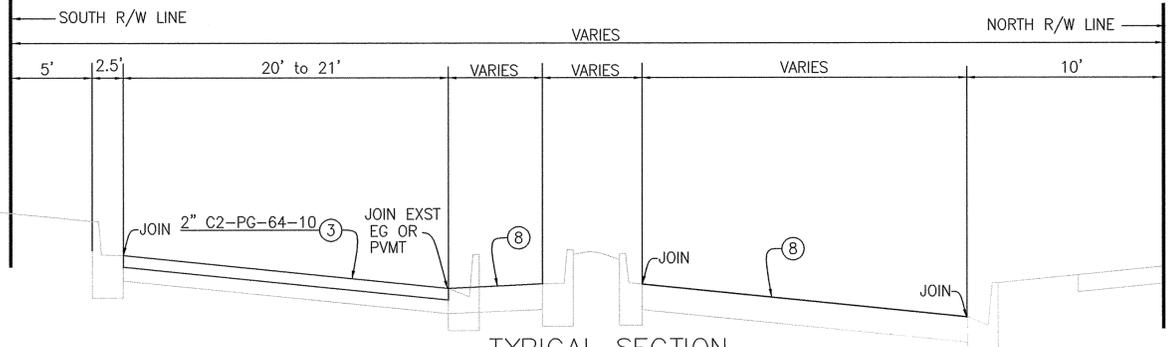
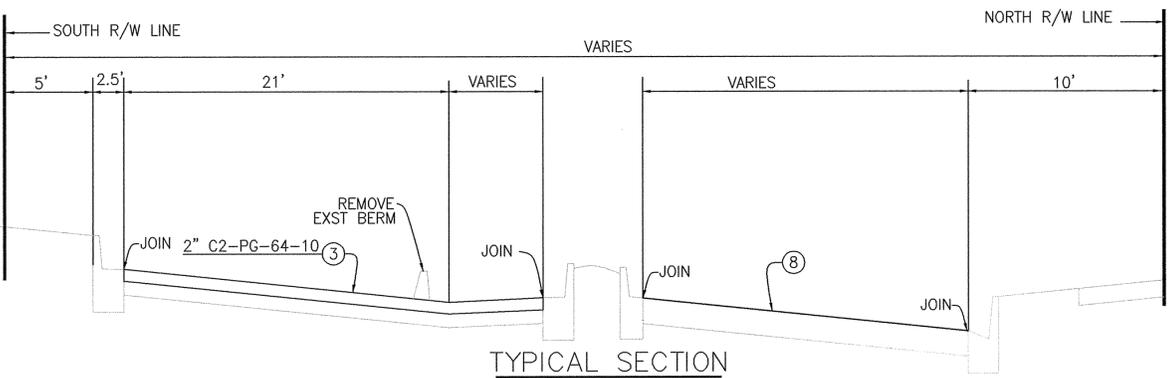


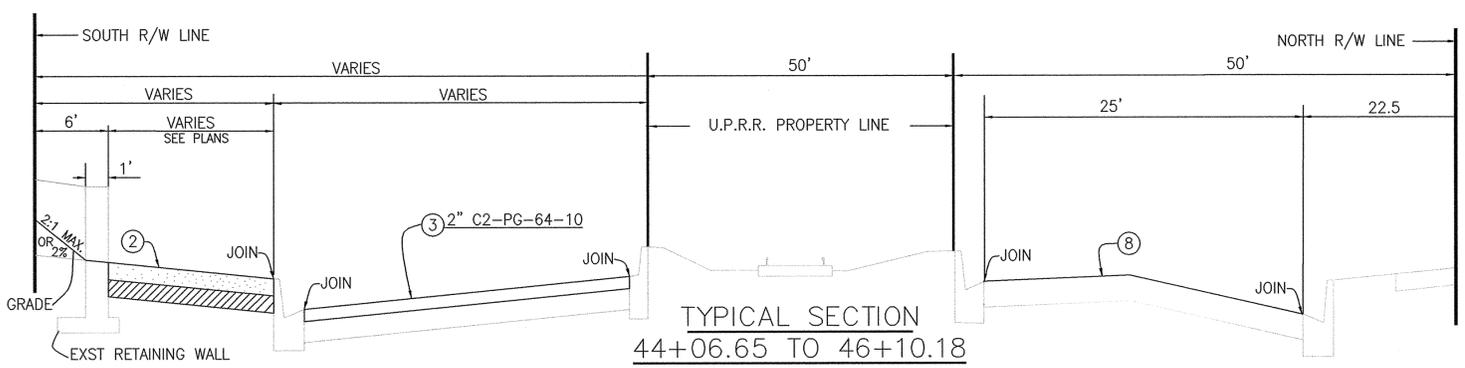
TYPICAL SECTION
192+80 SE TO 196+65 SE
N.T.S.



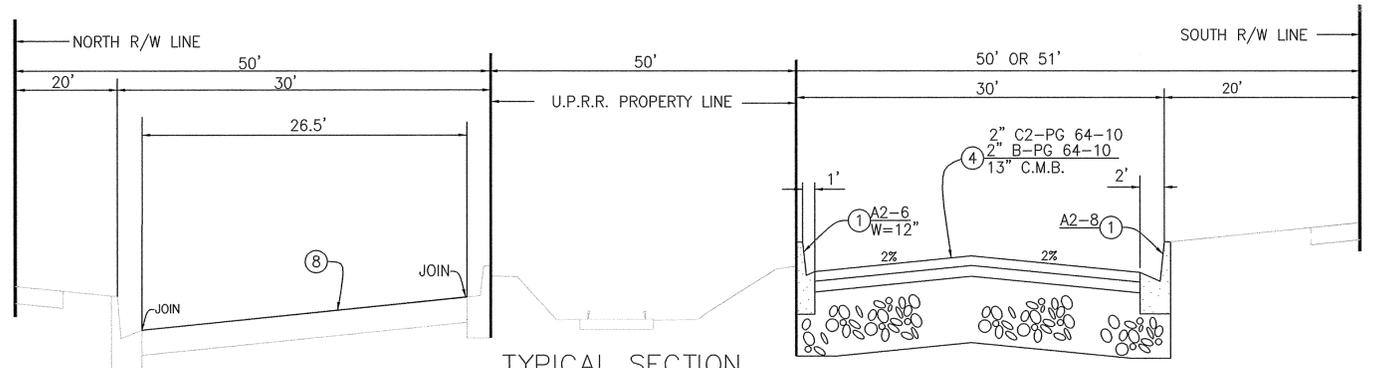
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198+55.41 SE TO 200+35.19 W
40+00 E TO 41+50 E
N.T.S.



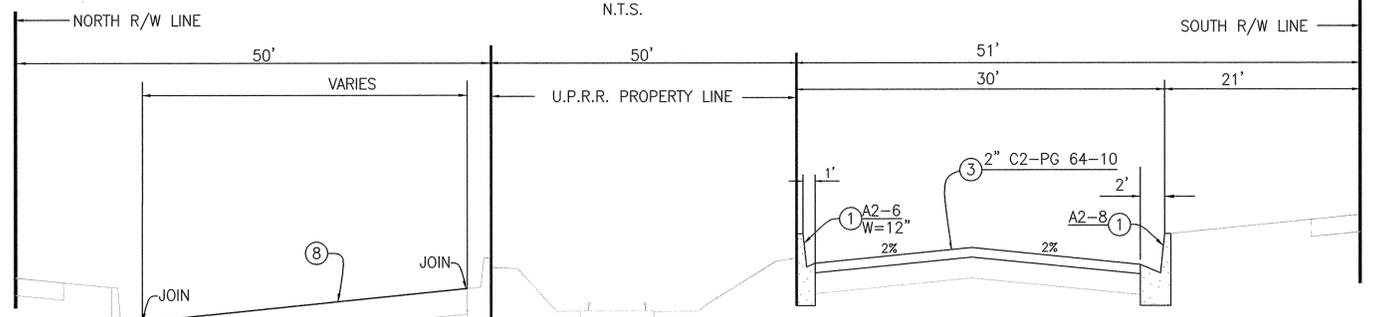
TYPICAL SECTION
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N.T.S.



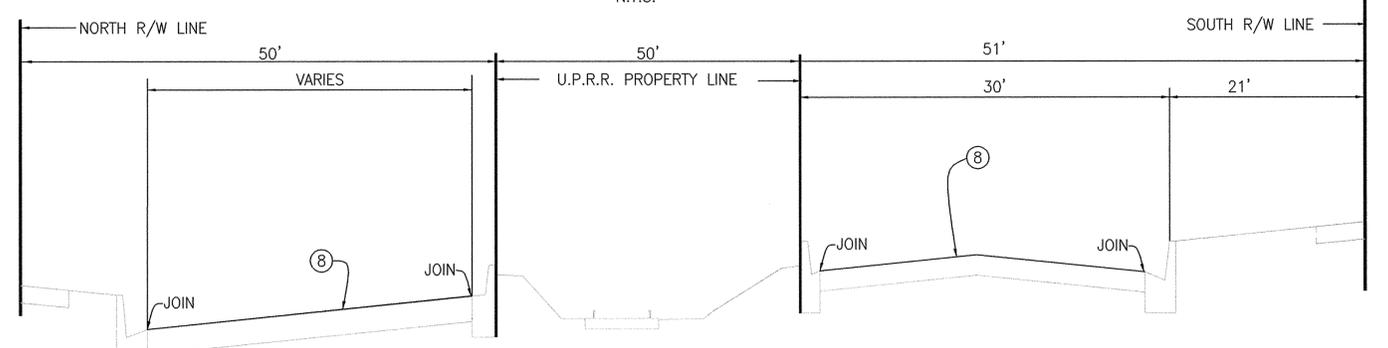
TYPICAL SECTION
44+06.65 TO 46+10.18
12+42.55 TO 10+00
4+27.48 TO 4+60.17
N.T.S.



