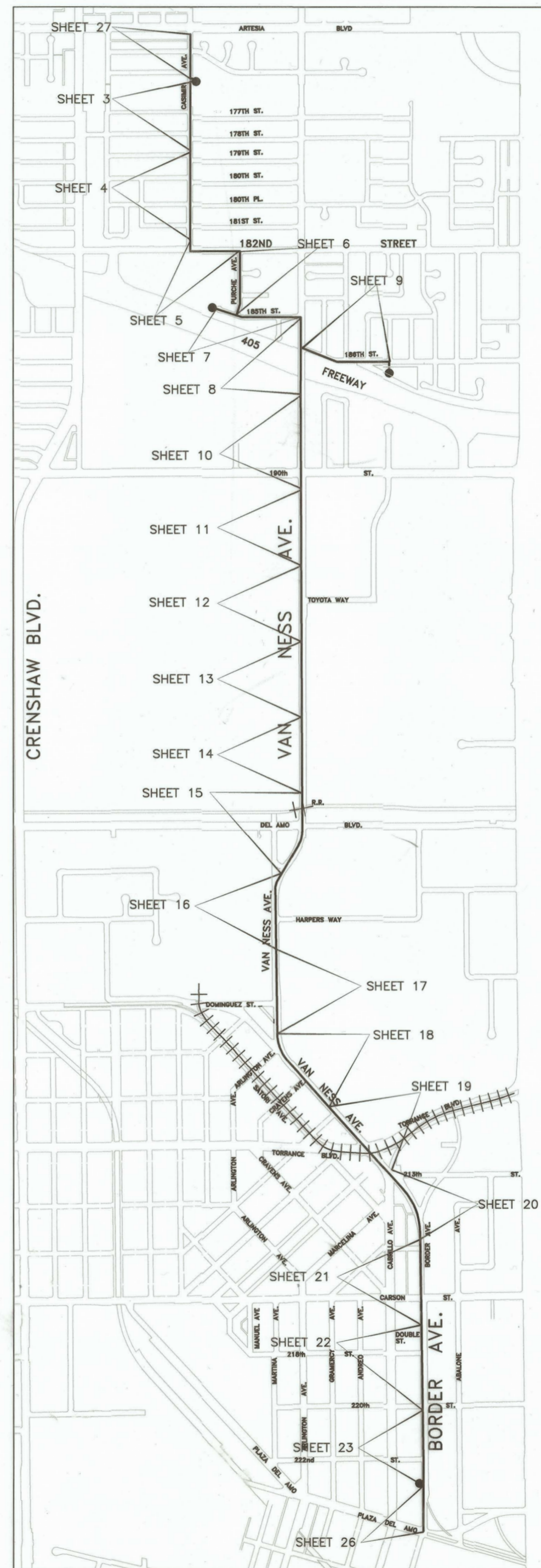


CITY OF TORRANCE CONSTRUCTION PLANS FOR VAN NESS WATER WELLS TRANSMISSION MAIN

I-145

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION AND SUPPLEMENTS THERETO, AS WRITTEN AND PROMULGATED BY PUBLIC WORKS STANDARDS, INC., HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE TORRANCE STANDARDS, THE AMERICAN WATER WORKS ASSOCIATION STANDARDS LATEST EDITION, AND TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, VERIFY DEPTH, AND PROTECT ALL STRUCTURES, INCLUDING SUBSTRUCTURES, SHOWN ON THE PLAN. THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF REPAIRING OR REPLACING ANY OF THE SAID STRUCTURES DAMAGED BY HIM/HER DURING PROSECUTION OF THE WORK. ALL REPAIRS AND REPLACEMENTS SHALL BE DONE IN THE PRESENCE OF THE INSPECTOR. ALL LOCATIONS SHOWN ON THE PLAN FOR UTILITY LINES HAVE BEEN TAKEN FROM AVAILABLE RECORDS AND THEIR COMPLETENESS AND CORRECTNESS ARE IN NO WAY GUARANTEED.
3. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 AND ALL PUBLIC UTILITY COMPANIES AND OWNERS OF PRIVATE FACILITIES WITHIN THE AREA OF CONSTRUCTION AT LEAST 2 WORKING DAYS IN ADVANCE OF PERFORMING ANY WORK WITHIN SAID AREA.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE COMMUNITY DEVELOPMENT DEPARTMENT AND CALTRANS BEFORE COMMENCING WORK. TRAFFIC CONTROL WITHIN PUBLIC STREET RIGHT OF WAYS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION. THE CONTRACTOR SHALL PROVIDE A 24-HOUR TELEPHONE NUMBER FOR EMERGENCY REPAIRS TO TRAFFIC CONTROL AND PAVEMENT MARKINGS.
5. CAUTION: REVIEW CONSTRUCTION SITE AND APPROVED PLAN. IF CONSTRUCTION REQUIRES WORKERS AND/OR EQUIPMENT TO BE WITHIN 6 FEET OR CRANES OR HOISTING DEVICES TO BE WITHIN 10 FEET OF OVERHEAD ELECTRIC LINES, CALL SOUTHERN CALIFORNIA EDISON AT 310-783-9335.
6. PRIOR TO COMMENCEMENT OF WORK, ALL SURVEY MONUMENTS IN THE PROJECT AREA SHALL BE LOCATED AND TIED OUT. ALL CENTERLINE MONUMENTS OR TIES LOST OR DESTROYED BY THIS WORK SHALL BE REPLACED EITHER BY A LICENSED SURVEYOR OR A CIVIL ENGINEER REGISTERED PRIOR TO JANUARY 1, 1982 AND NEW TIE SHEETS PROVIDED. METHOD OF ESTABLISHMENT SHALL BE STATED ON THE TIE SHEET.
7. GRADE SHEETS PREPARED AND STAMPED BY A LICENSED ENGINEER OR SURVEYOR SHALL BE DELIVERED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK.
8. THE CONTRACTOR SHALL NOTIFY THE CITY STREETSCAPE DIVISION OF THE PUBLIC WORKS DEPARTMENT AT 310-781-6900 PRIOR TO TRIMMING, REMOVING OR RELOCATING ANY EXISTING TREES.
9. UNLESS OTHERWISE SHOWN, ALL TRAFFIC SIGNS SHALL BE RELOCATED OR REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC AND LIGHTING DIVISION OF THE PUBLIC WORKS DEPARTMENT AT 310-781-6900 AT LEAST 2 WORKING DAYS IN ADVANCE TO ARRANGE THE WORK.
10. NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTE WATER DISCHARGE HAS BEEN ISSUED BY THE COUNTY SANITATION DISTRICTS FOR SAID CONNECTION.
11. TRENCHES CUT INTO AN EXISTING ROADWAY WITHIN THE PUBLIC RIGHT OF WAYS SHALL BE BACKFILLED AND PAVED AS PER TORRANCE STANDARD T116.
12. TRENCH RESURFACING SHALL BE OF THE SAME TYPE AS THE EXISTING PAVEMENT, EXCEPT IF EXISTING PAVEMENT IS A.C. OVER P.C.C., RESURFACING SHALL BE FULL-DEPTH A.C.
13. THE CONTRACTOR SHALL MAKE AVAILABLE FOR THE INSPECTOR'S REVIEW, ON A DAILY BASIS, AS-BUILT DRAWINGS FOR WORK PERFORMED UP TO AND INCLUDING THE PREVIOUS DAY'S ACTIVITIES. WORK SHALL NOT BE CONSIDERED COMPLETE UNTIL AS-BUILT DRAWINGS ARE SUBMITTED TO AND ACCEPTED BY THE ENGINEERING DIVISION OF THE PUBLIC WORKS DEPARTMENT OR PUBLIC WORKS DIRECTOR.
14. ALL CONCRETE SIDEWALKS OR CURBS AND GUTTERS TO BE REPLACED SHALL BE SAWCUT TO THE NEAREST TRANSVERSE SCORE MARK OR ADJUSTABLE CONTROL JOINT OR WEAKENED PLANE JOINT AND REPLACED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE AGENCY HAVING JURISDICTION OVER THE AREA. ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR AND FINISH ALL ADJOINING CURBS AND WALKS.
15. DURING NON-CONSTRUCTION HOURS, ALL EXCAVATIONS MUST BE PLATED OR BACKFILLED EXCEPT BORE PITS WHICH SHALL BE SECURED WITH K-RAIL AND 6 FEET HIGH CHAIN LINK FENCE PANELS SECURED IN PLACE TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR. PLATES SHALL BE TACK WELDED, PINNED AND/OR SECURED IN PLACE BY ANOTHER METHOD APPROVED BY THE INSPECTOR.
16. GAS, SEWER, AND WATER SERVICES ARE SHOWN WHERE PLANS WERE AVAILABLE. HOWEVER, THE PLANS DO NOT NECESSARILY REFLECT ALL OF THE GAS, SEWER, AND WATER SERVICES. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL GAS, SEWER, WATER, AND UTILITY SERVICE LOCATIONS BY POTHOLE OR RADAR AND PROTECT IN PLACE.
17. THE CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A NEAT, SAFE, CLEAN, AND SANITARY CONDITION AT ALL TIMES, AND TO THE SATISFACTION OF THE CITY. STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND NUISANCE BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION. CONTRACTOR TO CLEAN STREET WITH SWEEPER PRIOR TO THE END OF EACH WORK DAY AS A MINIMUM.
18. TRAFFIC SIGNAL CONDUITS AND LOOPS ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL TRAFFIC SIGNAL LOOPS AND CONDUITS AND PROTECT IN PLACE OR REPLACE PER JURISDICTIONAL AGENCY REQUIREMENTS.
19. SURPLUS AND MATERIAL REMOVED WHICH IS NOT SUITABLE FOR THE USE IN THIS PROJECT OR CLAIMED BY THE CITY IN THE SPECIFICATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO ALL CONTROLLING AGENCIES.
20. ALL APPROACHES TO PRIVATE DRIVEWAYS, DRIVEWAYS AND INTERSECTING STREETS SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL INFORM ALL PROPERTY OWNERS OR BUSINESSES A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY CONSTRUCTION WHICH WILL IMPEDE THE NORMAL ACCESS TO THEIR DRIVEWAYS.
21. DISRUPTED OR DAMAGED STREET LIGHTING SYSTEMS SHALL BE REPAIRED OR REPLACED TO CITY STANDARDS. DAMAGED STREET LIGHT CONDUIT OR CABLE SHALL BE REPLACED FROM POLE TO POLE.
22. EXISTING UNDERGROUND UTILITIES ARE SHOWN PER AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO VERIFY AND DOCUMENT ON AS-BUILT DRAWINGS, THE ACTUAL LOCATION AND ELEVATIONS IN THE FIELD OF ALL UTILITIES (SHOWN AND NOT SHOWN ON THESE PLANS) AND ALL POINT OF CONNECTIONS. THE FIELD VERIFICATION (POTHOLING) SHALL BE COMPLETED AT LEAST 1,300 FEET OR THREE WEEKS WHICHEVER IS GREATER, IN ADVANCE OF CROSSING THE UTILITY WITH THE NEW PIPELINE. IN ADDITION, THE CONTRACTOR SHALL EXPOSE ALL UTILITIES AND SERVICES, INCLUDING THOSE PREVIOUSLY POTHOLED, AT LEAST 300 LINEAR FEET IN ADVANCE OF THE ACTUAL PIPE EXCAVATION OPERATIONS.
23. THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS WHICH DURING HIS/HER OPERATIONS HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS HAS BEEN REDUCED.
24. THE CONTRACTOR SHALL DISINFECT WATER LINES UNDER THE DIRECTION OF THE CITY'S WATER QUALITY INSPECTOR. THE TORRANCE MUNICIPAL WATER DEPARTMENT SHALL COLLECT WATER SAMPLES FOR ANALYSIS SUBSEQUENT TO DISINFECTING OF THE PIPELINE BY THE CONTRACTOR.
25. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 2 WORKING DAYS IN ADVANCE OF A PROPOSED WATER MAIN OR SERVICE LINE SHUT DOWN. THE CONTRACTOR SHALL NOTIFY THE CUSTOMERS AFFECTED BY THE PROPOSED SHUT DOWN AT LEAST 24-HOURS IN ADVANCE. CUSTOMER NOTIFICATION SHALL CONSIST OF A DOOR HANGER SPECIFYING THE DATE(S) AND TIME(S) OF THE PROPOSED SHUT DOWN. NOTICE SHALL CONTAIN THE CONTRACTORS NAME AND TELEPHONE NUMBER. NOTICE SHALL BE APPROVED BY THE INSPECTOR PRIOR TO DISTRIBUTION.
26. OPERATION OF VALVES ON ALL PUBLIC WATER LINES AND THE FIRST NEW VALVE DOWNSTREAM OF A PUBLIC WATER MAIN SHALL BE PERFORMED BY THE TORRANCE MUNICIPAL WATER DEPARTMENT UNLESS OTHERWISE SHOWN.
27. ALL WATER LINES SHALL HAVE 42" COVER FROM PROPOSED FINISHED GRADE UNLESS OTHERWISE SHOWN ON THE PLAN.
28. FOR PARALLEL CONSTRUCTION, ALL WATER LINES SHALL BE INSTALLED WITH A TWO FOOT (MIN.) CLEARANCE FROM EXISTING UTILITY LINES (GAS, TELEPHONE, CABLE, POWER, ETC.). A MINIMUM OF 12" CLEARANCE SHALL BE PROVIDED WHEN CROSSING UTILITY LINES.
29. NO PVC PIPE SHALL BE INSTALLED UPSTREAM OF THE INLET SIDE OF METERS OR DETECTOR CHECK VALVES.
30. PIPE BEDDING SHALL CONFORM TO TORRANCE STANDARD DRAWING T701.
31. ALL FLANGE NUTS, BOLTS, AND WASHER SHALL BE 316 S.S. UNLESS OTHERWISE SHOWN.
32. ALL BURIED PIPE, VALVES, FITTINGS, ETC. SHALL BE WRAPPED IN 8 MIL. POLYETHYLENE.



