — BY — DATE
DRAWN — BY — DATE
CHECKED — BY — DATE
QUALITY CONTROL — BY — DATE
PROJECT MANAGER — BY — DATE
OCT 2012

DIST — COUNTY — ROUTE — POST MILE
07 — LA — 710 — 2 OF 6

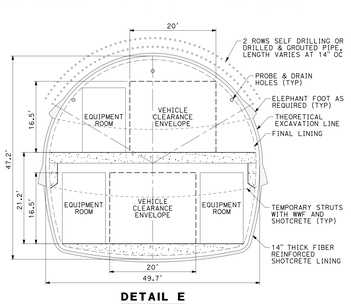


LEGEND:
- BRIDGE
- CUT & COVER TUNNEL
- TUNNEL BORING MACHINE (TBM)
- PAVEMENT
- TUNNEL CROSS PASSAGES
- HISTORIC PROPERTY
- DISTURBANCE LIMIT LINE (DLL)

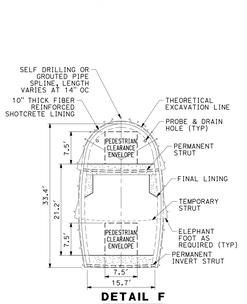
PLAN
SCALE: 1"=200'



SECTION D-D
NTS



DETAIL E
(EMERGENCY VEHICLE CROSS PASSAGE)
NTS

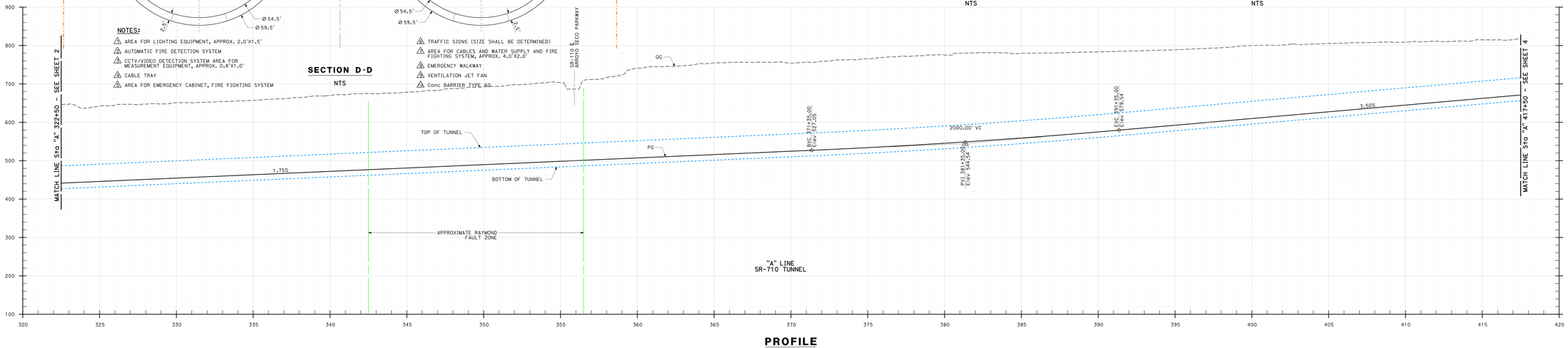


DETAIL F
(PEDESTRIAN CROSS PASSAGE)
NTS

CURVE DATA TABLE

Alignment	No.	R	D	T	L
"A" LINE	②	20100.00'	12°37'46"	2224.31'	4430.59'

KEYMAP



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

SHEET - 3 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN

Caltrans
DISTRICT 07
100 SOUTH MAIN STREET
LOS ANGELES, CA 90012

STANTEC/HILL
1000 WILSHIRE BLVD #2700
LOS ANGELES, CA 90017

Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

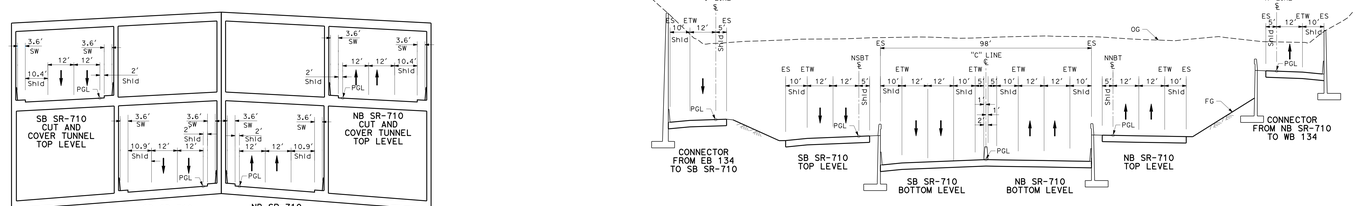
710 STUDY
CONCEPTUAL DESIGN

ALTERNATIVE F-7

SHEET 3 OF 6
DATE SHOWN
OCT. 2012

PLAN

SCALE: 1"=200'