TYPICAL SECTION
4+60.17 E TO 6+82.03 E
N.T.S.



TYPICAL SECTION
6+82.03 E TO 7+52.27 E
N.T.S.



TYPICAL SECTION
7+52.27 E TO 11+03.75 E
N.T.S.

- CONSTRUCTION NOTES**
- ① INSTALL PCC CURB OR PCC CURB & GUTTER ON 8" CMB PER SPPWC STD 120-1
 - ② VARIABLE WIDTH 3-1/2" PCC SIDEWALK ON 4" CMB
 - ③ COLDMILL 2" DEPTH AND OVERLAY 2" AC (C2-PG 64-10)
 - ④ A.C. PAVEMENT ON CMB PER CROSS SECTIONS ON SHEET 2
 - ⑤ CURB RAMP PER SPPWC STD 111-3, CASE D, TYPE 2, DETAIL D, 4" PCC ON 4" CMB
 - ⑥ CURB RAMP PER SPPWC STD 111-3, CASE C, 4" PCC ON 4" CMB
 - ⑦ DRIVEWAY APPROACH PER STD 110-1, TYPE C, 6" THICK PCC ON 8" CMB
 - ⑧ SLURRY SEAL, TYPE II
 - ⑨ ADJUST MANHOLE TO GRADE
 - ⑩ REMOVE AND INSTALL PARKWAY DRAIN PER SPPWC STD151-1, TYPE 1, S= 48", ON 4" CMB
 - ⑪ REMOVE AND INSTALL NEW CURB DRAIN PER SPPWC STD 150-2, CASE 1, A= 37", N=3
 - ⑫ CURB RAMP PER SPPWC STD 111-3, CASE D, TYPE 1, DETAIL D, 4" PCC ON 4" CMB
 - ⑬ REMOVE AC CURB
 - ⑭ REMOVE CONCRETE CURB AND/OR CURB AND GUTTER
 - ⑮ LANDSCAPE AND ADJUST IRRIGATION PER SPECIFICATIONS
 - ⑯ CROSS GUTTER PER SPPWC STD 122-1, 8" PCC ON 8" CMB

TYPICAL CROSS SECTIONS

	REV.	DATE	DESCRIPTION	BY	CHECKED		CITY OF TORRANCE PUBLIC WORKS DEPARTMENT			
							DRAWN: V PRASAD	APPROVED: <i>Elizabeth Overstreet</i> 2/11/11		
							DESIGNED: LAUREN SABLAN	ELIZABETH OVERSTREET CITY ENGINEER DATE		
							PROJECT ENGINEER: <i>Lauren Sablan</i> LAUREN SABLAN	R.C.E. NO. 63944 EXP. 9/30/2012		
						PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	SCALE: AS SHOWN SHEET 2 OF 14	PLAN NO. ST-1043		

75

75

70

70

65

65

60

60

189+48.0 BCR
(71.25)

(71.12)

(71.05)

(70.50)

ECR (NORTH MEDIAN)
(87.70)
(88.26) EG SOUTH CURB

EXISTING EDGE OF GUTTER OF SOUTH MEDIAN (TO BE REMOVED)

EXISTING EDGE OF PAVEMENT AT SOUTH CURB

EXISTING EDGE OF SOUTHERLY GUTTER OF NORTH MEDIAN (TO REMAIN)

SCALE:
1" = 20' (HOR.)
1" = 2' (VER.)

193+00

194+00

195+00

196+00

197+00

198+00

PROFILE



TORRANCE

ALLEY

BOULEVARD

VAN NESS AVENUE

L.A.C.F.C.D. S.D.M.H.

EXIST. 36" R.C.P. SD-1003 (LACFCD SD PROJECT NO. 241)

NORTH MEDIAN

SOUTH MEDIAN

EXIST. CURB & GUTTER (1)

EXIST. P.B. (ABANDONED)

(2) CURB AND GUTTER

(2) CURB & GUTTER

P.B.

P.B. CONC. PAD

SIGNAL P.B. (3)

SD SEAL (4)

SD (5)

AC BERM (2)

STORM DRAIN (2)

192+00

193+00

194+00

195+00

196+00

197+00

SARTORI AVENUE

EXIST. R.R. TRACKS

U.P.R.R.

EXIST. R.R. TRACKS

EXIST. AC

POST AVE. ALLEY

CABRILLO AVENUE

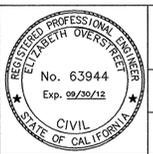
EXIST. SIDEWALK

CONSTRUCTION NOTES

- (1) PROTECT IN PLACE
- (2) REMOVE EXISTING IMPROVEMENT
- (3) REMOVE EXISTING PAVEMENT & UNCLASSIFIED MATERIALS TO DEPTH OF 15.5"
- (4) SAWCUT EXISTING AC PAVEMENT
- (5) CONSTRUCT 3" C2-PG-64-10 OVER 4" B-PG-64-10 ON 8.5" CMB
- (6) CONSTRUCT ABANDONMENT SEAL FOR RCP INLET PER S.S.P.W.C. STD. PLAN 381-1
- (7) CONTRACTOR TO ADJUST TO GRADE AND PROVIDE TRAFFIC RATED COVER FOR SCE HANDHOLES. IF HANDHOLE IS TO BE RELOCATED, COORDINATE WITH JODIE CLAPP OF SCE AT (310) 783-9302.
- (8) RELOCATE/ADJUST UTILITY

CONSTRUCT 7" AC PAVEMENT (2 LIFTS) ON 8.5" CMB

REV.	DATE	DESCRIPTION	BY	CHECKED



**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

DRAWN: HENRY C
DESIGNED: HENRY C
PROJECT ENGINEER: BILL KAMIMURA
PROJECT MANAGER: BETH OVERSTREET

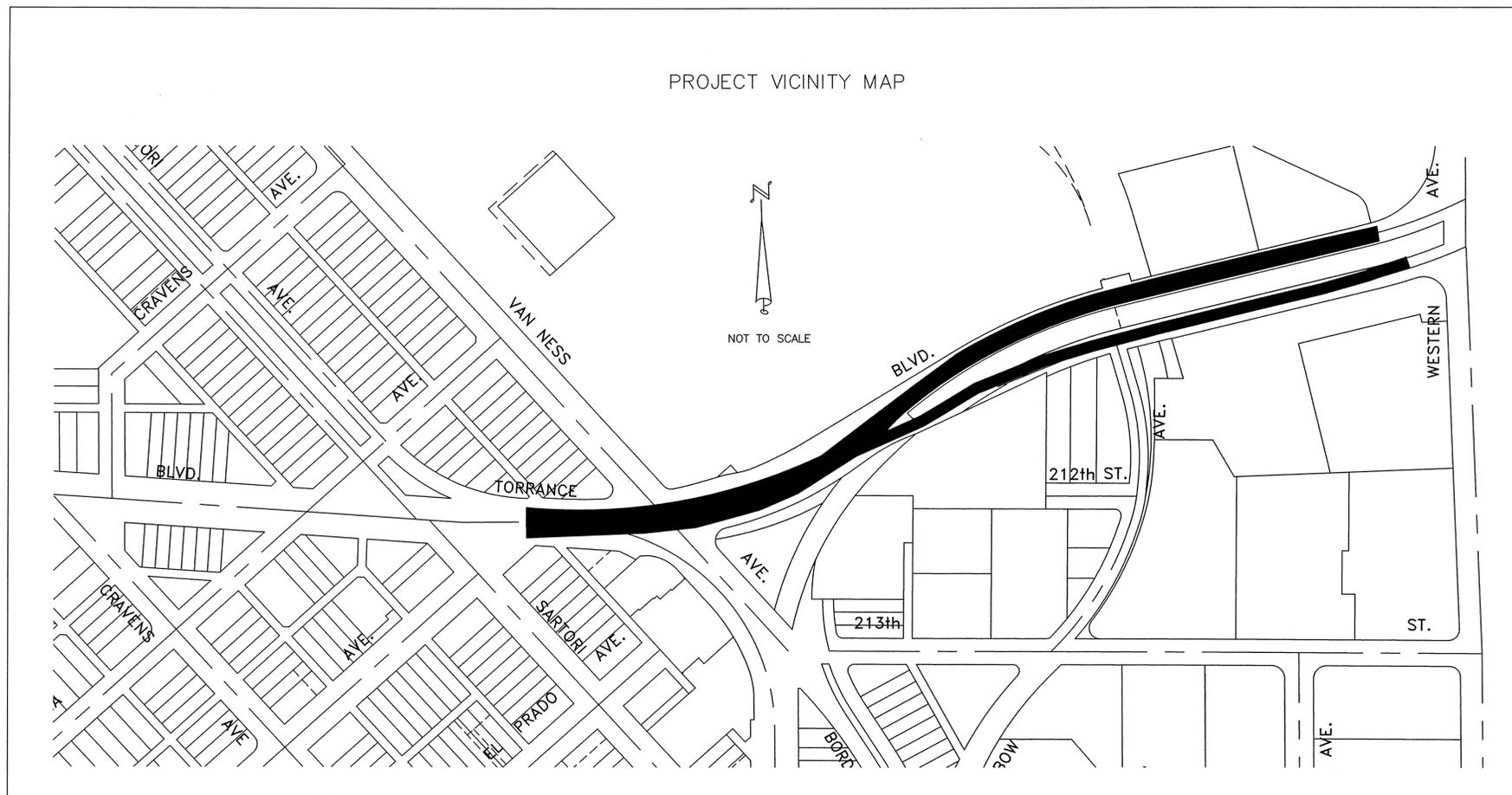
APPROVED: *Elizabeth F. Overstreet* 2/4/11
ELIZABETH F. OVERSTREET
CITY ENGINEER
R.C.E. NO. 63944 EXP. 9/30/12