VICINITY MAP
NTS

UTILITY CONTACTS

COMPANY	CONTACT	PHONE NO.	SPECIAL INSTRUCTIONS
AIR PRODUCTS & CHEMICALS, INC	JIM GLICK	(310) 952-9152	
CWSC - DOMINGUEZ HILLS	DAN TREJO	(310) 257-1400	
CWSC - WEST BASIN	DAVID DELSIGNE	(310) 679-2575	
CHEVRON PIPELINE	AL SUPER	(310) 669-4014	
CITY OF TORRANCE	ALAN BERNDT-ANDREW J. DARLAK	(310) 618-2916 (310) 618 6219	
EXXON-MOBIL TORRANCE PIPELINE COMPANY	ADRIANA R. SIMON TERI SHINDE	(310) 212-1842 (310) 212 1794	NOTIFY 48 HOURS PRIOR TO CONSTRUCTION
KINDERMORGAN ENERGY PARTNERS	JORDAN NEUNER	(310) 628-7350	NOTIFY 2 WEEKS PRIOR TO CONSTRUCTION
LEVEL 3 COMMUNICATIONS	NICKEY WORTHINGTON	(720) 888-0336	
LA COUNTY SANITATION DISTRICTS	CARSON FIELD OFFICE	(310) 830-8050	
VERIZON	CHUCK CZUMAK	(941) 906-6703	
METROPOLITAN WATER DISTRICT	KEVIN JOHANSEN	(562) 713-0348	NOTIFY 48 HOURS PRIOR TO CONSTRUCTION
PLAINS ALL AMERICAN PIPELINE	GEORGE GOOCH	(562) 728-2325	NOTIFY 48 HOURS PRIOR TO CONSTRUCTION
SHELL PIPELINE	CASEY HALSTEAD	(310) 466-8634	NOTIFY 48 HOURS PRIOR TO CONSTRUCTION
SOUTHERN CALIFORNIA EDISON	KIM GURULE	(626) 302-1212	
SOUTHERN CALIFORNIA GAS CO.	ZAKEE SINGLETON	(310) 605-7931	
TIME WARNER CABLE	CARY HANSON	(424) 212-6961	
CALTRANS	MELVIN MENDOZA	(213) 897-3631	NOTIFY PER ENCROACHMENT PERMIT

SHEET INDEX

SHEET NO.	DESCRIPTION
1	G-1 TITLE SHEET, GENERAL NOTES, VICINITY MAP, SHEET INDEX
2	G-2 CONSTRUCTION NOTES AND LEGEND
3	C-1 STA. 201+00.00 TO 210+00.00 CASIMIR AVE. WATER TRANSMISSION MAIN
4	C-2 STA. 210+00.00 TO 220+00.00 CASIMIR AVE. WATER TRANSMISSION MAIN
5	C-3 STA. 227+00.00 TO 227+10.00 CASIMIR AVE. & 182ND ST. WATER TRANSMISSION MAIN
6	C-4 STA. 227+10.00 TO 235+08.82 182ND ST. & PURCHE AVE. WATER TRANSMISSION MAIN
7	C-5 STA. 9+68.33 TO 20+00.00 185TH ST. & VAN NESS AVE. WATER TRANSMISSION MAIN
8	C-6 STA. 20+00.00 TO 30+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
9	C-7 STA. 10+00.00 TO 17+39.42 186TH ST. WATER TRANSMISSION MAIN
10	C-8 STA. 30+00.00 TO 40+00.00 VAN NESS AVE. & 190TH ST. WATER TRANSMISSION MAIN
11	C-9 STA. 40+00.00 TO 50+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
12	C-10 STA. 50+00.00 TO 60+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
13	C-11 STA. 60+00.00 TO 68+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
14	C-12 STA. 68+00.00 TO 76+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
15	C-13 STA. 76+00.00 TO 86+00.00 VAN NESS AVE. & DEL AMO BLVD. WATER TRANSMISSION MAIN
16	C-14 STA. 86+00.00 TO 96+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
17	C-15 STA. 96+00.00 TO 106+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
18	C-16 STA. 106+00.00 TO 116+00.00 VAN NESS AVE. WATER TRANSMISSION MAIN
19	C-17 STA. 116+00.00 TO 126+00.00 VAN NESS AVE. & TORRANCE BLVD. WATER TRANSMISSION MAIN
20	C-18 STA. 126+00.00 TO 136+00.00 BORDER AVE. & CABRILLO AVE. WATER TRANSMISSION MAIN
21	C-19 STA. 136+00.00 TO 146+00.00 BORDER AVE. WATER TRANSMISSION MAIN
22	C-20 STA. 146+00.00 TO 155+50.00 BORDER AVE. WATER TRANSMISSION MAIN
23	C-21 STA. 155+50.00 TO 165+66.73 BORDER AVE. WATER TRANSMISSION MAIN
24	C-22 BORDER AVENUE RESERVOIR CONNECTIONS
25	C-23 BORDER AVENUE RESERVOIR CONNECTIONS
26	SD-1 STA. 9+96.95 TO 15+75.27 BORDER AVE. STORM DRAIN CONNECTION
27	SD-2 STA. 23+88.00 TO 29+32.44 CASIMIR AVE. & DESCANSO PARK STORM DRAIN CONNECTION
28	D-1 DETAIL SHEET
29	D-2 DETAIL SHEET
30-65	TRAFFIC CONTROL PLANS

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

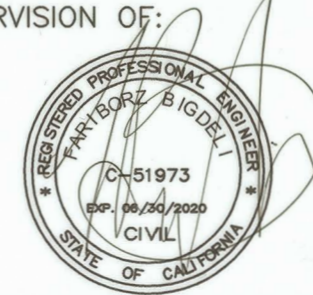


Know what's below.
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TWO WORKING DAYS BEFORE YOU DIG



QUANTUM QUALITY CONSULTING, INC.
2720 SEPULVEDA BLVD. SUITE 100
TORRANCE, CA 90505
PHONE: (310) 891-3994
FAX: (310) 891-3995

PREPARED UNDER THE SUPERVISION OF:



REVISIONS

DATE	BY	CHECKED	DESCRIPTION
11/16/2021	VJ	JD	CHANGED COMPANY NAME AND CONTACT

VAN NESS WATER WELLS TRANSMISSION MAIN, I-145

TITLE SHEET, GENERAL NOTES, VICINITY MAP, SHEET INDEX

DESIGNED BY: D. PREBLE

PROJECT ENGINEER: *[Signature]*

ENGINEERING MANAGER: *[Signature]*

JOHN C. DETTLE, P.E.

DRAWN BY: L. CANTARERO

[Signature]

[Signature]

DATE: 5/12/21

CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

APPROVED BY:

[Signature]

CRAIG BILEZERIAN, P.E.
CITY ENGINEER
R.C.E. NO. 55339

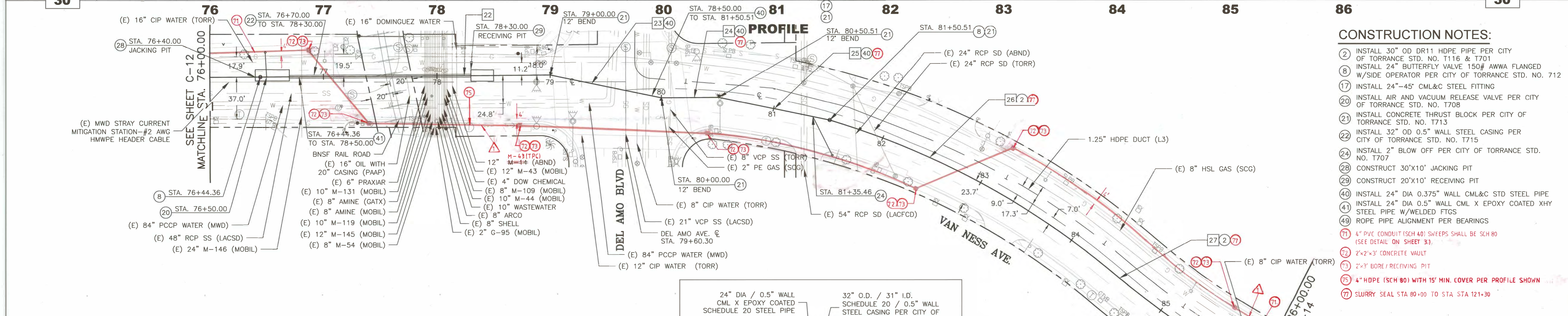
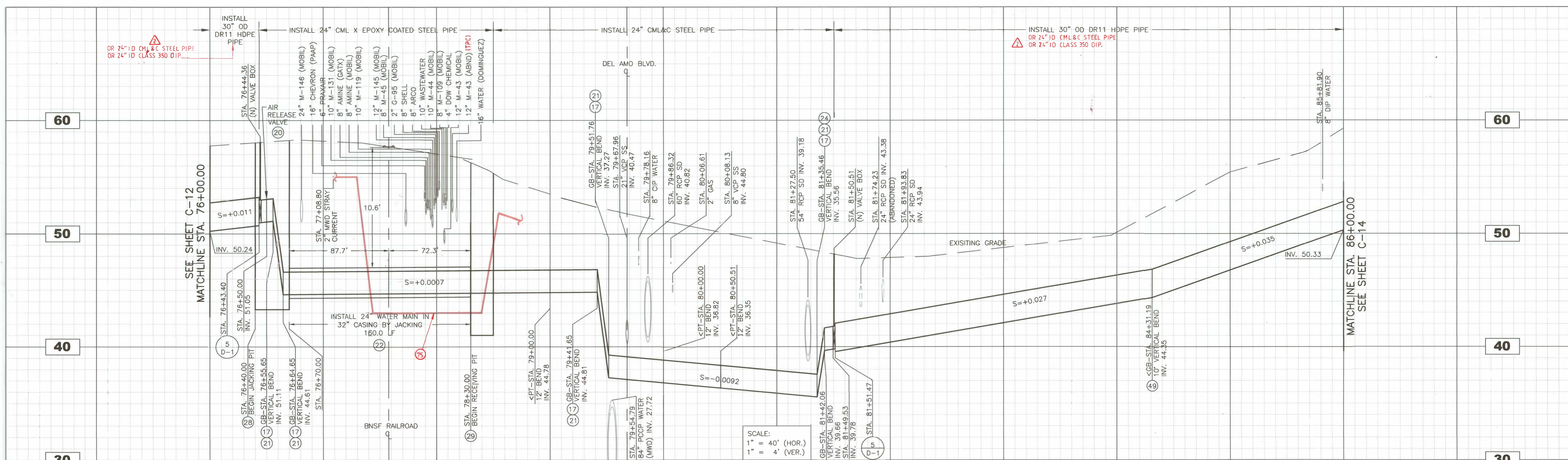
SHEET 1 OF 65

SCALE: VARIES SPECIFICATION NO.