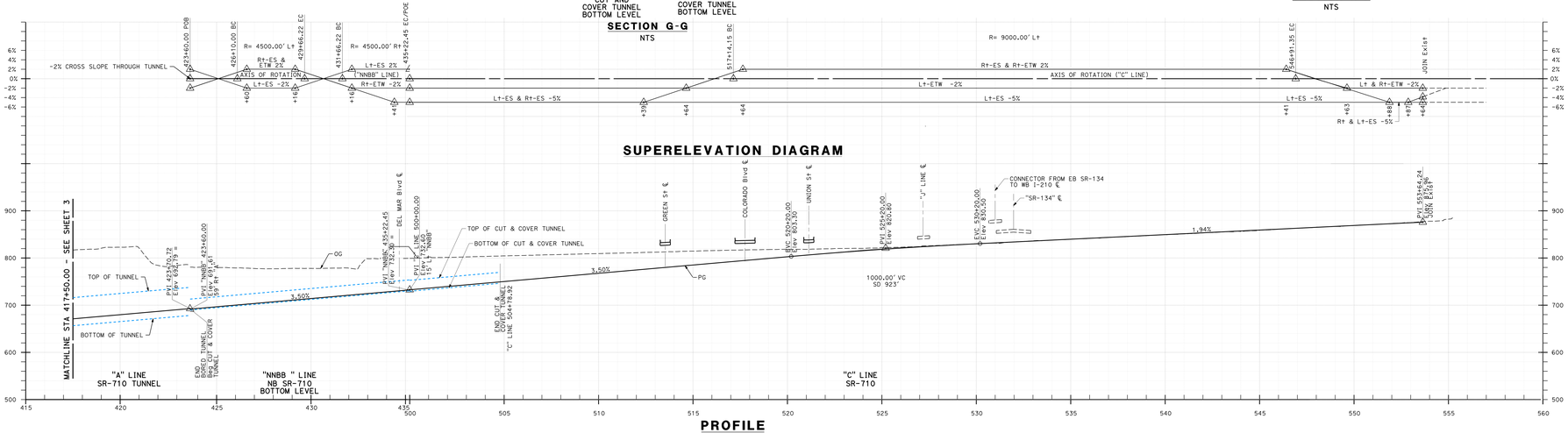


SECTION H-H

NTS

SECTION G-G

NTS



SUPERELEVATION DIAGRAM

PROFILE

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

LEGEND:

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

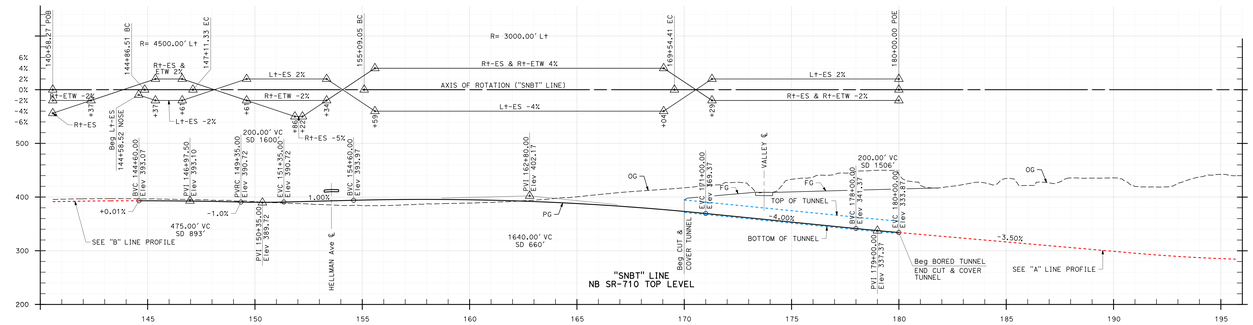
KEYMAP

CURVE DATA TABLE

Alignment	No.	R	D	T	L
"C" LINE	(5)	9000.00'	18°57'13"	1502.33'	2977.21'
"H" LINE	(15)	3000.00'	6°48'06"	178.28'	356.14'
"H" LINE	(16)	964.00'	5°56'37"	50.04'	100.00'
"I" LINE	(18)	3000.00'	2°26'56"	64.12'	128.22'
"I" LINE	(19)	565.00'	104°51'06"	734.35'	1033.95'
"J" LINE	(20)	1164.00'	11°33'39"	117.83'	234.86'
"NNBB" LINE	(23)	4500.00'	4°32'08"	178.21'	356.22'
"NNBB" LINE	(24)	4500.00'	4°32'08"	178.21'	356.22'
"NNBT" LINE	(25)	9059.00'	2°45'05"	217.55'	435.01'
"NNBT" LINE	(26)	5000.00'	5°03'29"	220.84'	441.39'
"NNBT" LINE	(27)	9040.00'	1°54'09"	150.09'	300.16'
"NSBB" LINE	(28)	4500.00'	4°32'08"	178.21'	356.23'
"NSBB" LINE	(29)	4500.00'	4°32'08"	178.21'	356.23'
"NSBT" LINE	(30)	4500.00'	3°00'17"	118.02'	235.98'
"NSBT" LINE	(31)	8960.00'	2°33'29"	200.06'	400.05'
"SJ" LINE	(32)	7000.00'	5°58'19"	365.13'	729.61'

Caltrans
CH2MHILL
Metro
710 STUDY
CONCEPTUAL DESIGN
F-7
4 OF 6
OCT 2012

SHEET - 4 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN



PROFILE / SUPERELEVATION DIAGRAM

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

SHEET - 5 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN

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

CH2MHILL
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

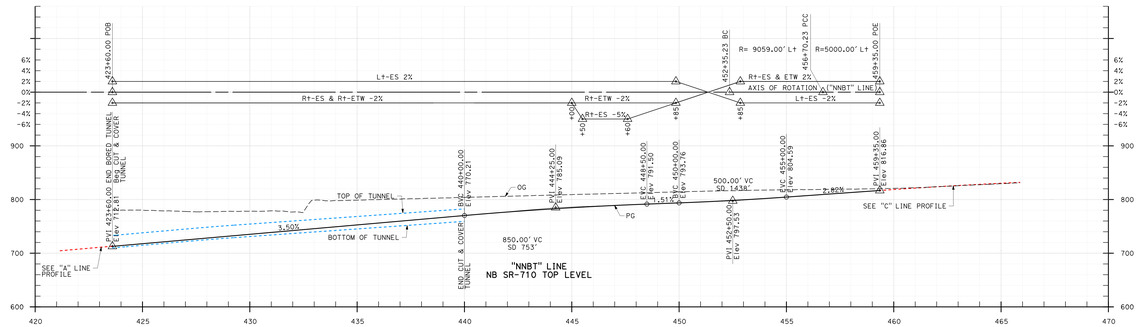
Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012