SCALE: AS SHOWN SHEET 3 OF 14
PLAN NO. **ST-1043**

X:\ENG\Complete\Torrance Bl LT Pocket\Torrance Boulevard LT Pocket Lane

TRAFFIC CONTROL GENERAL NOTES

- ALL TRAFFIC CONTROL WORK FOR CONSTRUCTION SHALL CONFORM TO PART 6, "TEMPORARY TRAFFIC CONTROL," OF THE LATEST EDITION OF THE CALIFORNIA MUTCD. SIGNS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
- EXACT LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE AS DIRECTED BY ENGINEER BASED ON CONSTRUCTION CONDITIONS. ADDITIONAL WARNING OR CONSTRUCTION SIGNS MAY BE REQUIRED BY THE ENGINEER.
- ALL NIGHT TIME WORK SHALL BE APPROVED IN ADVANCE BY THE ENGINEER.
- STREET CLOSURES SHALL BE APPROVED BY THE ENGINEER WHENEVER APPLICABLE. DETOUR PLANS SHALL BE SUBMITTED AND APPROVED BY THE CITY WHENEVER APPLICABLE. RESIDENTS/BUSINESSES SHALL BE NOTIFIED ONE WEEK PRIOR TO CONSTRUCTION.
- PRESSURE SENSITIVE DETOUR GRADE TRAFFIC MARKING TAPE AND/OR TEMPORARY FLEXIBLE RAISED PAVEMENT MARKERS MAY BE REQUIRED TO SUPPLEMENT THE CHANNELIZING DEVICES, DRUMS, REFLECTORIZED SIGNS, PAINT, AND BARRICADES AS DIRECTED BY THE ENGINEER.
- ALL CONFLICTING STRIPES, PAVEMENT MARKINGS, RAISED PAVEMENT MARKERS AND LEGENDS SHALL BE COMPLETELY REMOVED BY WET SANDBLASTING OR GRINDING PRIOR TO ANY CHANGE IN THE TRAFFIC PATTERN. NO CONFLICTING STRIPES, PAVEMENT MARKINGS OR LEGENDS SHALL BE BLACKED OUT WITH PAINT.
- ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES.
- ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE, UNLESS NOTED OTHERWISE. ALL W20-1, W20-5, AND W4-2 SIGNS SHALL BE MINIMUM 36" x 36".
- ALL DRUMS SHALL BE 36" MINIMUM HEIGHT, PORTABLE, WITH REFLECTORIZED 4"-6" WHITE AND ORANGE STRIPES, WITH WEIGHTED BASES OR BALLAST RINGS. DRUMS SHALL BE MADE OF A FLEXIBLE MATERIAL, 18"-36" IN DIAMETER AND SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY. DRUMS FOR NIGHT TIME USE SHALL BE PROVIDED WITH FLASHING WARNING LIGHTS.
- TYPE II BARRICADES MAY BE USED IN ADDITION TO THE DRUMS, AT THE DISCRETION OF THE CONTRACTOR, WHEN THEY ARE INTENDED TO PROVIDE ADDITIONAL EMPHASIS IN AREAS WHERE WORKERS ARE PRESENT.
- USE AND PLACEMENT OF FLASHING ARROW BOARD(S) AND CHANGEABLE MESSAGE SIGN(S) SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN, ON A 24-HOUR BASIS, ALL SIGNS, DRUMS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC.
- THE CONTRACTOR SHALL UTILIZE FLAGGERS DURING WORK HOURS AS DEEMED NECESSARY BY THE ENGINEER.
- THE CONTRACTOR SHALL HAVE ALL SIGNS, DRUMS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION AND BEFORE ATTEMPTING TO SWITCH TO A SUBSEQUENT STAGE DURING WORK HOURS.
- CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING BUSINESSES AND PROPERTY OWNERS.
- CONSTRUCTION TRUCK TRAFFIC MERGING INTO TRAFFIC LANES SHALL BE DONE BY USE OF FLAGGER AND APPROPRIATE SIGNAGE AS DIRECTED BY ENGINEER.
- FLASHING ARROW SIGNS (F.A.S.) AND PORTABLE CHANGEABLE MESSAGE SIGNS (P.C.M.S.) SHALL CONFORM TO THE SPECIAL PROVISIONS AND BE EITHER SOLAR OR BATTERY OPERATED. GASOLINE AND DIESEL POWERED F.A.S. AND P.C.M.S. ARE PROHIBITED.
- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND REFLECTORIZED PER CALTRANS SPECIFICATIONS UNLESS OTHERWISE NOTED.
- FOR EACH CONSTRUCTION PHASE THE CONTRACTOR SHALL BE REQUIRED TO INSTALL STRIPING, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS AFTER THE COMPLETION OF THAT RESPECTIVE PHASE OF CONSTRUCTION.
- NO TWO CONSECUTIVE CROSS STREETS SHALL BE SIMULTANEOUSLY CLOSED FOR CONSTRUCTION.
- ALL WORK IN EACH PHASE SHALL BE COMPLETE BEFORE WORK IN ANOTHER PHASE MAY BEGIN.
- NEW CONCRETE CURB AND GUTTER, SIDEWALKS, DRIVEWAYS, AND ACCESS RAMPS AT ALL INTERSECTIONS SHALL BE COMPLETE AND IN PLACE PRIOR TO THE START OF ANY PAVEMENT RECONSTRUCTION.
- TRAFFIC SIGNALS (EXISTING, NEW OR TEMPORARY) SHALL BE IN OPERATION AT ALL TIMES AT SIGNALIZED INTERSECTIONS.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS). USE, PLACEMENT AND FLASHING MESSAGE TEXT SHALL BE AS DIRECTED BY THE ENGINEER. PAYMENT IS INCLUDED IN THE UNIT PRICE FOR "PORTABLE CHANGEABLE MESSAGE SIGNS".
- TEMPORARY "NO PARKING - TOW AWAY" SIGNS SHALL BE POSTED WITHIN AFFECTED CONSTRUCTION AREAS A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.



NOTES:
 ROAD CLOSURES ON TORRANCE BLVD. ARE ONLY ALLOWED BETWEEN THE HOURS OF 8:00 AM TO 6:00 PM ON SATURDAY AND SUNDAY. NO WEEKDAY ROAD CLOSURES WILL BE PERMITTED FOR THE FOLLOWING PHASES OF WORK:
 1) COLD MILL AND OVERLAY: SARTORI TO VAN NESS AVE.
 2) COLD MILL AND OVERLAY: EAST OF VAN NESS AVE.
 3) N/S TORRANCE BLVD- SLURRY: VAN NESS AVE. TO WESTERN AVE.
 CONTRACTOR SHALL CONTACT THE TORRANCE TRAFFIC AND LIGHTING SUPERVISOR, RICHARD HALL, AT (310) 781-6900 (OFFICE) TO INQUIRE ON AND COORDINATE ANY MODIFICATIONS TO THE TRAFFIC SIGNAL TIMINGS ON TORRANCE BLVD.

LEGEND	
+	TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
#	TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN.
P	SIGN (AS NOTED ON PLAN)
⊙	REFLECTORIZED DRUM
•	39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
↔	DIRECTION OF TRAVEL
⊠	FLASHING ARROW BOARD (FAS) SIGN
^	FLAGTREE AND SIGN
△	ANGLE POINT
12'	CONSTRUCTION LANE DIMENSION
12'	EXISTING LANE DIMENSIONS
▨	WORK AREA
CMS	CHANGEABLE MESSAGE SIGN

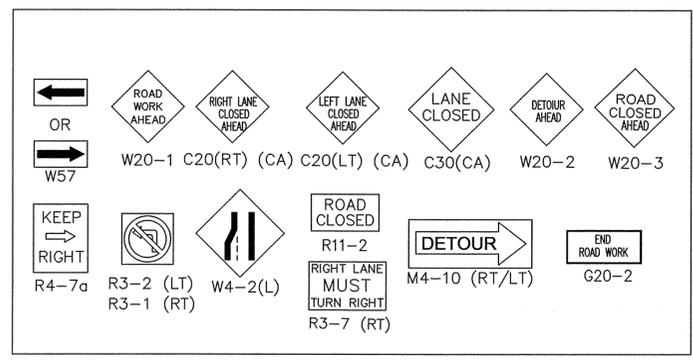
PORTABLE CHANGEABLE MESSAGE SIGN



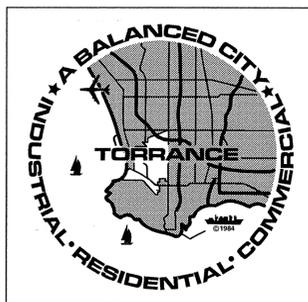
CMS SCREEN 1
(FLASH FOR 2 SECONDS)