SUPPLEMENTAL PLAN NO. G-1

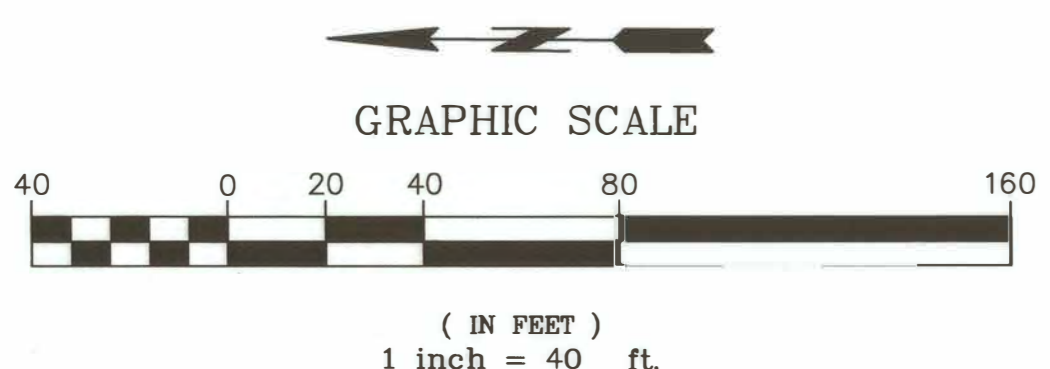
DRAWING NO. **WP-307**

WP-307
VAN NESS WATER WELLS
TRANSMISSION MAIN I-14



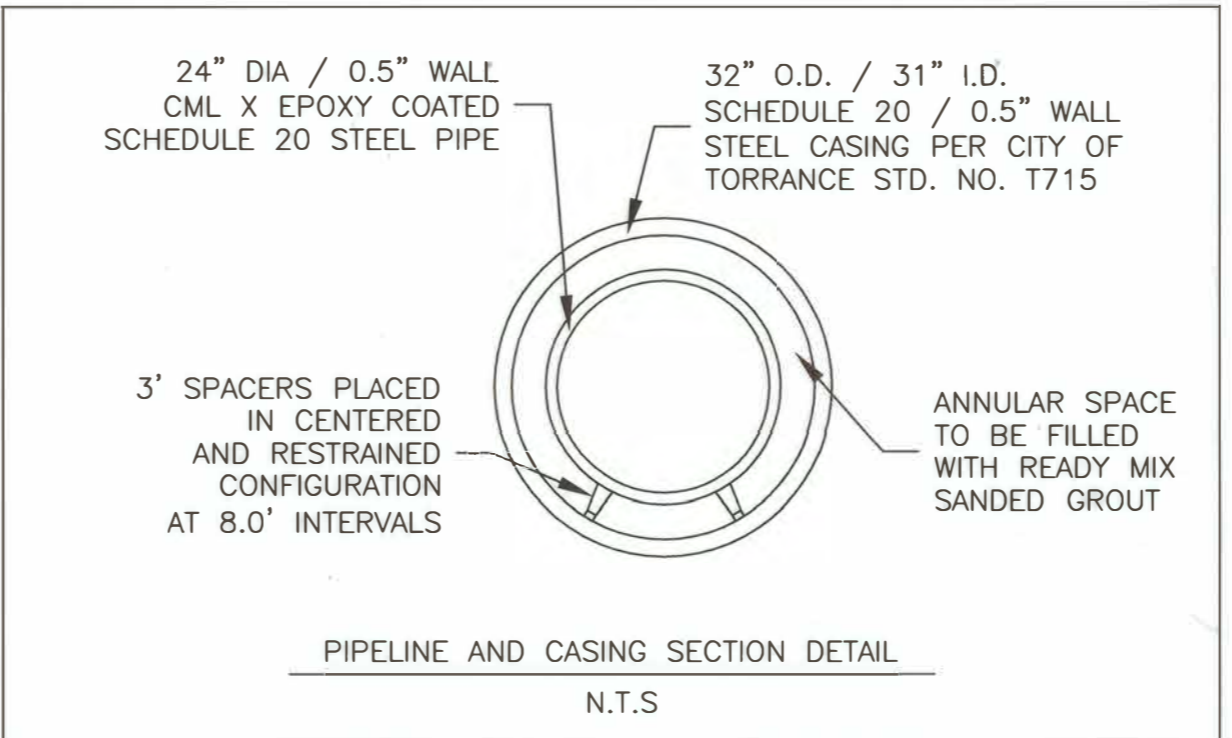
- CONSTRUCTION NOTES:**
- INSTALL 30" OD DR11 HDPE PIPE PER CITY OF TORRANCE STD. NO. T116 & T701
 - INSTALL 24" BUTTERFLY VALVE 150# AWWA FLANGED W/SIDE OPERATOR PER CITY OF TORRANCE STD. NO. 712
 - INSTALL 24"-45" CML&C STEEL FITTING
 - INSTALL AIR AND VACUUM RELEASE VALVE PER CITY OF TORRANCE STD. NO. T708
 - INSTALL CONCRETE THRUST BLOCK PER CITY OF TORRANCE STD. NO. T713
 - INSTALL 32" OD 0.5" WALL STEEL CASING PER CITY OF TORRANCE STD. NO. T715
 - INSTALL 2" BLOW OFF PER CITY OF TORRANCE STD. NO. T707
 - CONSTRUCT 30'X10' JACKING PIT
 - CONSTRUCT 20'X10' RECEIVING PIT
 - INSTALL 24" DIA 0.375" WALL CML&C STD STEEL PIPE
 - INSTALL 24" DIA 0.5" WALL CML X EPOXY COATED XHY STEEL PIPE W/WELDED FTGS
 - ROPE PIPE ALIGNMENT PER BEARINGS
 - 4" PVC CONDUIT (SCH 40) SWEEPS SHALL BE SCH 80 (SEE DETAIL ON SHEET 3).
 - 2'x2'x3' CONCRETE VAULT
 - 2'x3' BORE / RECEIVING PIT
 - 4" HDPE (SCH 80) WITH 15' MIN. COVER PER PROFILE SHOWN
 - SLURRY SEAL STA 80+00 TO STA STA 121+30

- NOTE:**
- BORE TO PLACE 4" FIBER OPTIC CONDUIT
 - FLANGE ISOLATING GASKET KITS REQUIRED IN BETWEEN STEEL PIPE/OIP.
 - EXISTING "MOBIL" LINES ARE NOW OWNED BY TORRANCE PIPELINE CO.
1. DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
2. CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.



LINE/CURVE DATA TABLE					
NO.	BEARING	LENGTH	BC STA.	EC STA.	RADIUS
22	S 00° 24' 51" E	600.00'	---	---	---
23	S 11° 35' 04" W	100.00'	---	---	---
24	S 00° 24' 51" E	50.51'	---	---	---
25	S 11° 35' 04" W	100.00'	---	---	---
26	---	292.95'	81+50.51	84+53.85	708.02'
27	---	205.25'	84+53.85	86+59.10	814.78'

(TOTAL DISTANCE)



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QUANTUM QUALITY CONSULTING, INC.
2720 SEPULVEDA BLVD. SUITE 100
TORRANCE, CA 90505
PHONE: (310) 891 - 3994
FAX: (310) 891 - 3995



REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
01/08/2020	VP	JD	ADDED 4" PVC CONDUIT FOR FIBEROPTIC CABLE AND NOTES	
09/01/2021	VP	JD	CHANGED PIPE SIZE AND MATERIAL, ADDED NOTE	

VAN NESS WATER WELLS TRANSMISSION MAIN, I-145
VAN NESS AVE. & DEL AMO BLVD. WATER TRANSMISSION MAIN
STA. 76+00.00 TO 86+00.00

DESIGNED BY: D. PREBLE
DRAWN BY: L. CANTARERO
PROJECT ENGINEER: [Signature]
ENGINEERING MANAGER: JOHN C. DETTLE, P.E. [Signature]

CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 5/12/21
CRAIG BILEZERIAN, P.E. CITY ENGINEER R.C.E. NO. 55339

SHEET 15 OF 65
SCALE: 1" = 40'
SPECIFICATION NO. C-13
DRAWING NO. **WP-307**

WP-307 34-65
 VAN NESS WATER WELLS
 TRANSMISSION MAIN I-145

TRAFFIC CONTROL LEGEND

- ⇄ TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
- ⇄⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
- △ TEMPORARY SIGN (AS NOTED ON PLAN)
- ⊙ EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
- 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
- 40" TRAFFIC BARRELS
- DIRECTION OF TRAVEL
- ⚡ FLASHING ARROW BOARD SIGN (FAS)
- 👤 FLAGGER
- PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

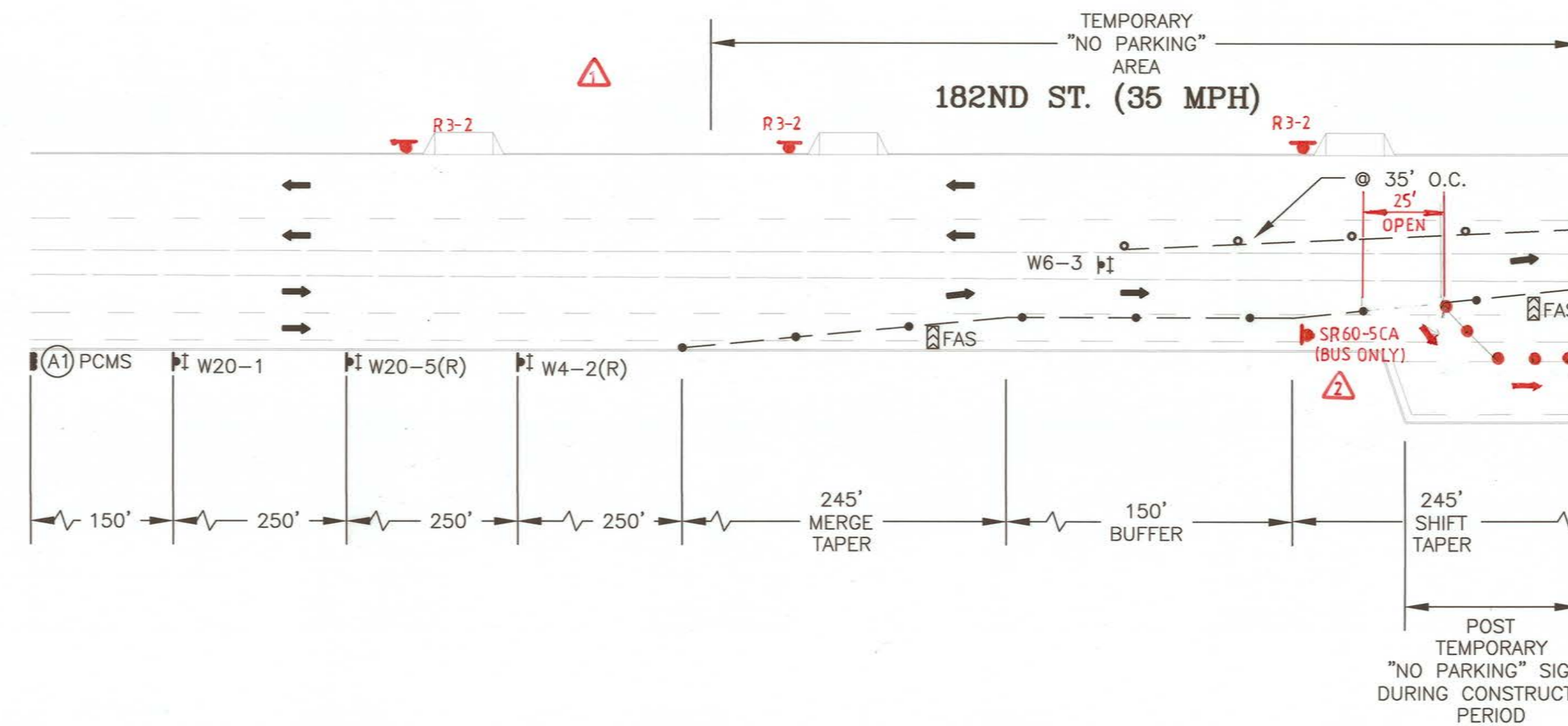
☒ WATER MAIN CONSTRUCTION WORK AREA

NOTES

1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
3. COVER EXISTING SIGNS DURING CONSTRUCTION.
4. PROVIDE ACCESS TO LOCAL TRAFFIC
5. PHASE 6 WORK HOURS 8:00AM TO 6:00PM, WEEKEND ONLY
6. TORRANCE ADULT SCHOOL HOURS 8:00AM TO 9:00PM, MONDAY-THURSDAY
8:00AM TO 4:30PM, FRIDAY
SUMMER HOURS 8:00AM-4:30PM, MONDAY-FRIDAY
7. PRO BARBER COLLEGE HOURS 9:00AM TO 7:00PM, MONDAY-FRIDAY
8. NORTH TORRANCE LITTLE LEAGUE GAMES ARE ON WEEKENDS. CONTACT PHONE NUMBER (310) 329-9126 FOR INFORMATION.
9. TRAFFIC CONTROL MAY REMAIN IN PLACE 8:00AM SATURDAY TO 6:00PM SUNDAY
10. WORK PHASE 6: PERMITTED JUNE 17 TO AUGUST 5 ± 2 ONLY

TRAFFIC CONTROL SIGNS:

C19(CA)	C27(CA)	C30(CA)	R3-1	R3-2
R3-5(R)	R11-2	W4-2(L)	W4-2(R)	W6-3
W8-24	W20-1	W20-5(L)	W20-5(R)	