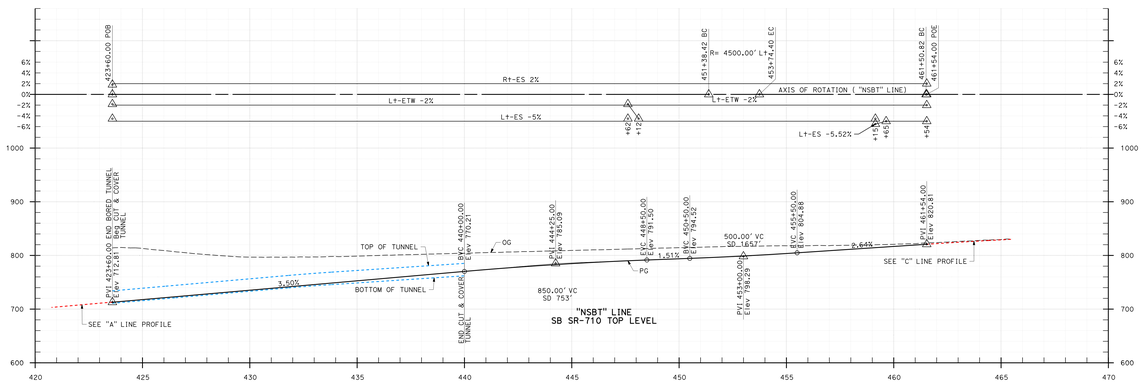
710 STUDY
CONCEPTUAL DESIGN

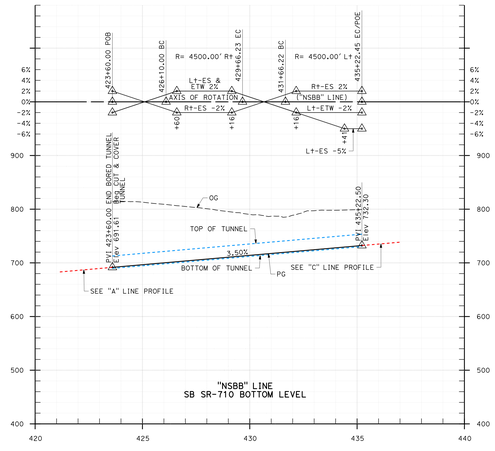
Alternative
F-7

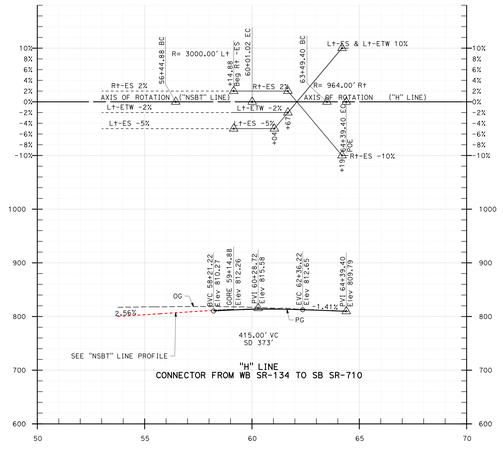
Sheet No.
8 OF 8

Date
SEPT 2012



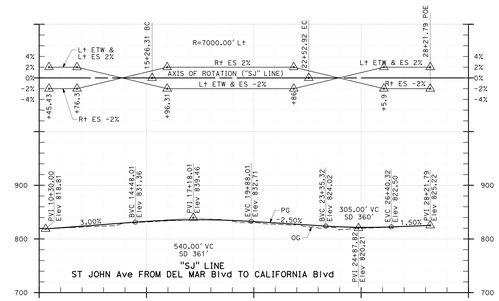


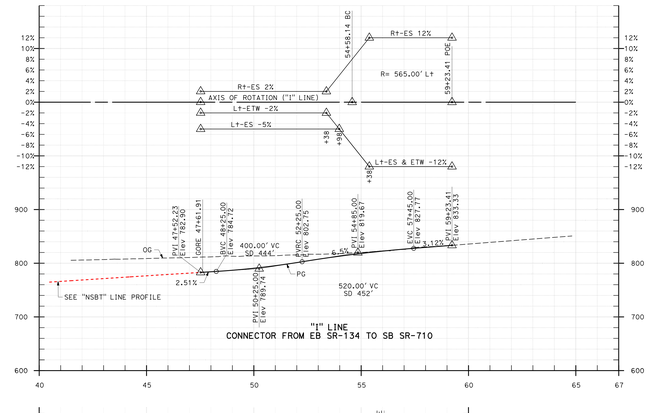


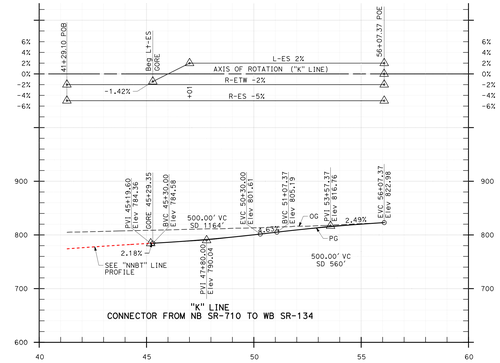


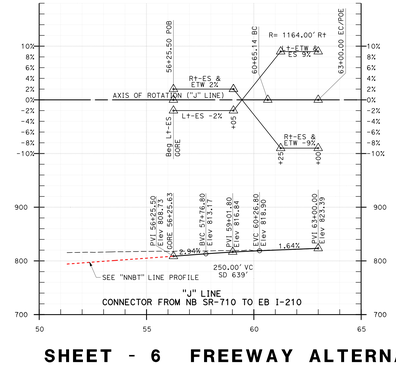
PROFILE / SUPERELEVATION DIAGRAM

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









SHEET - 6 FREEWAY ALTERNATIVE "F-7" CONCEPTUAL DESIGN

Caltrans
DISTRICT 11
2829 SOUTH HAVEN STREET
SAN DIEGO, CA 92103-3623

CH2MHILL
1000 WILSHIRE BLVD, #1700
LOS ANGELES, CA 90017

Metro
ONE GATEWAY PLAZA
LOS ANGELES, CA 90012-2952

710 STUDY
CONCEPTUAL DESIGN

F-7

6 OF 6
DATE SHOWN
OCT 2012