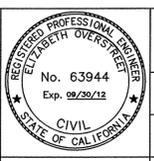
CMS SCREEN 2
(FLASH FOR 2 SECONDS)



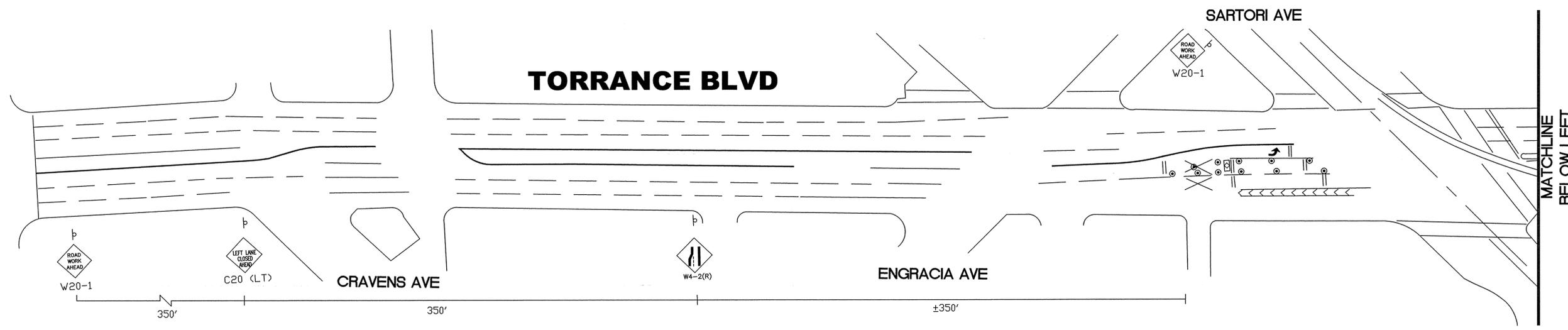
WORK AREA TRAFFIC CONTROL PLAN- TORRANCE BLVD. REHABILITATION: SARTORI AVE TO WESTERN AVE



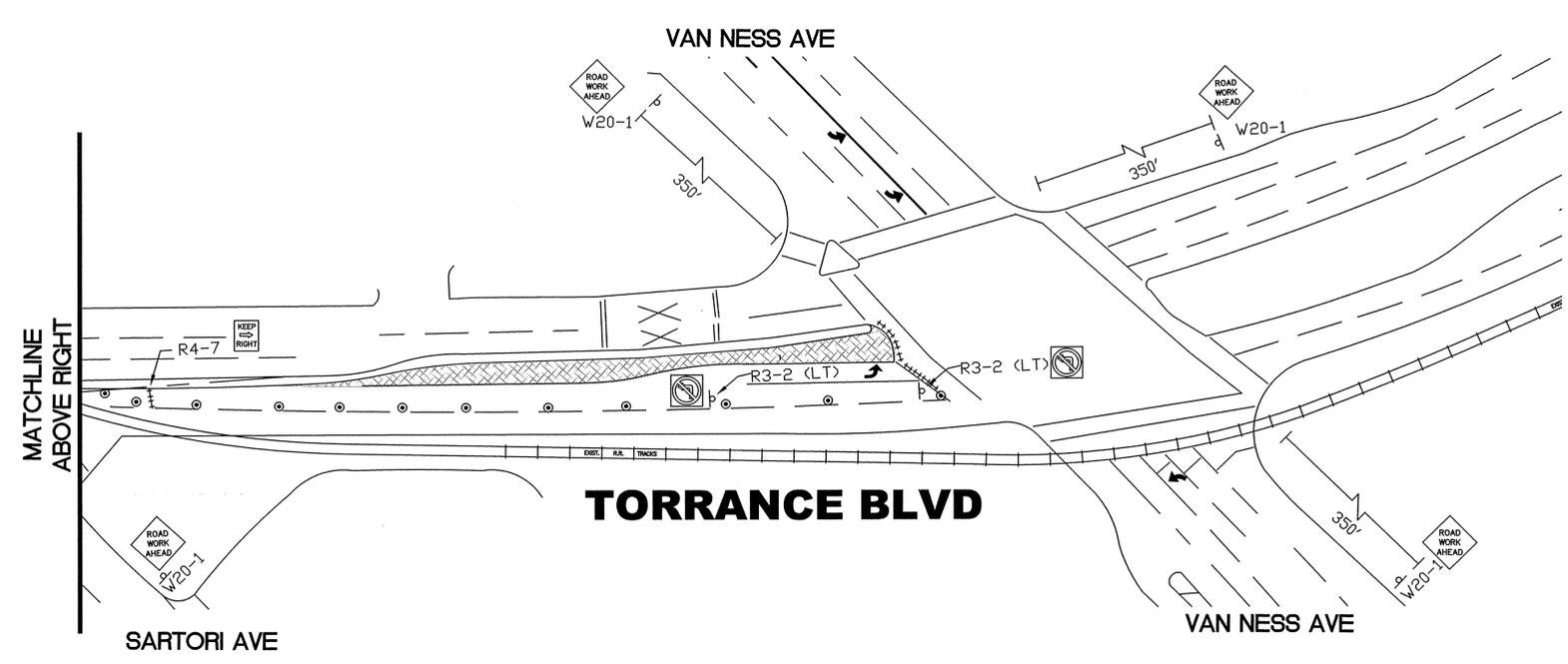
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CITY OF TORRANCE PUBLIC WORKS DEPARTMENT	
DRAWN: L REIS	APPROVED: <i>Beth F. Overstreet</i> 2/14/11
DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944
PROJECT ENGINEER: <i>LS</i> LAUREN SABLAN	DATE: 09/30/12 EXP. 09/30/12
PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	SCALE: AS SHOWN SHEET 6 OF 14 PLAN NO. ST-1043

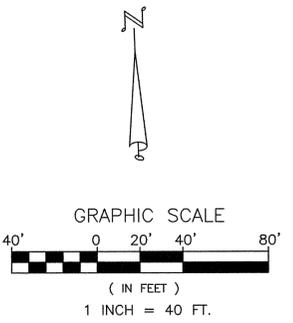


MATCHLINE BELOW LEFT

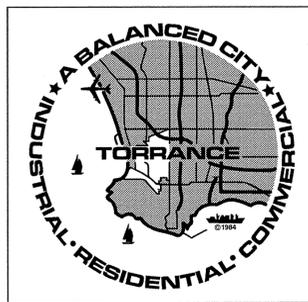


MATCHLINE ABOVE RIGHT

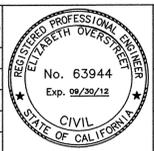
- LEGEND AND CONSTRUCTION NOTES:**
- ++ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
 - ## TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN.
 - ▲ SIGN (AS NOTED ON PLAN)
 - ⊙ REFLECTORIZED DRUM
 - 39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
 - ⇨ DIRECTION OF TRAVEL
 - ⊠ FLASHING ARROW BOARD (FAS) SIGN
 - < FLAOTREE AND SIGN
 - △ ANGLE POINT
 - 12' CONSTRUCTION LANE DIMENSION
 - 12' EXISTING LANE DIMENSIONS
 - ▨ WORK AREA
 - ◻ CMS CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL - RECONSTRUCTION OF MEDIAN



REV.	DATE	DESCRIPTION	BY	CHECKED



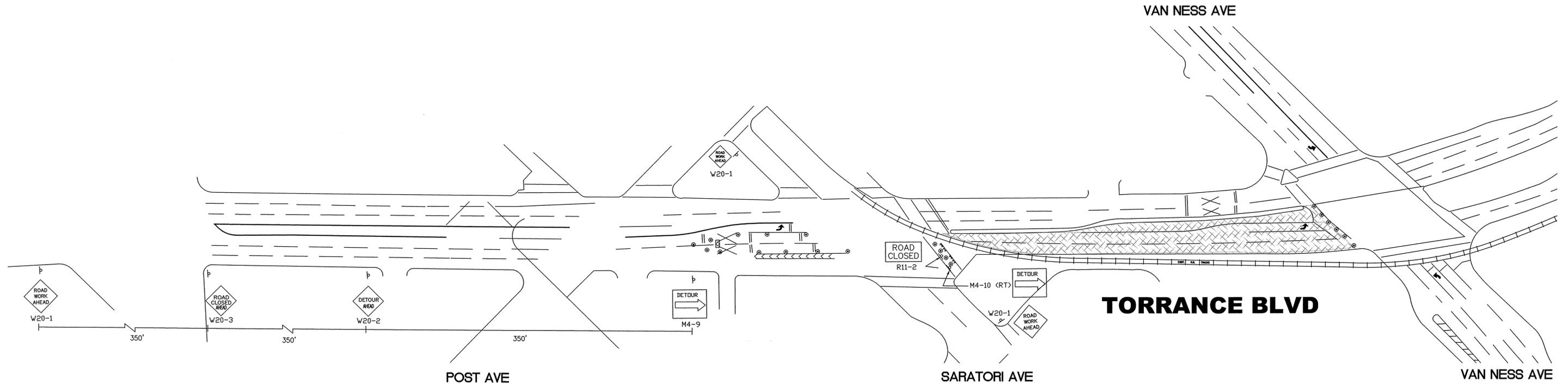
CITY OF TORRANCE PUBLIC WORKS DEPARTMENT	
DRAWN: L REIS	APPROVED: <i>Beth F. Overstreet</i> DATE: 2/4/12
DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944 EXP. 09/30/12
PROJECT ENGINEER: <i>LS</i> LAUREN SABLAN	SCALE: AS SHOWN SHEET 7 OF 14
PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	PLAN NO. ST-1043

DIAL TOLL FREE
1-800-227-2600

AT LEAST TWO DAYS
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

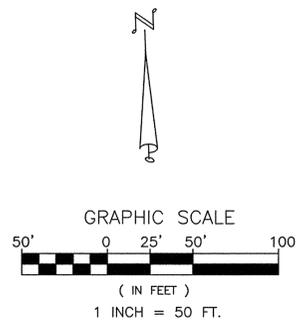
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NOTE: INSTALL ALL APPLICABLE DETOUR SIGNS FOR EASTBOUND TRAFFIC AS SHOWN ON SHEET "WORK AREA TRAFFIC CONTROL PLAN - TORRANCE BLVD, DETOUR ROUTE" IN CONJUNCTION WITH THIS PLAN.