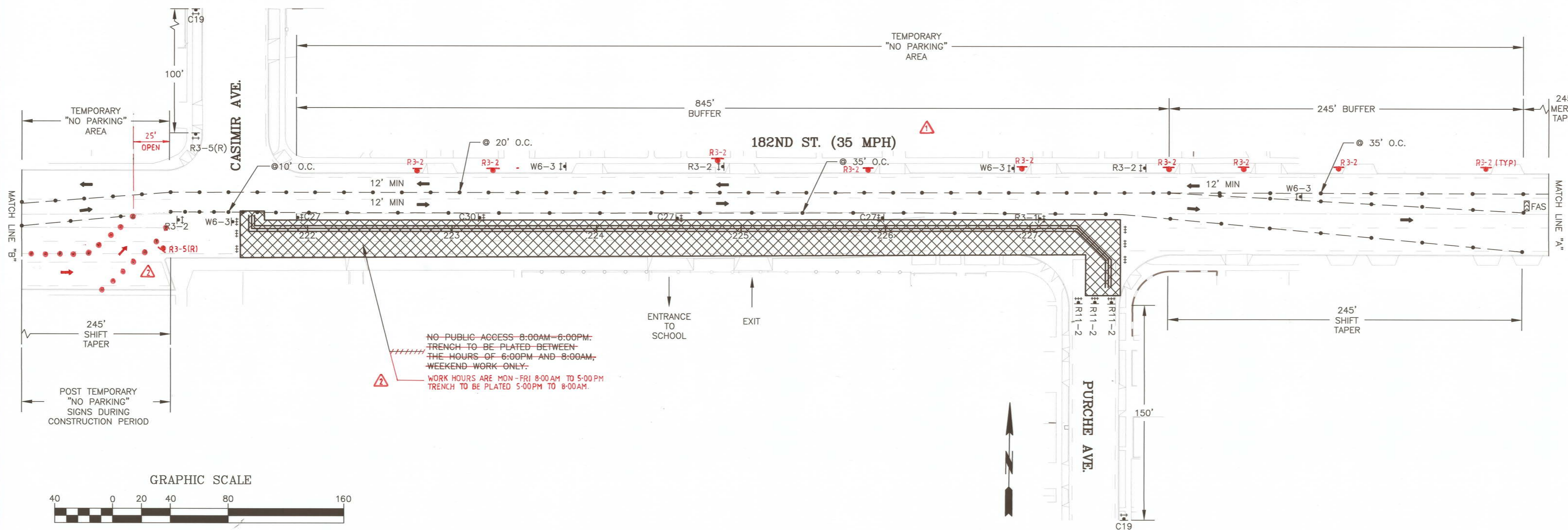


PORTABLE CHANGEABLE MESSAGE SIGN
 MODIFY TEXT DURING CONSTRUCTION
 EACH SCREEN MESSAGE TO DISPLAY FOR 2.0 SECONDS

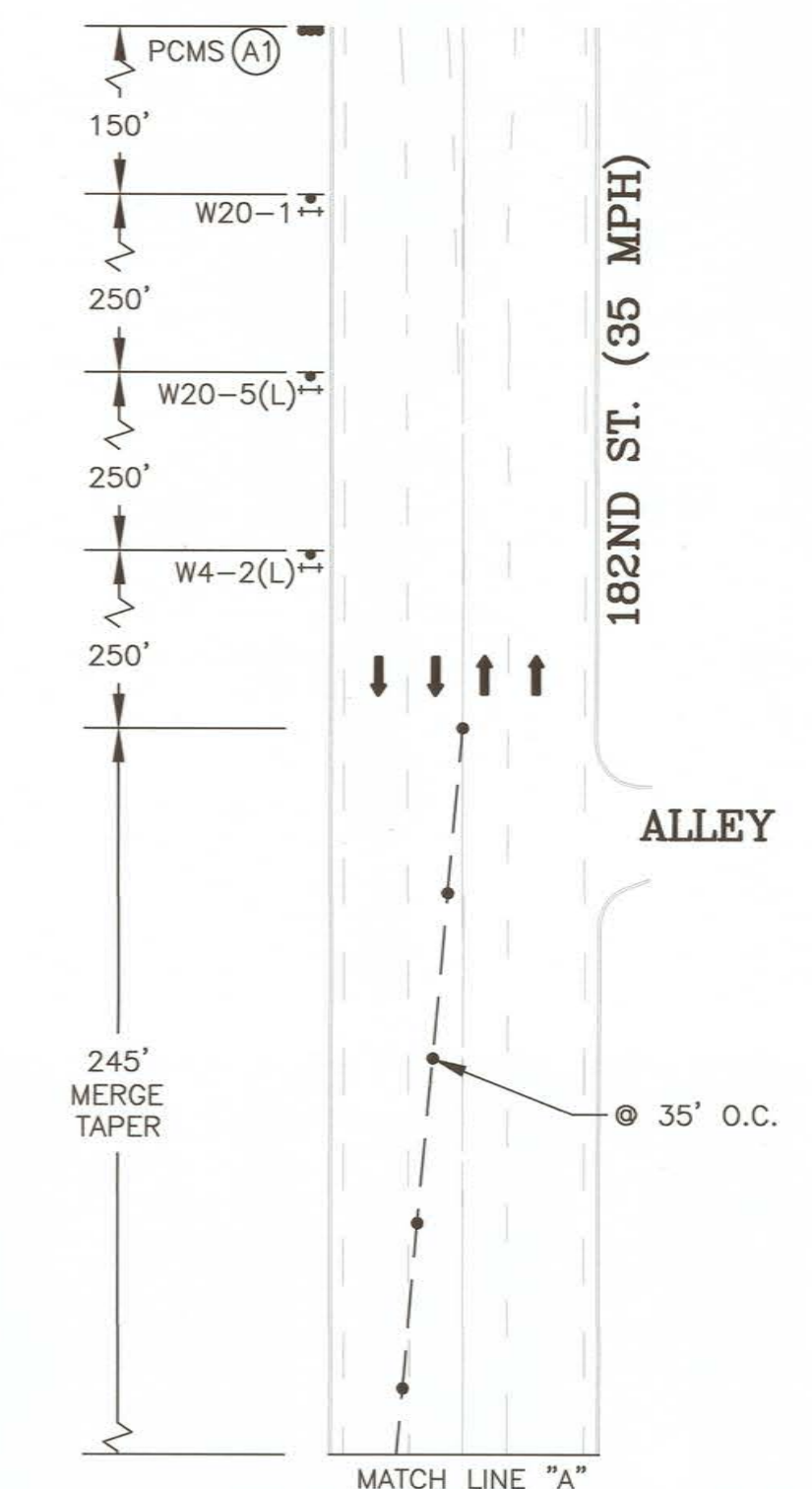
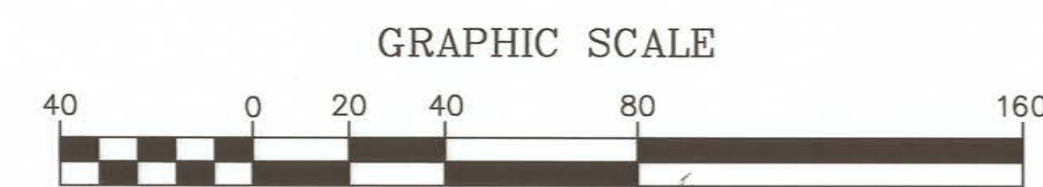
(A) 182ND ST. EASTBOUND & WESTBOUND

SCREEN 1	SCREEN 2
PURCHHE	USE
AVENUE	ALT.
CLOSED	ROUTE

PHASE 6



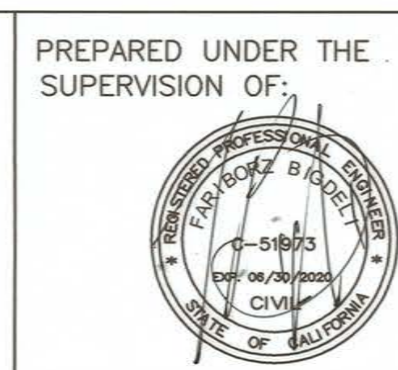
NO PUBLIC ACCESS 8:00AM-6:00PM:
 TRENCH TO BE PLATED BETWEEN
 THE HOURS OF 6:00PM AND 8:00AM,
 WEEKEND WORK ONLY.
 WORK HOURS ARE MON-FRI 8:00AM TO 5:00PM
 TRENCH TO BE PLATED 5:00PM TO 8:00AM.



NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.



Know what's below.
 Call before you dig.
 TWO WORKING DAYS BEFORE YOU DIG



PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/09/2021	VP	JD	ADDED NOTE AND TRAFFIC SIGN	
11/12/2021	VP	JD	ADDED NOTES AND PROVIDE ACCESS TO BUS	

VAN NESS WATER WELLS
 TRANSMISSION MAIN, I-145
 WATER MAIN-182ND ST.
 FROM STA. 221+51.80 TO STA. 227+80.00
 PHASE 6

DESIGNED BY: D. PREBLE
 DRAWN BY: L. CANTAREO
 PROJECT ENGINEER: [Signature]
 ENGINEERING MANAGER: JOHN C. DETTLE, P.E. [Signature]

CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 5/12/21

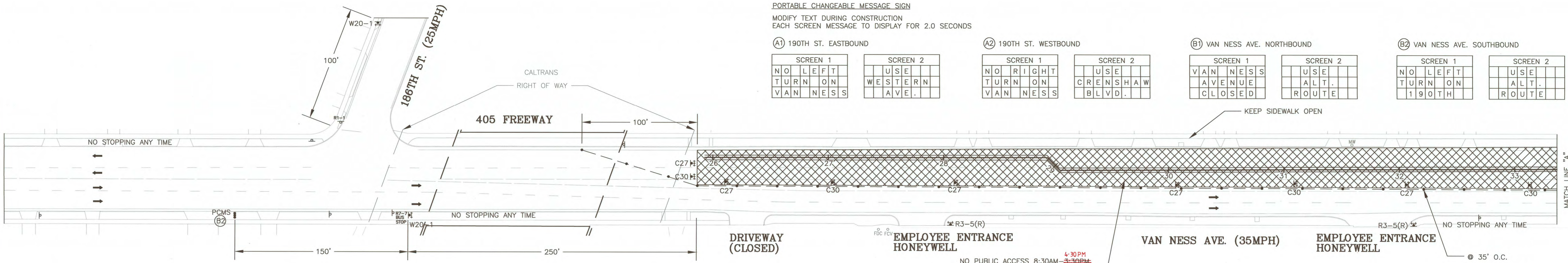
CRAIG BILEZERIAN, P.E.
 CITY ENGINEER
 R.C.E. NO. 55339

SHEET 34 OF 65
 SCALE: 1" = 40'
 SPECIFICATION NO.
 SUPPLEMENTAL PLAN NO. T-5
 DRAWING NO. **WP-307**

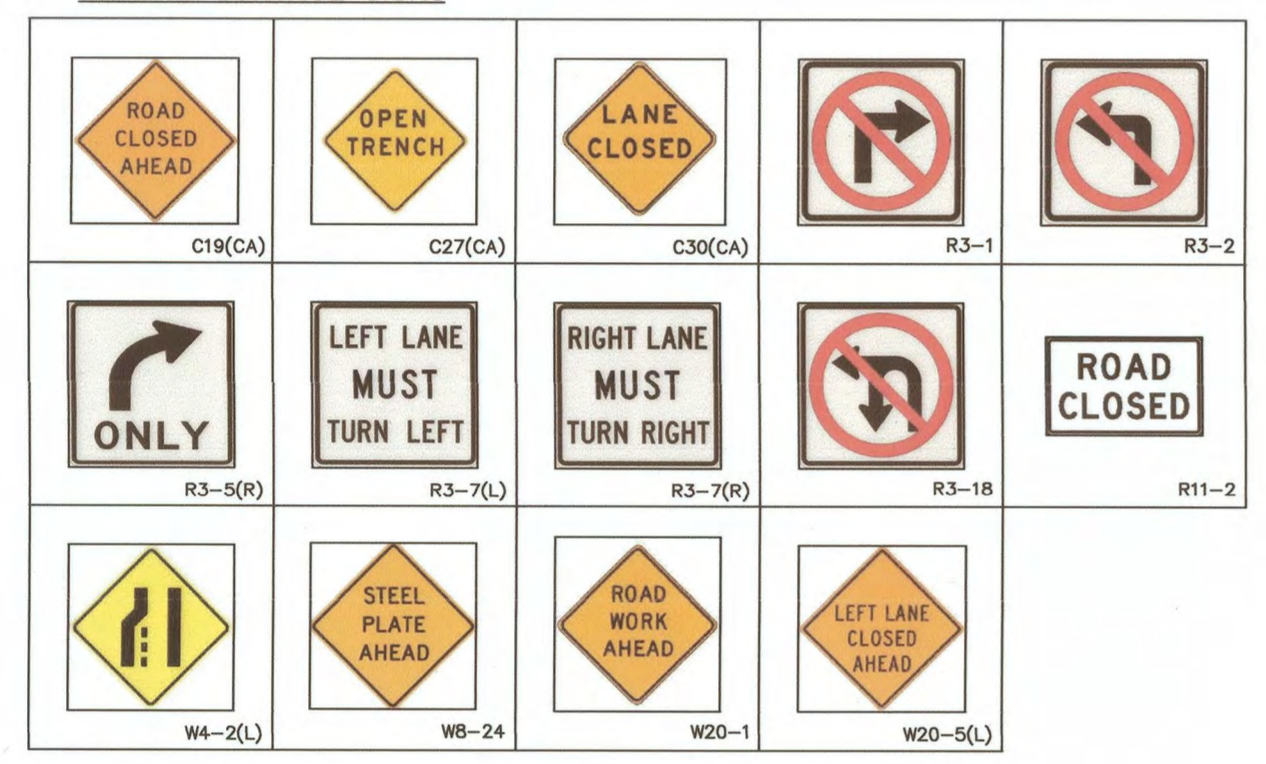
WP-307 40-65
 VAN NESS WATER WELLS TRANSMISSION MAIN I-145

PORTABLE CHANGEABLE MESSAGE SIGN
 MODIFY TEXT DURING CONSTRUCTION
 EACH SCREEN MESSAGE TO DISPLAY FOR 2.0 SECONDS

A1) 190TH ST. EASTBOUND		A2) 190TH ST. WESTBOUND		B1) VAN NESS AVE. NORTHBOUND		B2) VAN NESS AVE. SOUTHBOUND	
SCREEN 1	SCREEN 2	SCREEN 1	SCREEN 2	SCREEN 1	SCREEN 2	SCREEN 1	SCREEN 2
N O L E F T	U S E	N O R I G H T	U S E	V A N N E S S	U S E	N O L E F T	U S E
T U R N O N	W E S T E R N	T U R N O N	C R E N S H A W	A V E N U E	A L T .	T U R N O N	A L T .
V A N N E S S	A V E .	V A N N E S S	B L V D .	C L O S E D	R O U T E	1 9 0 T H	R O U T E



TRAFFIC CONTROL SIGNS

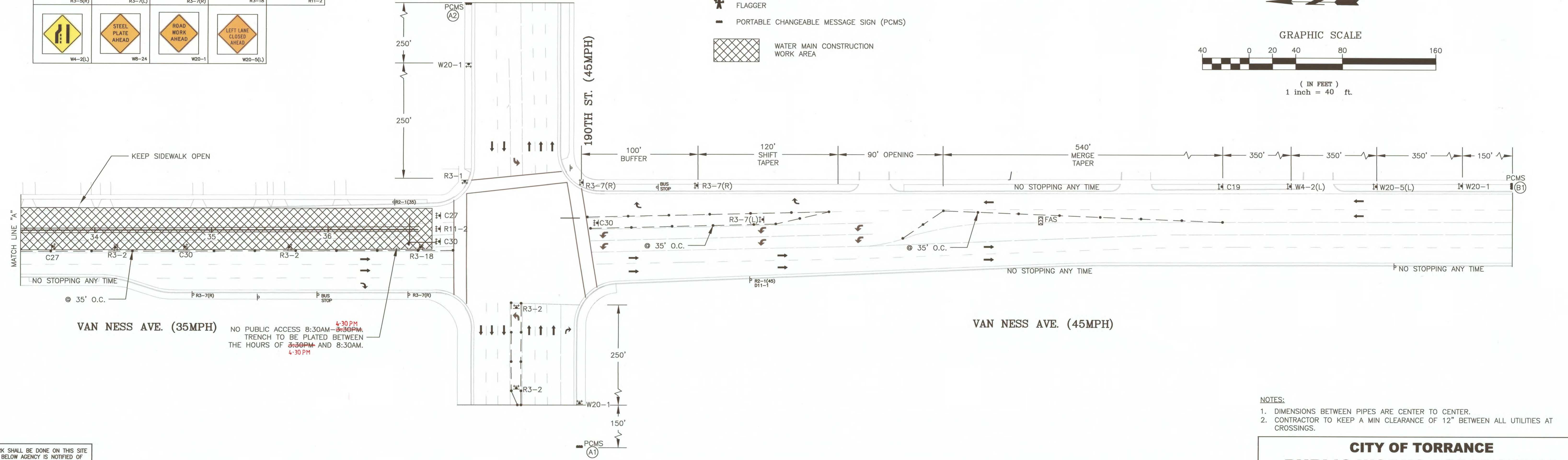
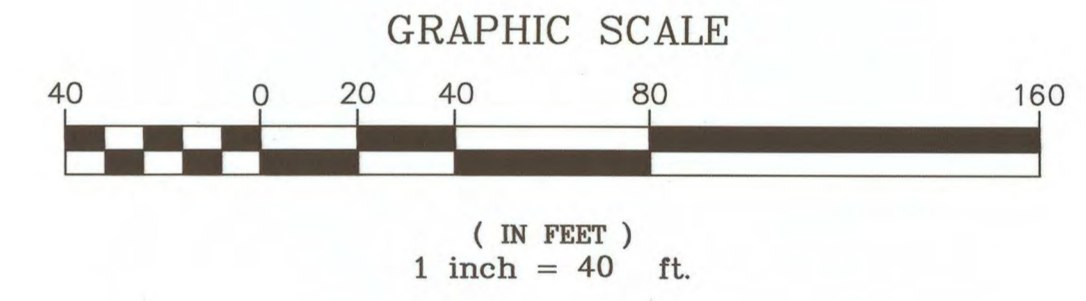


TRAFFIC CONTROL LEGEND

- ⇄ TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
- ⇄⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
- ▲ TEMPORARY SIGN (AS NOTED ON PLAN)
- ▲ EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
- 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
- ← DIRECTION OF TRAVEL
- ⚡ FLASHING ARROW BOARD SIGN (FAS)
- 👤 FLAGGER
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- ▨ WATER MAIN CONSTRUCTION WORK AREA

NOTES

1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
3. COVER EXISTING SIGNS DURING CONSTRUCTION.
4. PROVIDE ACCESS TO LOCAL TRAFFIC AND DRIVEWAYS
5. WORK HOURS 8:30AM TO 4:30PM, MONDAY-FRIDAY



- NOTES:
1. DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
 2. CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

Know what's below.
Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/09/2021	VP	JD	CHANGED WORK HOURS AND NOTE	

VAN NESS WATER WELLS
 TRANSMISSION MAIN, I-145
 WATER MAIN-VAN NESS AVE. AND 190TH ST.
 FROM STA. 25+92 TO STA. 36+81.7

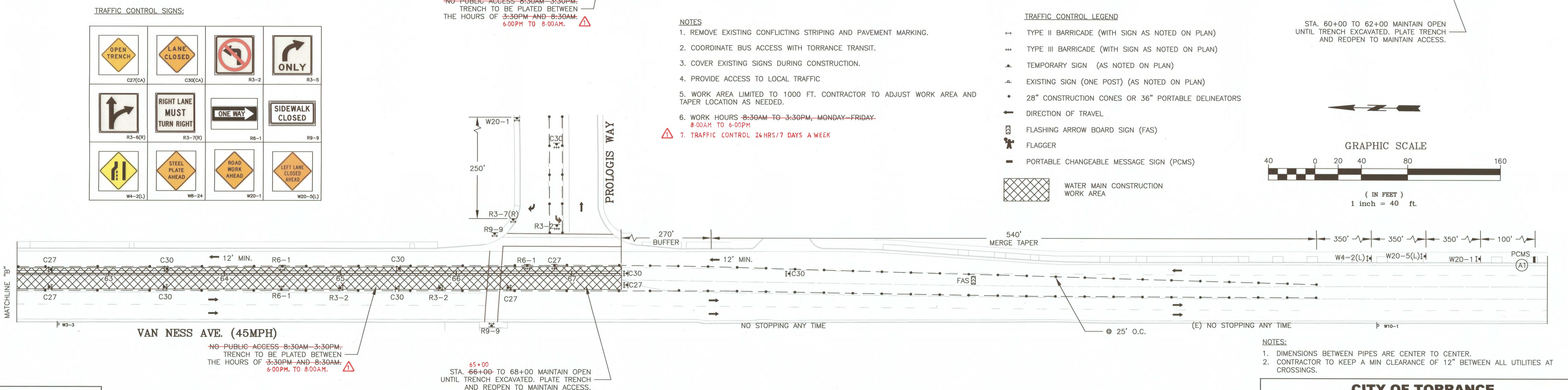
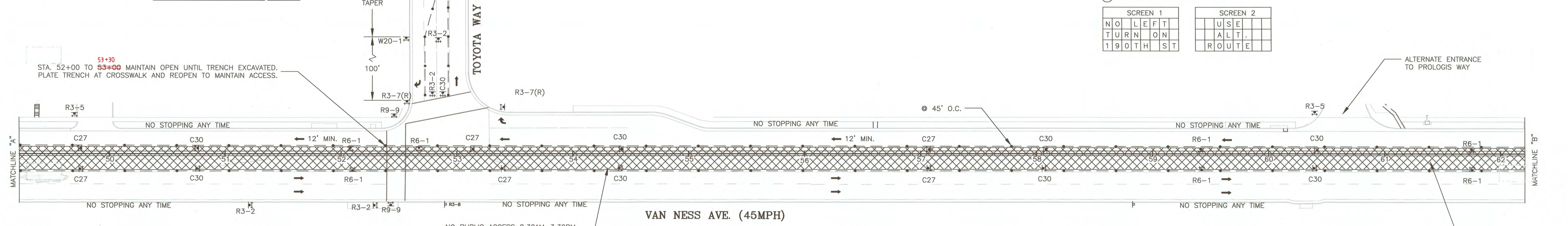
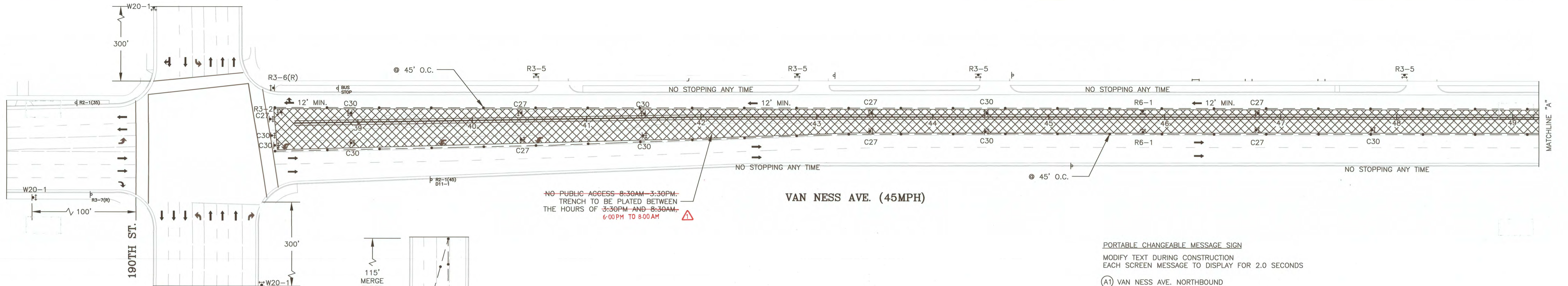
DESIGNED BY: D. PREBLE
 DRAWN BY: L. CANTARERO
 PROJECT ENGINEER: *[Signature]*
 ENGINEERING MANAGER: JOHN C. DETTLE, P.E. *[Signature]*

CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* 5/12/21
 CRAIG BILEZERIAN, P.E.
 CITY ENGINEER
 R.C.E. NO. 55339

SHEET 40 OF 65
 SCALE: 1" = 40'
 SUPPLEMENTAL PLAN NO. T-11
 DRAWING NO. **WP-307**

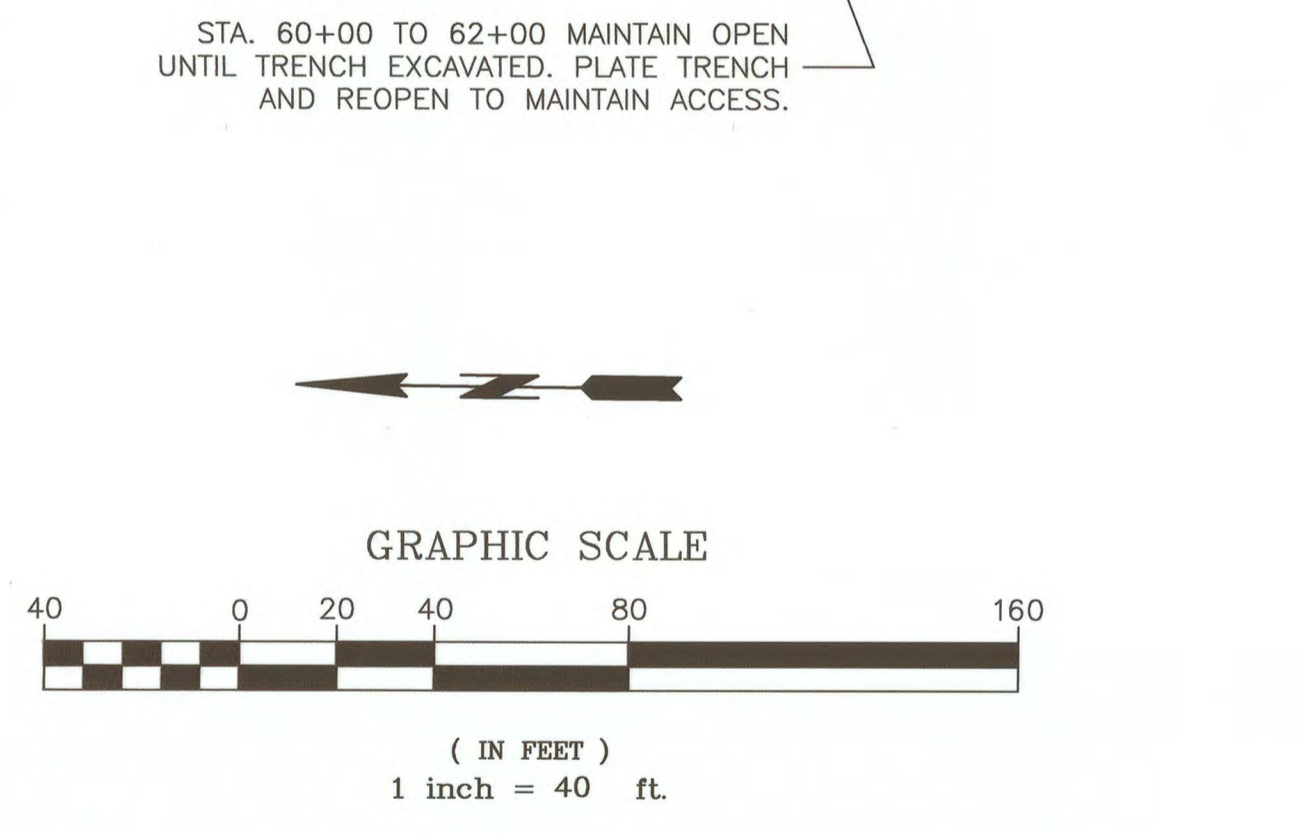
WP-307
 VAN NESS WATER WELLS
 TRANSMISSION MAIN, I-145



TRAFFIC CONTROL SIGNS:

- NOTES**
- REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
 - COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
 - COVER EXISTING SIGNS DURING CONSTRUCTION.
 - PROVIDE ACCESS TO LOCAL TRAFFIC
 - WORK AREA LIMITED TO 1000 FT. CONTRACTOR TO ADJUST WORK AREA AND TAPER LOCATION AS NEEDED.
 - WORK HOURS 8:30AM TO 3:30PM, MONDAY-FRIDAY, 8:00AM TO 6:00PM
 - TRAFFIC CONTROL 24HRS/7 DAYS A WEEK

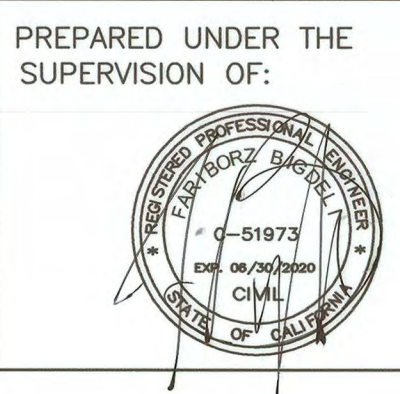
- TRAFFIC CONTROL LEGEND**
- ⇄ TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ⇄⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ▲ TEMPORARY SIGN (AS NOTED ON PLAN)
 - ▲ EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
 - 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
 - DIRECTION OF TRAVEL
 - ⚡ FLASHING ARROW BOARD SIGN (FAS)
 - 🚧 FLAGGER
 - Ⓜ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
 - ▨ WATER MAIN CONSTRUCTION WORK AREA