LEGEND AND CONSTRUCTION NOTES:

- ++ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
- ## TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN. SIGN (AS NOTED ON PLAN)
- ⬆ REFLECTORIZED DRUM
- 39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
- ⇄ DIRECTION OF TRAVEL
- ⚡ FLASHING ARROW BOARD (FAS) SIGN
- ⚑ FLAGTREE AND SIGN
- △ ANGLE POINT
- 12' CONSTRUCTION LANE DIMENSION
- 12' EXISTING LANE DIMENSIONS
- [Hatched Box] WORK AREA
- [CMS Box] CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL - COLD MILL & OVERLAY: SARTORI AVE TO VAN NESS AVE.

REV.	DATE	DESCRIPTION	BY	CHECKED

**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

APPROVED:

Beth F. Overstreet
2/4/11

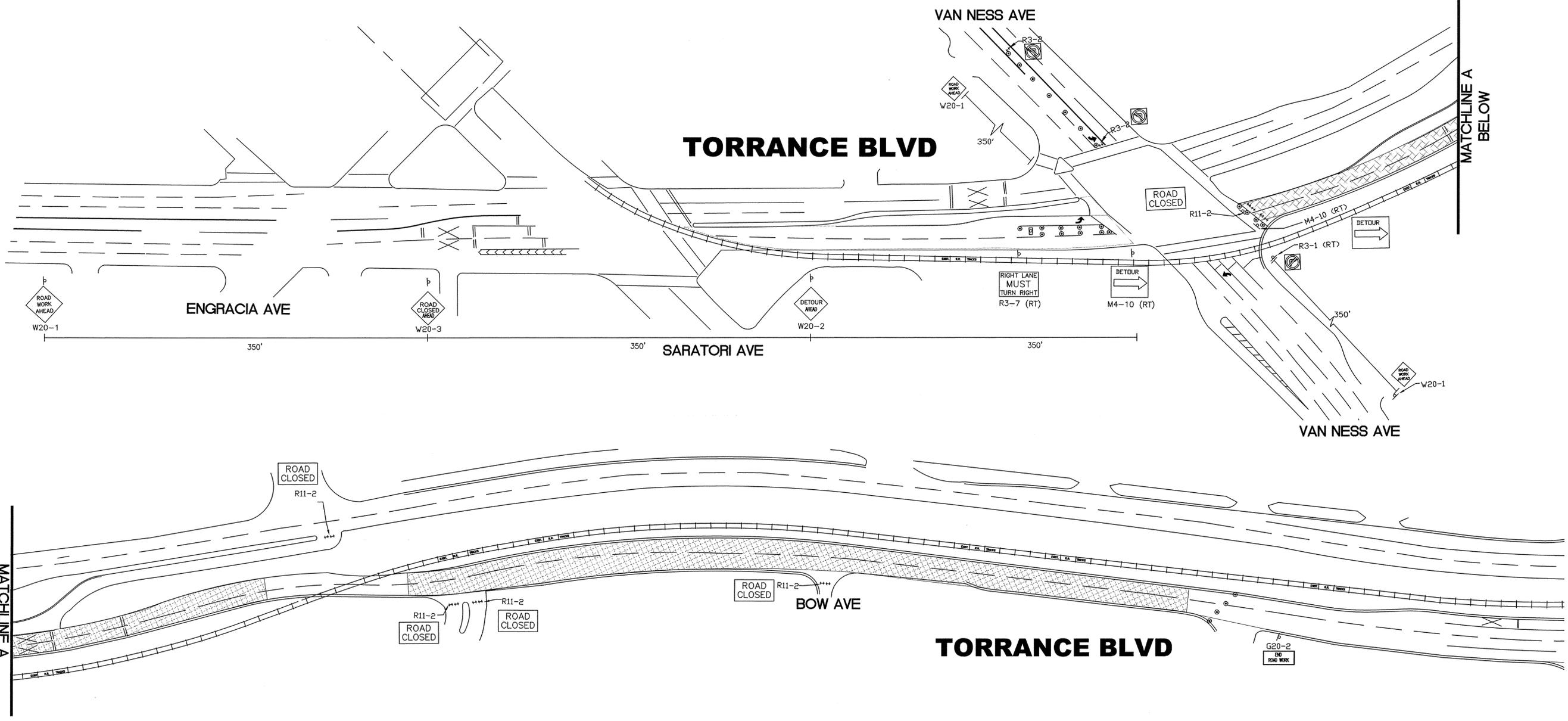
DRAWN: L REIS	DATE: 2/4/11
DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944
PROJECT ENGINEER: <i>LS</i> LAUREN SABLAN	EXP. 09/30/12
PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	SCALE: AS SHOWN SHEET 8 OF 14
PLAN NO. ST-1043	

**DIAL TOLL FREE
1-800-227-2600**

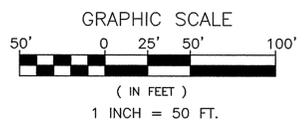
AT LEAST TWO DAYS
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

X:\ENO\enr\PROJECTS 2010\Torrance Blvd-Van Ness to Western\New Rehab Plans\Traffic Control\ST-1043-Traffic Control_PAGE 3 AND 5.dwg, 2/04/11 15:10 Trelis



NOTE: INSTALL ALL APPLICABLE DETOUR SIGNS FOR EASTBOUND TRAFFIC AS SHOWN ON SHEET "WORK AREA TRAFFIC CONTROL PLAN - TORRANCE BLVD, DETOUR ROUTE" IN CONJUNCTION WITH THIS PLAN.



LEGEND	
++	TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
#	TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN.
⊢	SIGN (AS NOTED ON PLAN)
⊙	REFLECTORIZED DRUM
•	39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
⇄	DIRECTION OF TRAVEL
⊠	FLASHING ARROW BOARD (FAS) SIGN
⋈	FLAGTREE AND SIGN
△	ANGLE POINT
12'	CONSTRUCTION LANE DIMENSION
12'	EXISTING LANE DIMENSIONS
	WORK AREA
	CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL - COLD MILL AND OVERLAY: EAST OF VAN NESS AVE.

REV.	DATE	DESCRIPTION	BY	CHECKED

**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

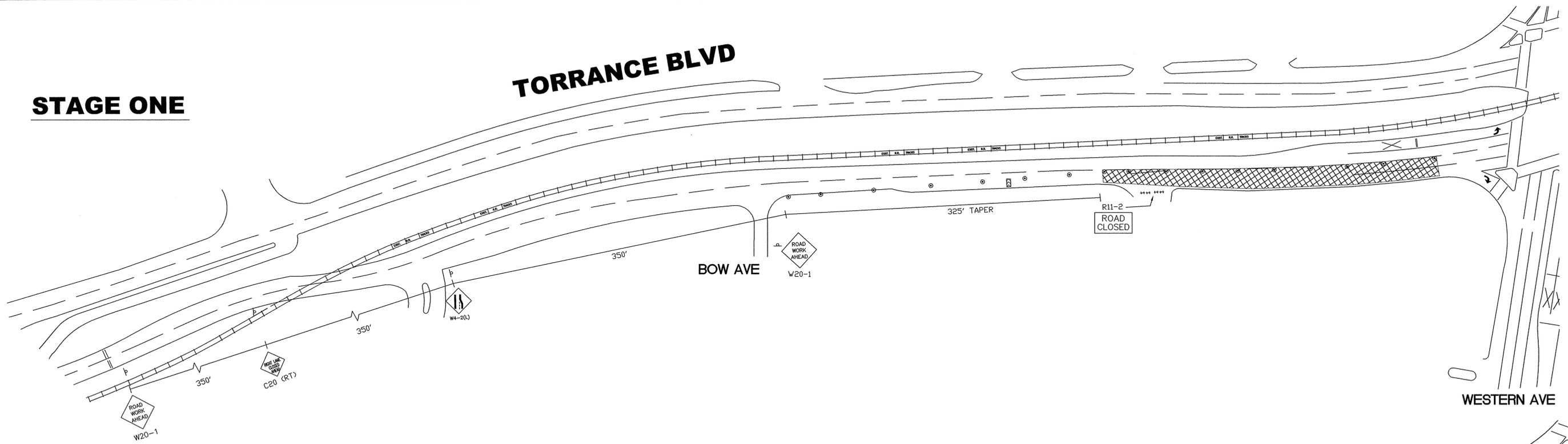
DRAWN: L REIS DESIGNED: LAUREN SABLAN PROJECT ENGINEER: LAUREN SABLAN PROJECT MANAGER: BETH OVERSTREET	APPROVED: BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944 DATE: 2/4/12 EXP. 09/30/12 SCALE: AS SHOWN SHEET 9 OF 14 PLAN NO. ST-1043
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DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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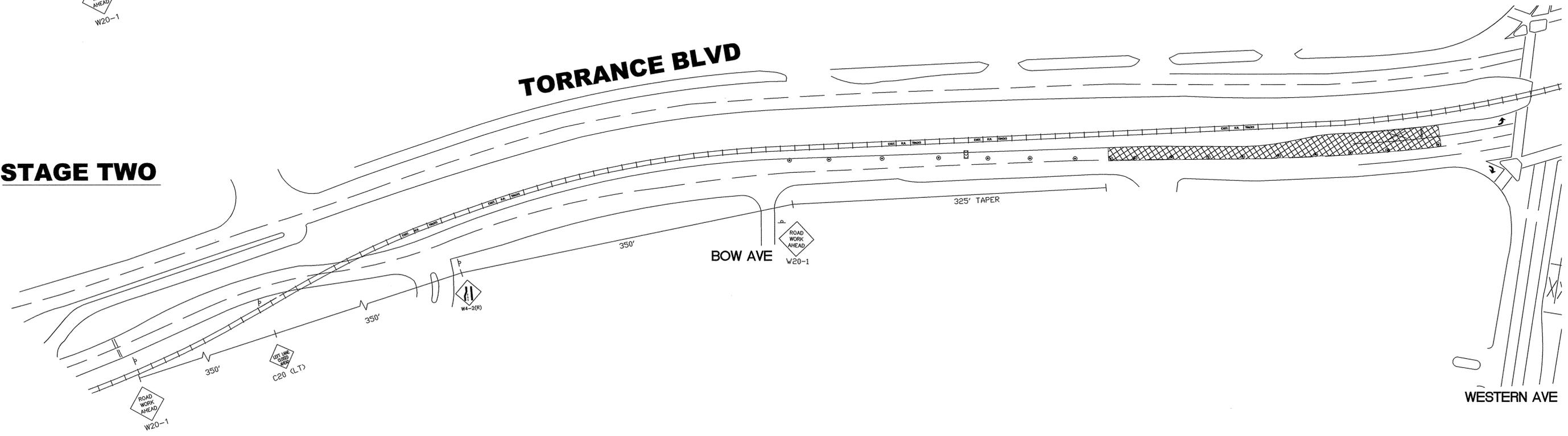
STAGE ONE

TORRANCE BLVD



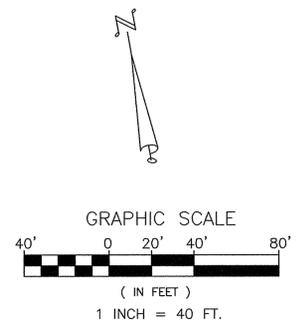
STAGE TWO

TORRANCE BLVD

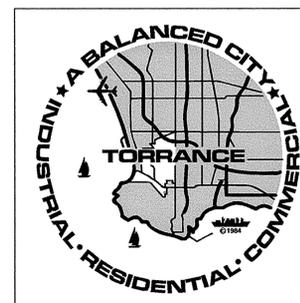


LEGEND AND CONSTRUCTION NOTES:

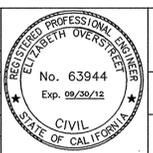
- + TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
- # TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN.
- P SIGN (AS NOTED ON PLAN)
- REFLECTORIZED DRUM
- 39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
- ⇄ DIRECTION OF TRAVEL
- ⊠ FLASHING ARROW BOARD (FAS) SIGN
- ^ FLAGTREE AND SIGN
- △ ANGLE POINT
- 12' CONSTRUCTION LANE DIMENSION
- 12' EXISTING LANE DIMENSIONS
- ▨ WORK AREA
- CMS CHANGEABLE MESSAGE SIGN



TRAFFIC CONTROL - SLURRY



REV.	DATE	DESCRIPTION	BY	CHECKED



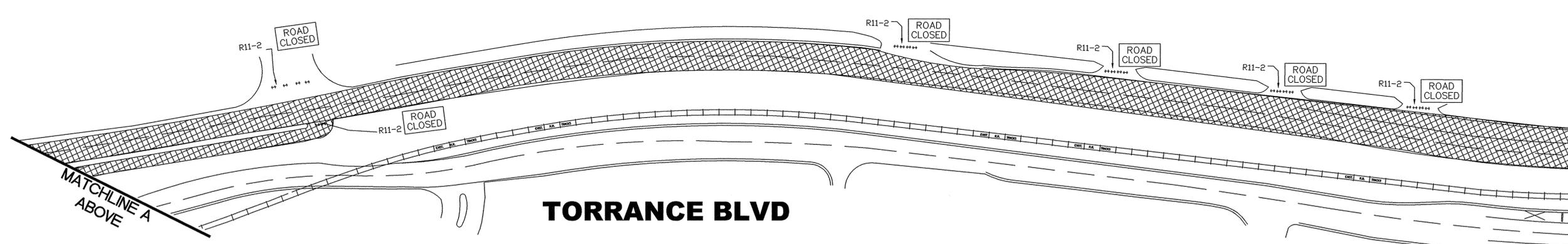
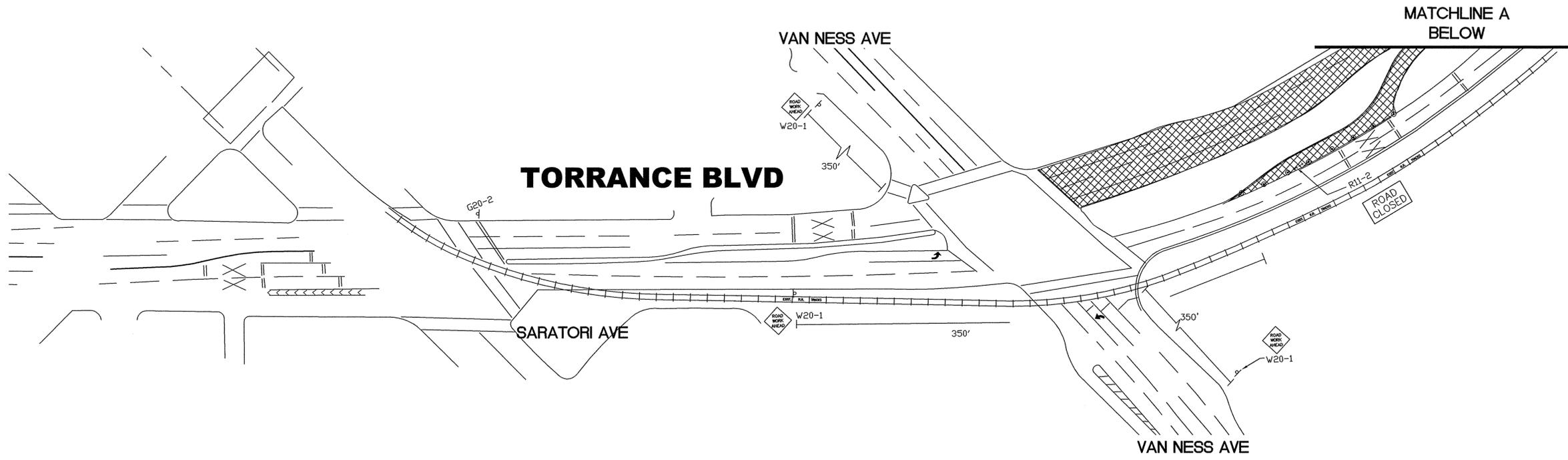
CITY OF TORRANCE PUBLIC WORKS DEPARTMENT	
DRAWN: L REIS	APPROVED: <i>Beth Overstreet</i> 2/4/11
DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET DATE CITY ENGINEER R.C.E. NO. 63944 EXP. 09/30/12
PROJECT ENGINEER: <i>LA</i> LAUREN SABLAN	SCALE: AS SHOWN SHEET 10 OF 15
PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	PLAN NO. ST-1043

DIAL TOLL FREE
1-800-227-2600

AT LEAST TWO DAYS
BEFORE YOU DIG

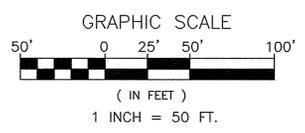
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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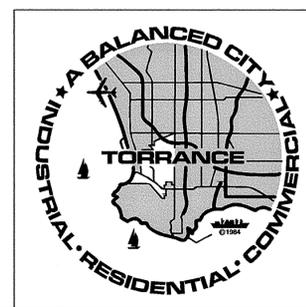
NOTE: INSTALL ALL APPLICABLE DETOUR SIGNS FOR WESTBOUND TRAFFIC AS SHOWN ON SHEET "WORK AREA TRAFFIC CONTROL PLAN - TORRANCE BLVD, DETOUR ROUTE" IN CONJUNCTION WITH THIS PLAN.