- NOTES:**
- DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
 - CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

811
Know what's below.
Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG



PREPARED UNDER THE SUPERVISION OF:

REVISIONS			
DATE	BY	CHECKED	DESCRIPTION
09/13/2021	VP	JD	CHANGED HOURS OF WORK AND ADDED NOTE

VAN NESS WATER WELLS
TRANSMISSION MAIN, I-145

WATER MAIN-VAN NESS AVE.
FROM STA. 38+45.5 TO STA. 67+42

DESIGNED BY:
D. PREBLE

DRAWN BY:
L. CANTARERO

PROJECT ENGINEER:
[Signature]

ENGINEERING MANAGER:
JOHN C. DETTLE, P.E. *[Signature]*

APPROVED BY:
[Signature] 5/12/21

CRAIG BILEZERIAN, P.E.
CITY ENGINEER
R.C.E. NO. 55339

**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

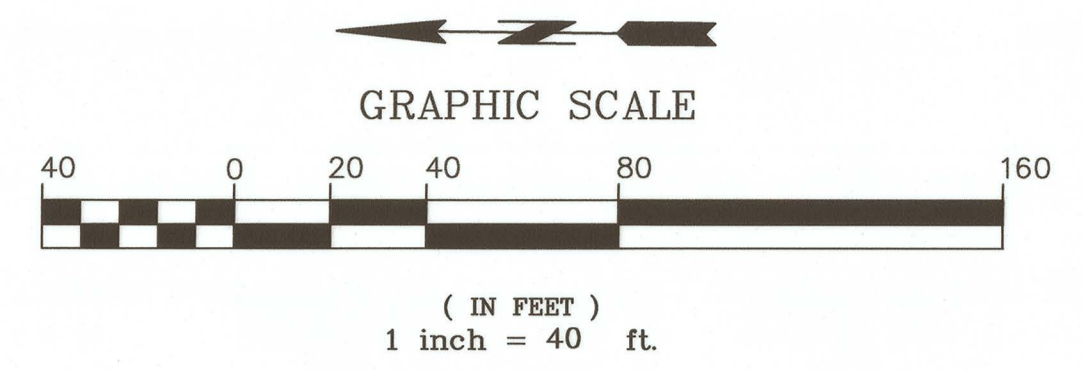
SHEET 43 OF 65

SCALE: 1" = 40'

SUPPLEMENTAL PLAN NO. T-14

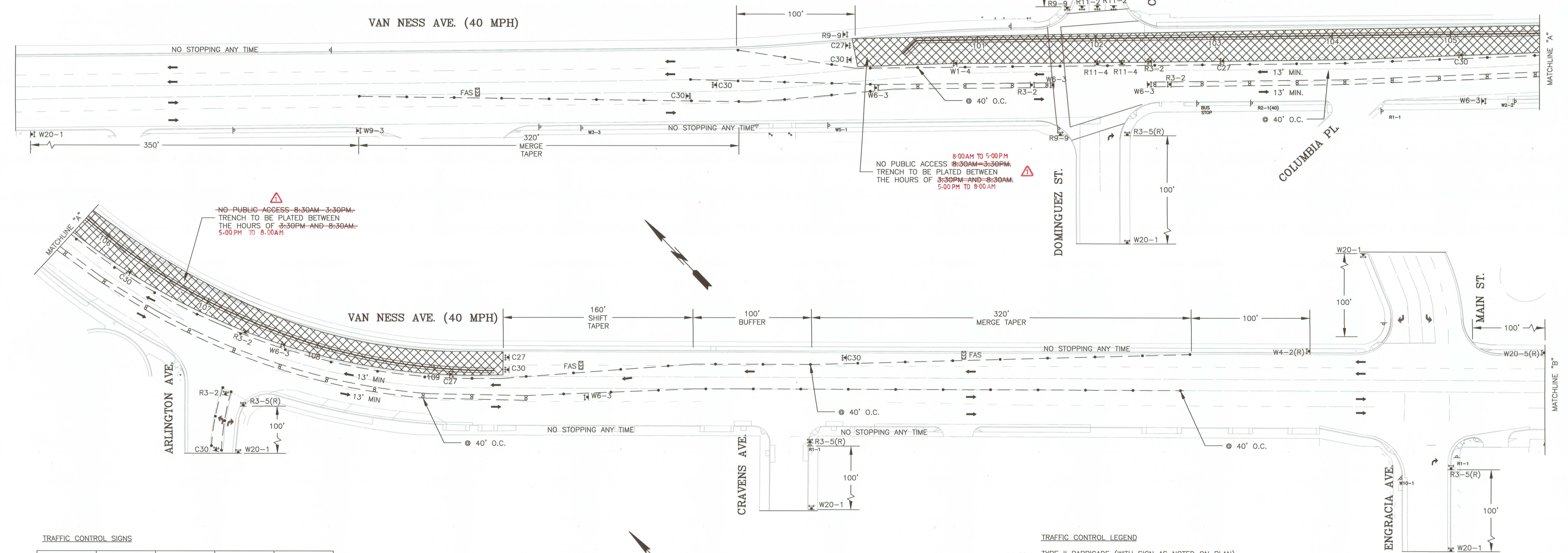
DRAWING NO. **WP-307**

040 FILE COMP. 09/21/21
WP-307
 55 - 65
 VAN NESS WATER WELLS
 TRANSMISSION MAIN I-145



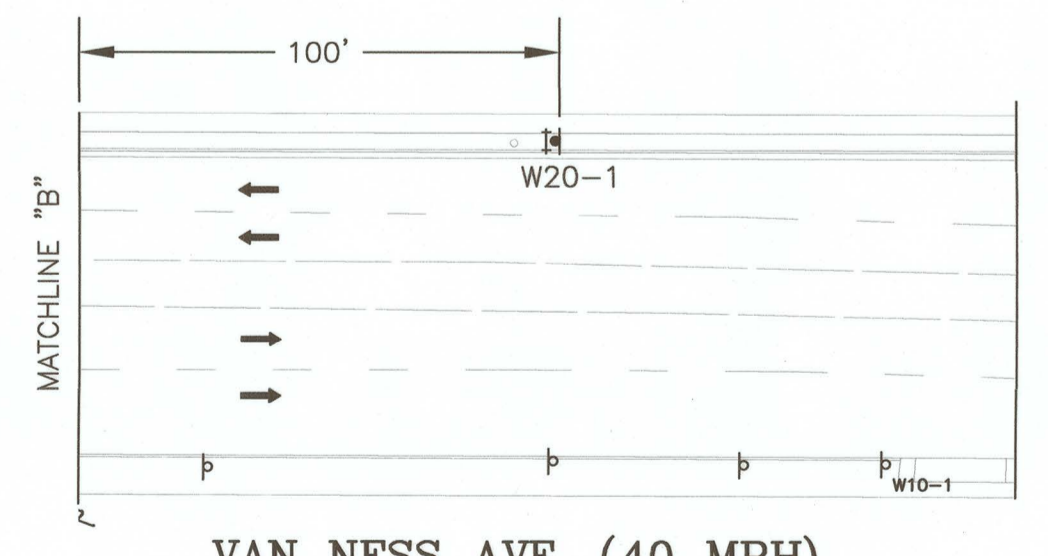
PHASE 2

- NOTES**
1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
 2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
 3. COVER EXISTING SIGNS DURING CONSTRUCTION.
8:00 AM TO 5:00 PM
 4. WORK HOURS - 8:30 AM TO 3:30 PM, MONDAY-FRIDAY
 5. TRAFFIC CONTROL MAY REMAIN IN PLACE 24 HOURS A DAY MONDAY TO FRIDAY



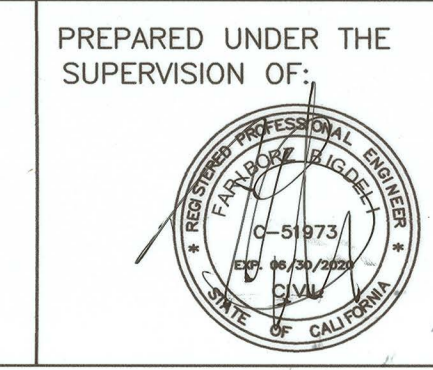
TRAFFIC CONTROL SIGNS

- TRAFFIC CONTROL LEGEND**
- TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ▲ TEMPORARY SIGN (AS NOTED ON PLAN)
 - ⊙ EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
 - 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
 - 40" TRAFFIC BARRELS
 - DIRECTION OF TRAVEL
 - ⊠ FLASHING ARROW BOARD SIGN (FAS)
 - ⚠ FLAGGER
 - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

811
Know what's below.
Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG



PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/21/2021	VP	JD	CHANGED WORK HOURS AND ADDED NOTE.	

VAN NESS WATER WELLS
TRANSMISSION MAIN, I-145

WATER MAIN-VAN NESS AVE.
FROM STA. 100+32 TO STA. 109+50

DESIGNED BY: D. PREBLE
DRAWN BY: L. CANTARERO

PROJECT ENGINEER: *[Signature]*

ENGINEERING MANAGER: *[Signature]*
JOHN C. DETTLE, P.E.

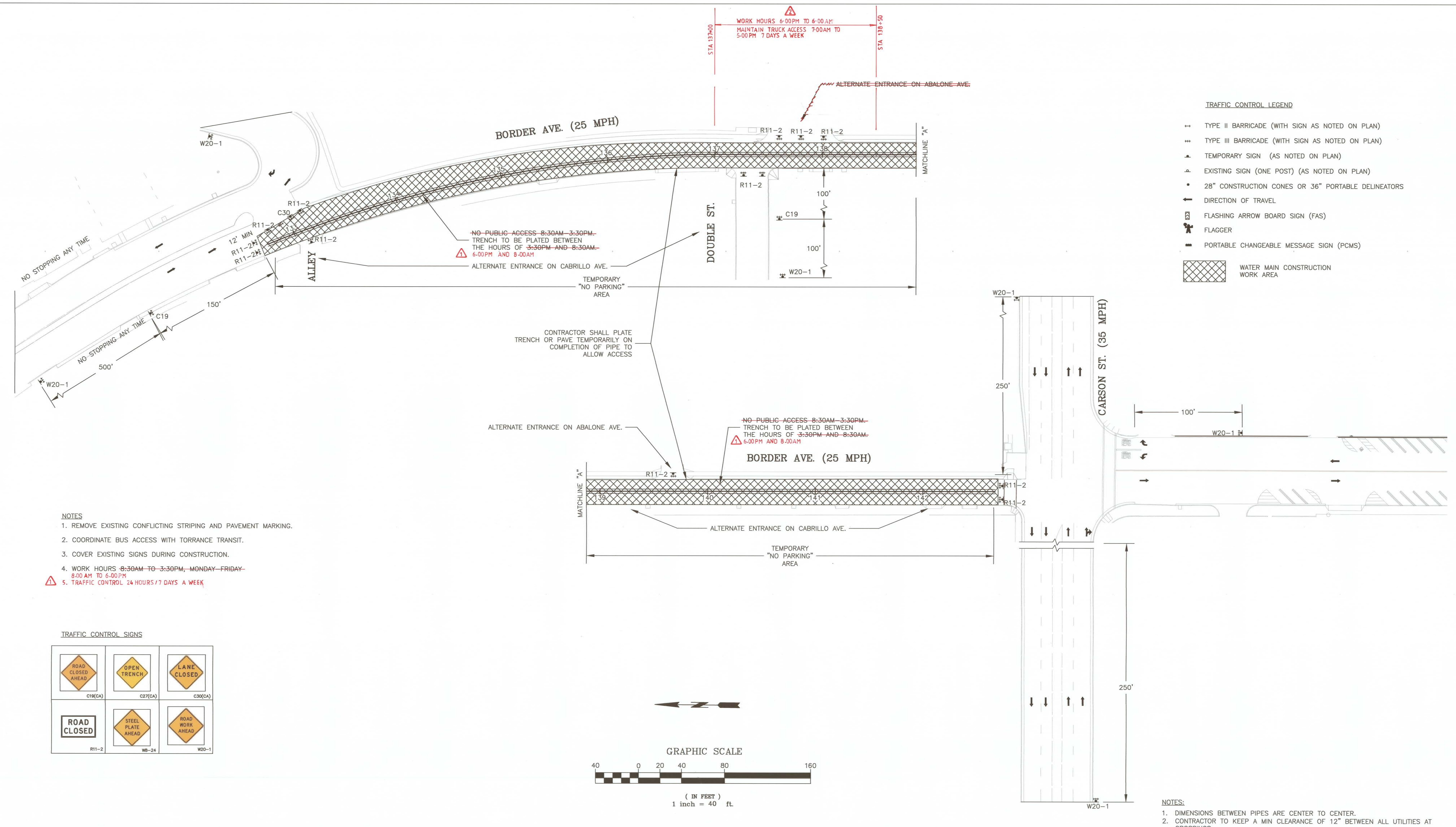
**CITY OF TORRANCE
PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 5/16/21