SEE MATCHLINE PAGE

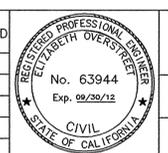


LEGEND	
+	TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN.
#	TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN. SIGN (AS NOTED ON PLAN)
⊙	REFLECTORIZED DRUM
•	39" DELINEATOR OR 28" CONE WITH REFLECTIVE BAND
⇄	DIRECTION OF TRAVEL
⊠	FLASHING ARROW BOARD (FAS) SIGN
∧	FLAGTREE AND SIGN
△	ANGLE POINT
12'	CONSTRUCTION LANE DIMENSION
12'	EXISTING LANE DIMENSIONS
	WORK AREA
CMS	CHANGEABLE MESSAGE SIGN

TRAFFIC CONTROL - N/S TORRANCE BLVD- SLURRY: VAN NESS AVE TO WESTERN AVE.



REV.	DATE	DESCRIPTION	BY	CHECKED



CITY OF TORRANCE PUBLIC WORKS DEPARTMENT	
DRAWN: L REIS	APPROVED: <i>Beth F. Overstreet</i> 2/4/11
DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944
PROJECT ENGINEER: <i>LAUREN SABLAN</i>	DATE: 09/30/12
PROJECT MANAGER: <i>Beth Overstreet</i>	SCALE: AS SHOWN SHEET 11 OF 14
	PLAN NO. ST-1043

DIAL TOLL FREE
1-800-227-2600

AT LEAST TWO DAYS
BEFORE YOU DIG

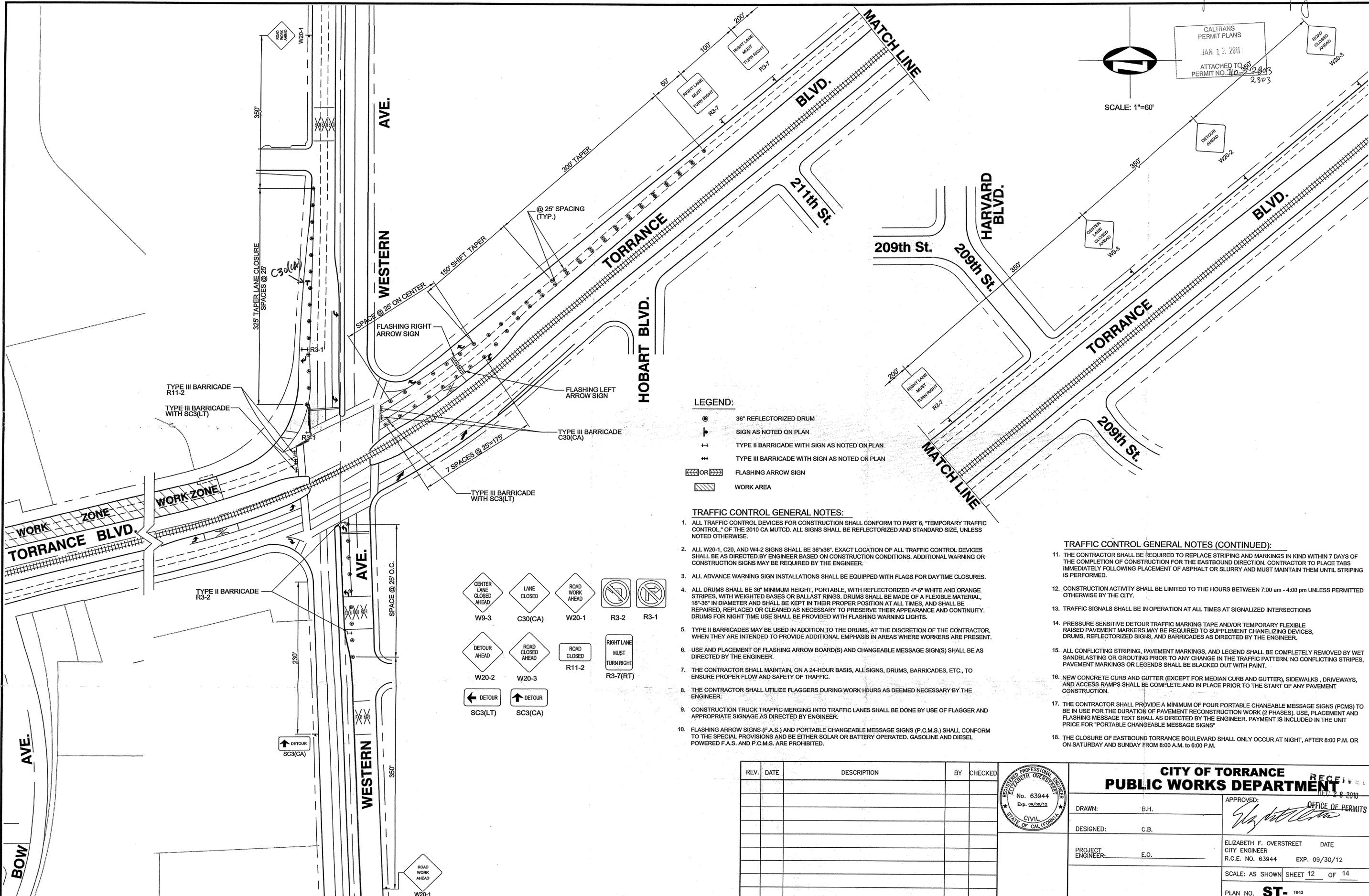
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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Permittee's Copy

CALTRANS PERMIT PLANS
 JAN 12 2011
 ATTACHED TO PERMIT NO. 110-372803
 2303

SCALE: 1"=60'



LEGEND:

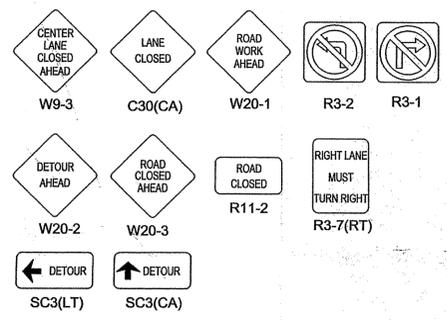
- 36" REFLECTORIZED DRUM
- ⊥ SIGN AS NOTED ON PLAN
- ⊢ TYPE II BARRICADE WITH SIGN AS NOTED ON PLAN
- ⊣ TYPE III BARRICADE WITH SIGN AS NOTED ON PLAN
- ⚡ FLASHING ARROW SIGN
- ▨ WORK AREA

TRAFFIC CONTROL GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES FOR CONSTRUCTION SHALL CONFORM TO PART 6, "TEMPORARY TRAFFIC CONTROL," OF THE 2010 CA MUTCD. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE, UNLESS NOTED OTHERWISE.
2. ALL W20-1, C20, AND W4-2 SIGNS SHALL BE 36"x36". EXACT LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE AS DIRECTED BY ENGINEER BASED ON CONSTRUCTION CONDITIONS. ADDITIONAL WARNING OR CONSTRUCTION SIGNS MAY BE REQUIRED BY THE ENGINEER.
3. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES.
4. ALL DRUMS SHALL BE 36" MINIMUM HEIGHT, PORTABLE, WITH REFLECTORIZED 4"-6" WHITE AND ORANGE STRIPES, WITH WEIGHTED BASES OR BALLAST RINGS. DRUMS SHALL BE MADE OF A FLEXIBLE MATERIAL, 18"-36" IN DIAMETER AND SHALL BE KEPT IN THEIR PROPER POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY. DRUMS FOR NIGHT TIME USE SHALL BE PROVIDED WITH FLASHING WARNING LIGHTS.
5. TYPE II BARRICADES MAY BE USED IN ADDITION TO THE DRUMS, AT THE DISCRETION OF THE CONTRACTOR, WHEN THEY ARE INTENDED TO PROVIDE ADDITIONAL EMPHASIS IN AREAS WHERE WORKERS ARE PRESENT.
6. USE AND PLACEMENT OF FLASHING ARROW BOARD(S) AND CHANGEABLE MESSAGE SIGN(S) SHALL BE AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL MAINTAIN, ON A 24-HOUR BASIS, ALL SIGNS, DRUMS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC.
8. THE CONTRACTOR SHALL UTILIZE FLAGGERS DURING WORK HOURS AS DEEMED NECESSARY BY THE ENGINEER.
9. CONSTRUCTION TRUCK TRAFFIC MERGING INTO TRAFFIC LANES SHALL BE DONE BY USE OF FLAGGER AND APPROPRIATE SIGNAGE AS DIRECTED BY ENGINEER.
10. FLASHING ARROW SIGNS (F.A.S.) AND PORTABLE CHANGEABLE MESSAGE SIGNS (P.C.M.S.) SHALL CONFORM TO THE SPECIAL PROVISIONS AND BE EITHER SOLAR OR BATTERY OPERATED. GASOLINE AND DIESEL POWERED F.A.S. AND P.C.M.S. ARE PROHIBITED.