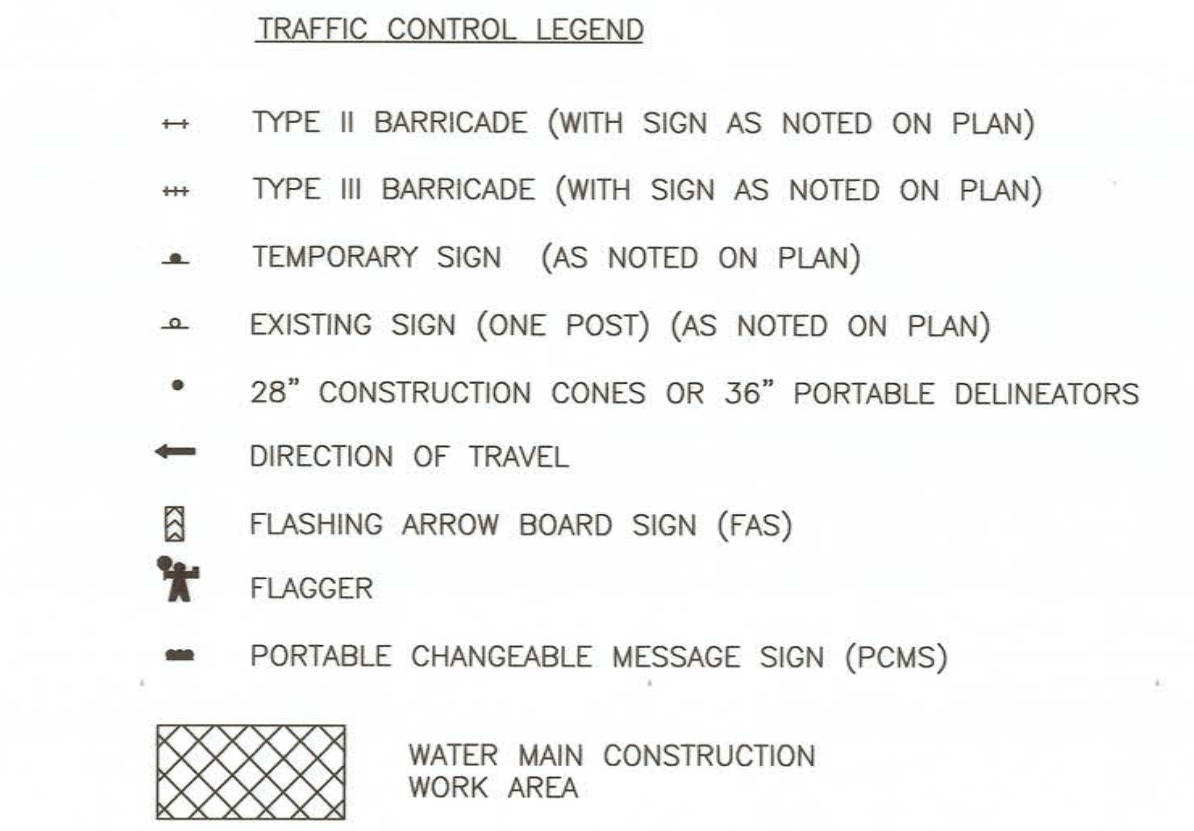
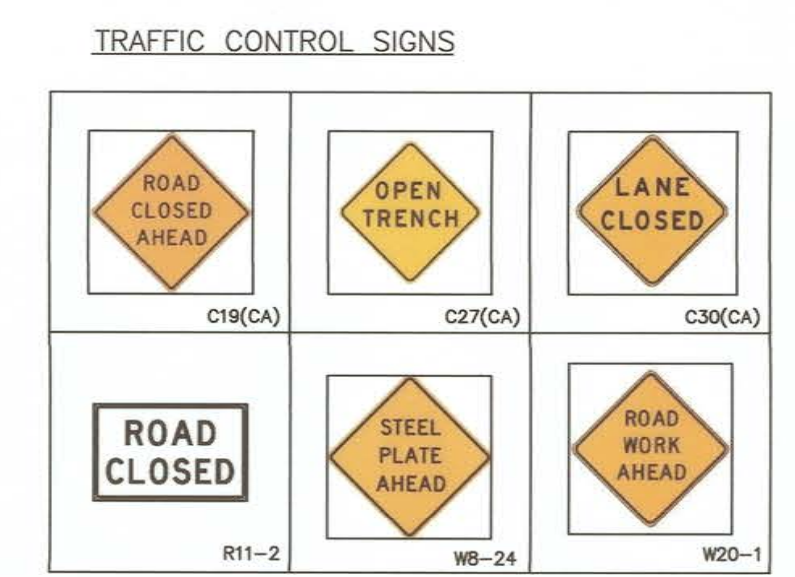
CRAIG BILEZERIAN, P.E.
CITY ENGINEER
R.C.E. NO. 55339

SHEET **55** OF **65**
SCALE: 1" = 40'
SPECIFICATION NO. T-26
DRAWING NO. **WP-307**

SAN FRANCISCO, CALIF. **WP-307** **60-65**
 VAN NESS WATER WELLS
 TRANSMISSION MAIN I-145



- NOTES**
1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
 2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
 3. COVER EXISTING SIGNS DURING CONSTRUCTION.
 4. WORK HOURS 8:30AM TO 3:30PM, MONDAY-FRIDAY-8:00 AM TO 6:00 PM
 5. TRAFFIC CONTROL 24 HOURS / 7 DAYS A WEEK



- NOTES:**
1. DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
 2. CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/23/2021	VP	JD	CHANGED WORK HOURS AND ADDED NOTE	
10/08/2021	VP	JD	ADDED WORK HOURS AND MAINTAIN TRUCK ACCESS	

VAN NESS WATER WELLS
TRANSMISSION MAIN, I-145

WATER MAIN-BORDER AVE.
FROM STA. 132+73 TO STA. 142+67

DESIGNED BY: D. PREBLE
DRAWN BY: L. CANTARERO
PROJECT ENGINEER: *[Signature]*
ENGINEERING MANAGER: JOHN C. DETTLE, P.E. *[Signature]*

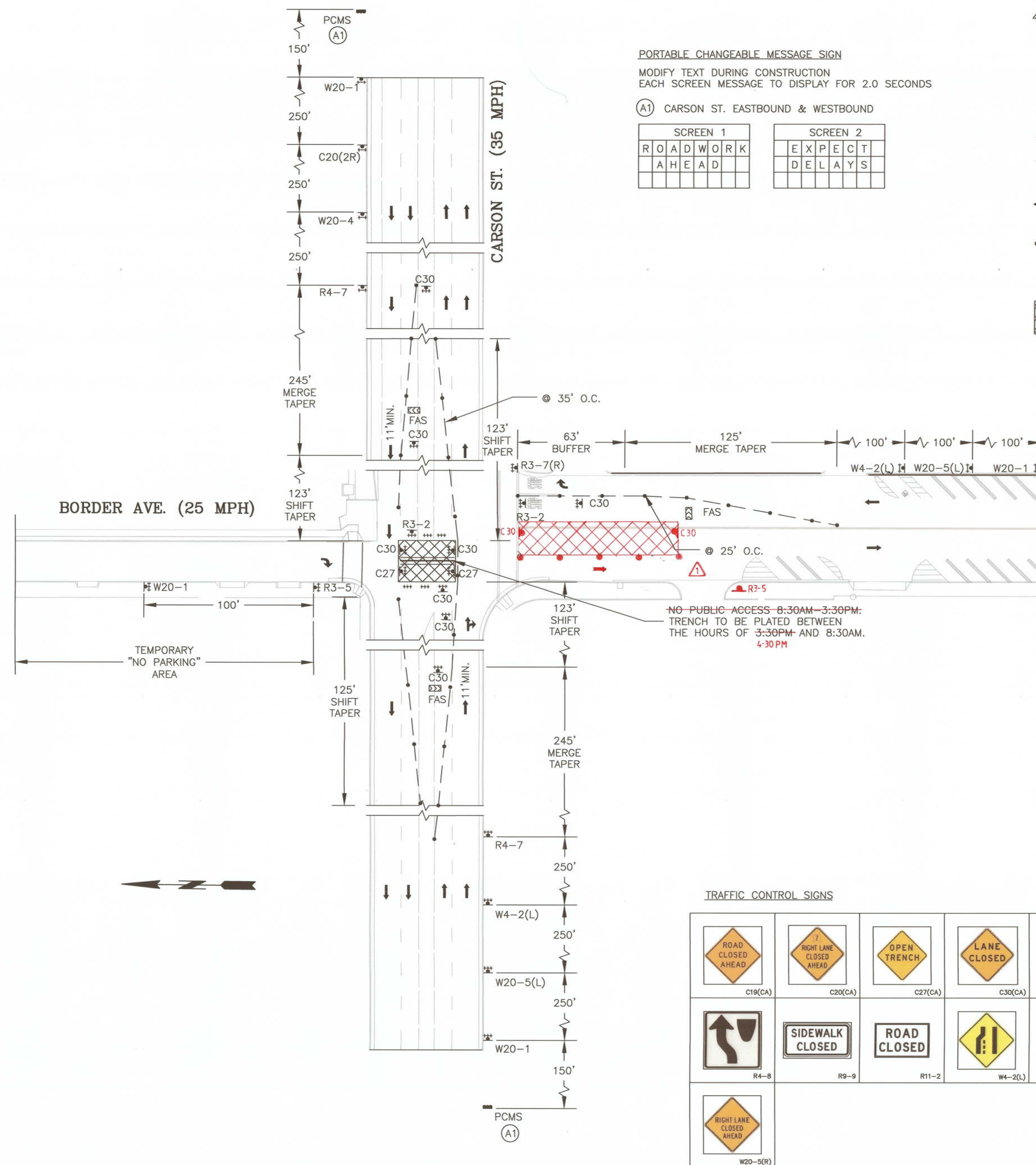
CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 5/12/21
CRAIG BILEZERIAN, P.E.
CITY ENGINEER
R.C.E. NO. 55339

SHEET **60** OF **65**
SCALE: 1" = 40'
SUPPLEMENTAL PLAN NO. T-31
DRAWING NO. **WP-307**

WP-307 62-65
 VAN NESS WATER WELLS TRANSMISSION MAIN I-145

PHASE 2



- NOTES**
1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
 2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
 3. COVER EXISTING SIGNS DURING CONSTRUCTION.
 4. WORK HOURS 8:30AM TO 3:30PM, MONDAY-FRIDAY ^{4:30 PM} ⚠

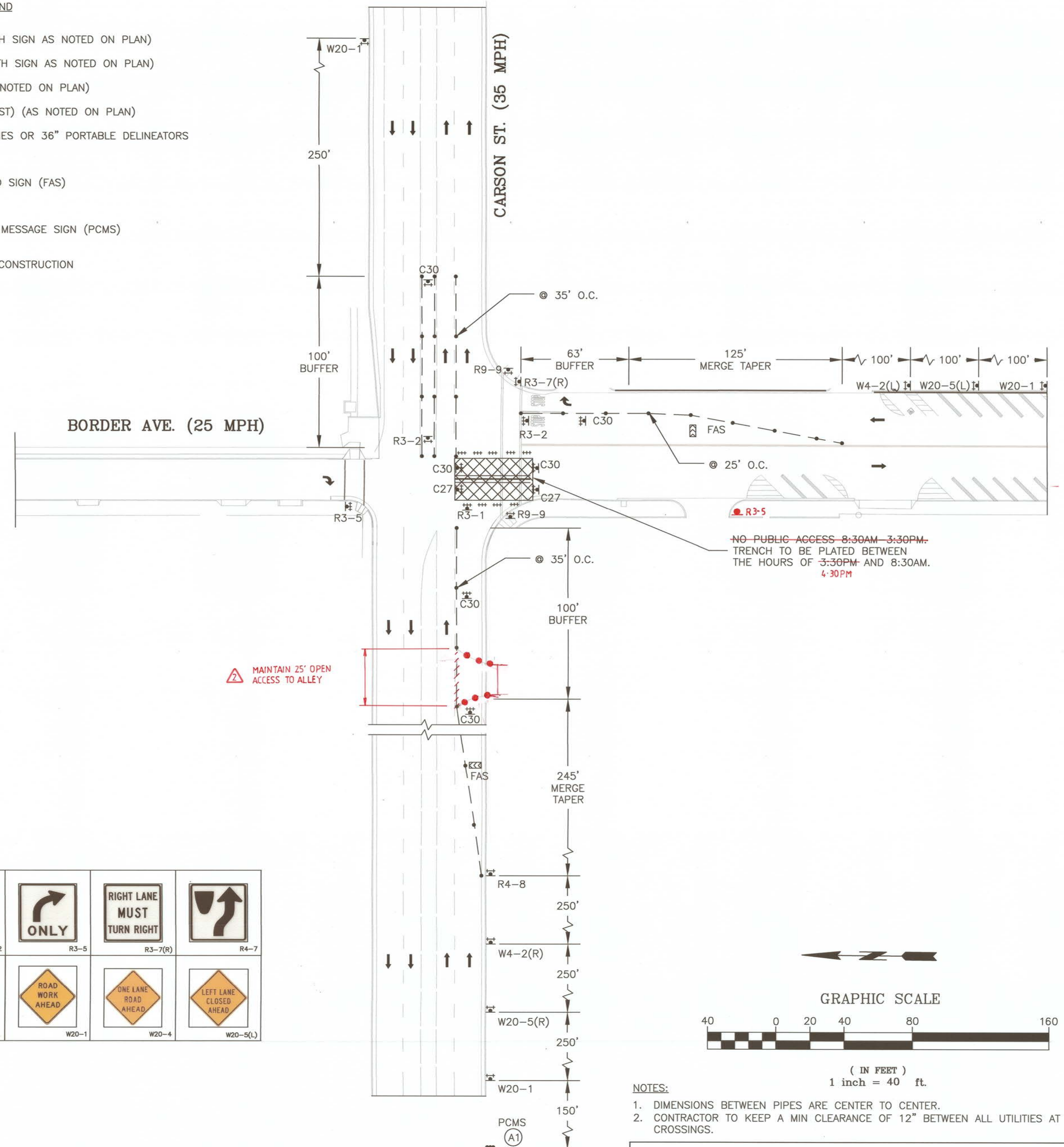
PORTABLE CHANGEABLE MESSAGE SIGN
 MODIFY TEXT DURING CONSTRUCTION
 EACH SCREEN MESSAGE TO DISPLAY FOR 2.0 SECONDS