TRAFFIC CONTROL GENERAL NOTES (CONTINUED):

11. THE CONTRACTOR SHALL BE REQUIRED TO REPLACE STRIPING AND MARKINGS IN KIND WITHIN 7 DAYS OF THE COMPLETION OF CONSTRUCTION FOR THE EASTBOUND DIRECTION. CONTRACTOR TO PLACE TABS IMMEDIATELY FOLLOWING PLACEMENT OF ASPHALT OR SLURRY AND MUST MAINTAIN THEM UNTIL STRIPING IS PERFORMED.
12. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE HOURS BETWEEN 7:00 am - 4:00 pm UNLESS PERMITTED OTHERWISE BY THE CITY.
13. TRAFFIC SIGNALS SHALL BE IN OPERATION AT ALL TIMES AT SIGNALIZED INTERSECTIONS
14. PRESSURE SENSITIVE DETOUR TRAFFIC MARKING TAPE AND/OR TEMPORARY FLEXIBLE RAISED PAVEMENT MARKERS MAY BE REQUIRED TO SUPPLEMENT CHANNELIZING DEVICES, DRUMS, REFLECTORIZED SIGNS, AND BARRICADES AS DIRECTED BY THE ENGINEER.
15. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, AND LEGEND SHALL BE COMPLETELY REMOVED BY WET SANDBLASTING OR GROUTING PRIOR TO ANY CHANGE IN THE TRAFFIC PATTERN. NO CONFLICTING STRIPES, PAVEMENT MARKINGS OR LEGENDS SHALL BE BLACKED OUT WITH PAINT.
16. NEW CONCRETE CURB AND GUTTER (EXCEPT FOR MEDIAN CURB AND GUTTER), SIDEWALKS, DRIVEWAYS, AND ACCESS RAMPS SHALL BE COMPLETE AND IN PLACE PRIOR TO THE START OF ANY PAVEMENT CONSTRUCTION.
17. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FOUR PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TO BE IN USE FOR THE DURATION OF PAVEMENT RECONSTRUCTION WORK (2 PHASES). USE, PLACEMENT AND FLASHING MESSAGE TEXT SHALL AS DIRECTED BY THE ENGINEER. PAYMENT IS INCLUDED IN THE UNIT PRICE FOR "PORTABLE CHANGEABLE MESSAGE SIGNS"
18. THE CLOSURE OF EASTBOUND TORRANCE BOULEVARD SHALL ONLY OCCUR AT NIGHT, AFTER 8:00 P.M. OR ON SATURDAY AND SUNDAY FROM 8:00 A.M. TO 6:00 P.M.



REV.	DATE	DESCRIPTION	BY	CHECKED

REGISTERED PROFESSIONAL ENGINEER
 ELIZABETH F. OVERSTREET
 No. 63944
 Exp. 09/30/12
 CIVIL
 STATE OF CALIFORNIA

CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

RECEIVED
 JAN 28 2011
 OFFICE OF PERMITS

APPROVED: *Elizabeth Overstreet*

ELIZABETH F. OVERSTREET DATE
 CITY ENGINEER
 R.C.E. No. 63944 EXP. 09/30/12

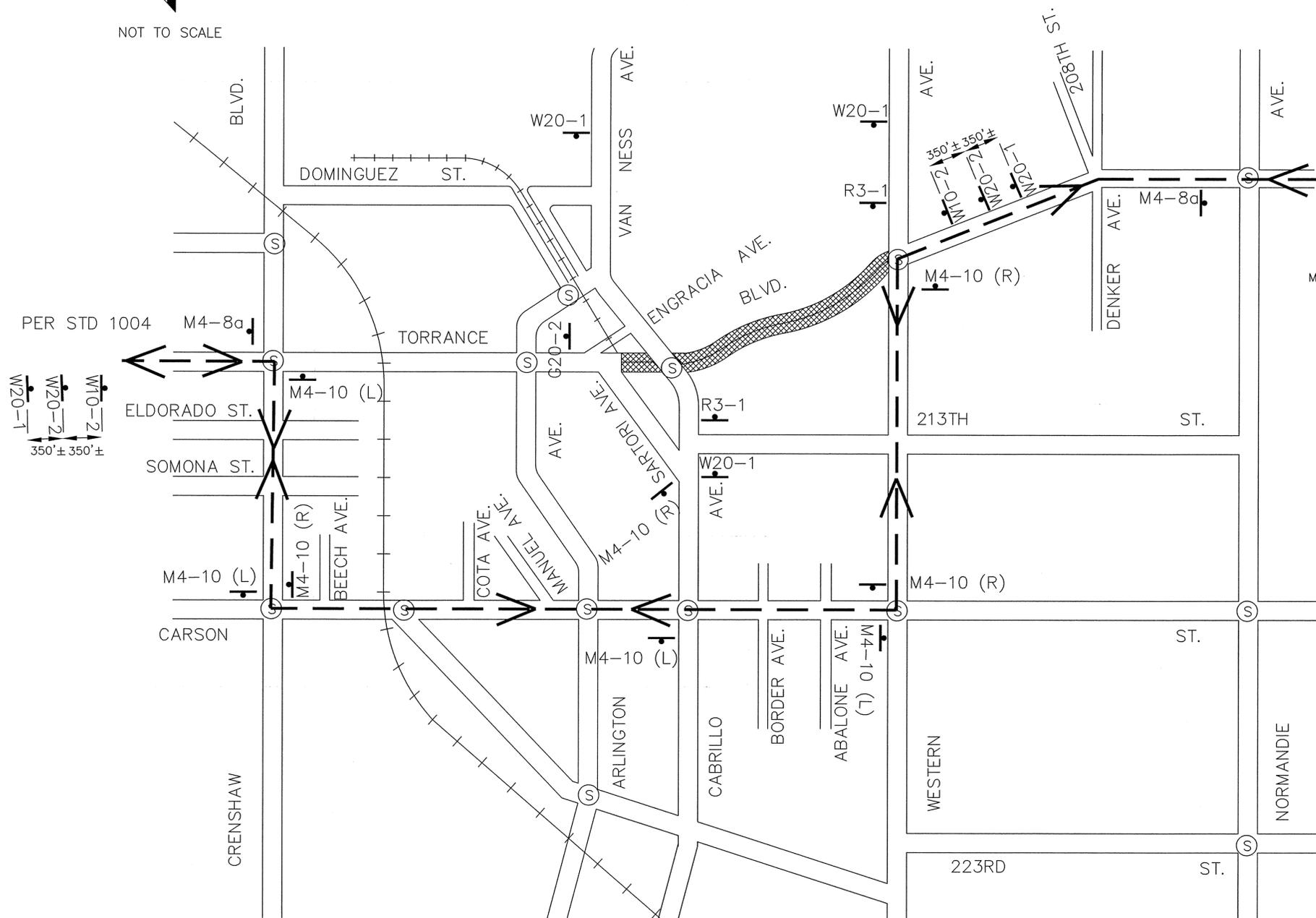
SCALE: AS SHOWN SHEET 12 OF 14

PLAN NO. **ST-1043**

DRAWN: B.H.
 DESIGNED: C.B.
 PROJECT ENGINEER: E.O.

ALTERNATE ROUTE

NOT TO SCALE

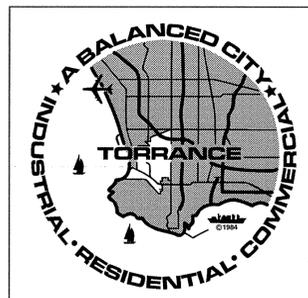


SIGNS:

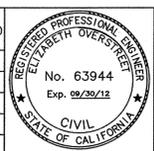
- W20-2 : DETOUR AHEAD (48"x48")
- R11-2 : ROAD CLOSED
- C3A : ROAD CLOSED TO THRU TRAFFIC (48"x24")
- M4-10 (RT/LT) : DETOUR ARROW (LEFT/RIGHT/VERTICAL) (48"x18")
- M4-8a : END DETOUR (48"x48")
- G20-2 : END ROAD WORK
- C17 : ROAD WORK 25 MPH SPEED LIMIT (24"x24")
- W20-1 : ROAD WORK AHEAD (48"x48")
- R11-2 : ROAD CLOSED
- R1-1 : STOP SIGN (30"x30")
- R4-7a : KEEP RIGHT
- R11 : DO NOT ENTER
- R3-1 : NO RIGHT TURN (24"x24")
- R3-2 : NO LEFT TURN (24"x24")

1. CONTRACTOR SHALL COVER OR REMOVE ANY EXISTING SIGNS OR TRAFFIC MARKINGS WHICH CONFLICT WITH THE DETOUR PLAN. CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY RESTORE ANY SUCH SIGNS OR MARKINGS UPON REMOVAL OF THE DETOUR.
2. ALL C5 SIGNS (DETOUR ARROW) SHALL BE PLACED ON LIGHT POSTS OR SIGNAL POSTS OR ON A 4"x4" POST.
3. THIS PLAN SHOWS DETOUR ROUTE FOR BOTH EASTBOUND AND WESTBOUND DIRECTIONS. ONLY THE DETOUR ROUTE APPLICABLE AT THE TIME OF CONSTRUCTION SHALL BE MAINTAINED. ALL SIGNS AND DELINEATORS SHALL BE REMOVED IMMEDIATELY UPON RE-OPENING OF THE ROADWAY.

WORK AREA TRAFFIC CONTROL PLAN- TORRANCE BLVD. DETOUR ROUTE



REV.	DATE	DESCRIPTION	BY	CHECKED



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DESIGNED: LAUREN SABLAN	BETH F. OVERSTREET CITY ENGINEER R.C.E. NO. 63944
PROJECT ENGINEER: <i>LS</i> LAUREN SABLAN	DATE: 09/30/12
PROJECT MANAGER: <i>Beth Overstreet</i> BETH OVERSTREET	SCALE: AS SHOWN SHEET 13 OF 14
PLAN NO. ST-1043	

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