(A1) CARSON ST. EASTBOUND & WESTBOUND

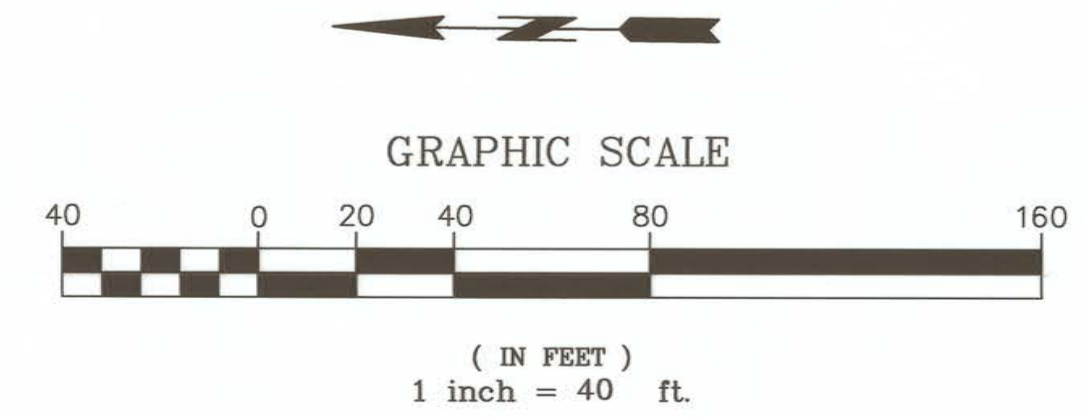
SCREEN 1				SCREEN 2			
R	O	A	D	E	X	P	E
A	H	E	A	D	E	L	A
A	H	E	A	D	E	L	A
A	H	E	A	D	E	L	A

- TRAFFIC CONTROL LEGEND**
- ⇄ TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ⇄⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ▲ TEMPORARY SIGN (AS NOTED ON PLAN)
 - ▲ EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
 - 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
 - ← DIRECTION OF TRAVEL
 - ⚡ FLASHING ARROW BOARD SIGN (FAS)
 - 🚧 FLAGGER
 - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
 - ▨ WATER MAIN CONSTRUCTION WORK AREA

PHASE 3



TRAFFIC CONTROL SIGNS



- NOTES:**
1. DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
 2. CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

811
 Know what's below.
 Call before you dig.
 TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/27/2021	VP	JD	ADDED WORK AREA AND EXTEND WORK HOURS	
10/08/2021	VP	JD	ADDED ACCESS TO ALLEY	

VAN NESS WATER WELLS TRANSMISSION MAIN, I-145

WATER MAIN—BORDER AVE. AND CARSON ST.
 FROM STA. 143+12 TO STA. 143+84

DESIGNED BY: D. PREBLE
 DRAWN BY: L. CANTARERO
 PROJECT ENGINEER:

ENGINEERING MANAGER: JOHN C. DETTLE, P.E.

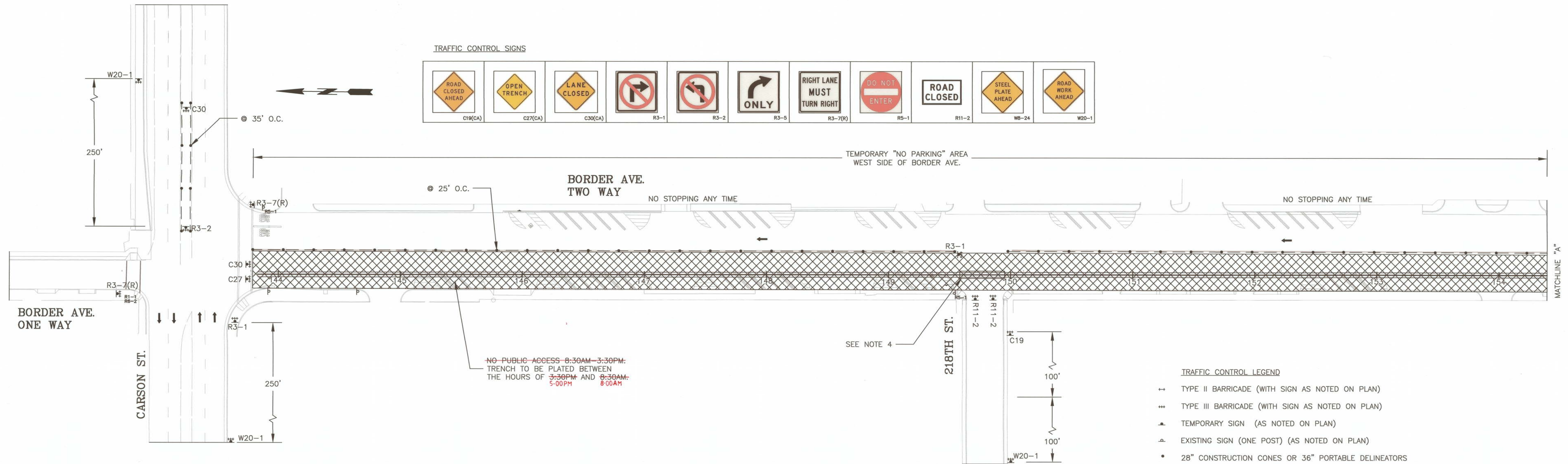
CITY OF TORRANCE PUBLIC WORKS DEPARTMENT

APPROVED BY:

DATE: 5/12/21

SHEET 62 OF 65
 SCALE: 1" = 40'
 SUPPLEMENTAL PLAN NO. T-33
 DRAWING NO. **WP-307**

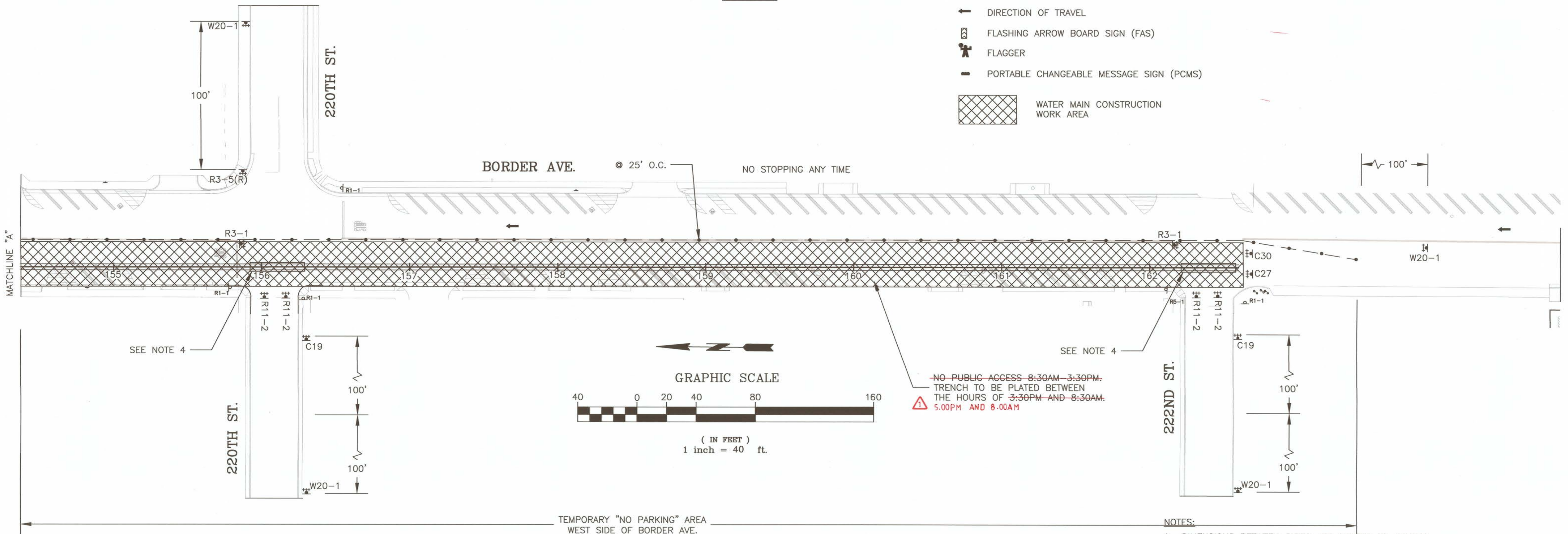
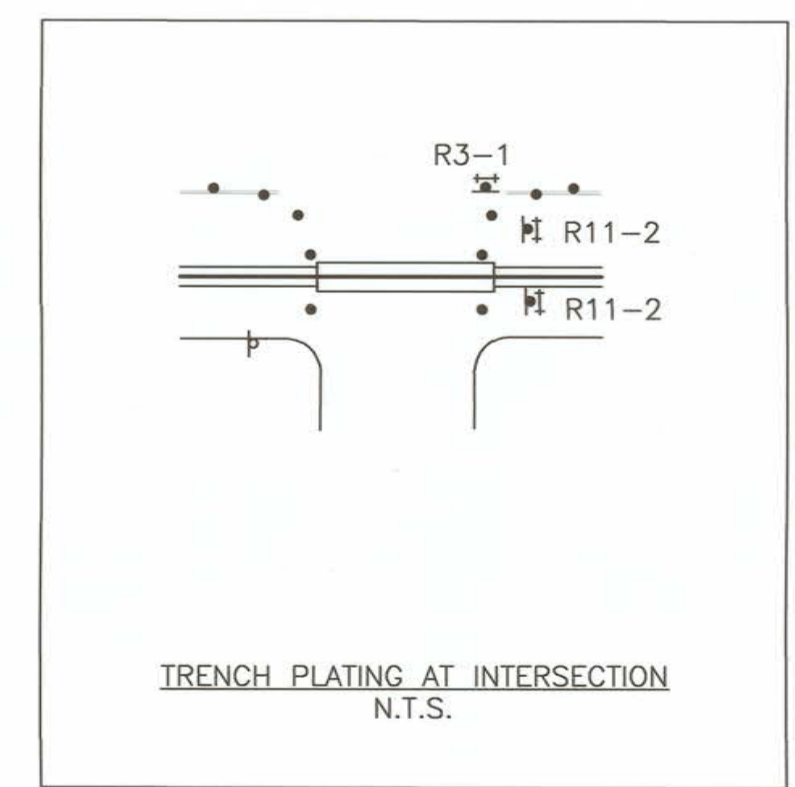
WP-307
 VAN NESS WATER WELLS
 TRANSMISSION MAIN (L-145)
 63 - 65



- NOTES**
1. REMOVE EXISTING CONFLICTING STRIPING AND PAVEMENT MARKING.
 2. COORDINATE BUS ACCESS WITH TORRANCE TRANSIT.
 3. COVER EXISTING SIGNS DURING CONSTRUCTION.
 4. CONTRACTOR TO PLACE STEEL PLATES AND OPEN INTERSECTIONS WHEN WORK NOT AT INTERSECTIONS (SEE DETAIL BELOW)
 5. WORK HOURS **8:00AM TO 5:00PM**, MONDAY-FRIDAY

NO PUBLIC ACCESS 8:30AM-3:30PM.
 TRENCH TO BE PLATED BETWEEN
 THE HOURS OF 3:30PM AND 8:30AM
 5:00PM AND 8:00AM

- TRAFFIC CONTROL LEGEND**
- ⇄ TYPE II BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ⇄⇄ TYPE III BARRICADE (WITH SIGN AS NOTED ON PLAN)
 - ▲ TEMPORARY SIGN (AS NOTED ON PLAN)
 - EXISTING SIGN (ONE POST) (AS NOTED ON PLAN)
 - 28" CONSTRUCTION CONES OR 36" PORTABLE DELINEATORS
 - ← DIRECTION OF TRAVEL
 - ⚡ FLASHING ARROW BOARD SIGN (FAS)
 - 🚧 FLAGGER
 - PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- 🧺 WATER MAIN CONSTRUCTION WORK AREA



NO PUBLIC ACCESS 8:30AM-3:30PM.
 TRENCH TO BE PLATED BETWEEN
 THE HOURS OF 3:30PM AND 8:30AM
 5:00PM AND 8:00AM

- NOTES:**
1. DIMENSIONS BETWEEN PIPES ARE CENTER TO CENTER.
 2. CONTRACTOR TO KEEP A MIN CLEARANCE OF 12" BETWEEN ALL UTILITIES AT CROSSINGS.

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

Know what's below. Call before you dig.
TWO WORKING DAYS BEFORE YOU DIG

PREPARED UNDER THE SUPERVISION OF:

REVISIONS				
DATE	BY	CHECKED	DESCRIPTION	
09/27/2021	VP	JD	CHANGED WORK HOURS	

VAN NESS WATER WELLS
 TRANSMISSION MAIN, L-145

WATER MAIN—BORDER AVE.
 FROM STA. 143+84 TO STA. 162+60

DESIGNED BY:
D. PREBLE

DRAWN BY:
L. CANTARERO

PROJECT ENGINEER:
[Signature]

ENGINEERING MANAGER:
JOHN C. DETTLE, P.E. *[Signature]*

**CITY OF TORRANCE
 PUBLIC WORKS DEPARTMENT**

APPROVED BY:
[Signature]

CRAIG BILEZERIAN, P.E.
 CITY ENGINEER
 R.C.E. NO. 55339

DATE: 5/2/21

SHEET 63 OF 65
 SCALE: 1" = 40'
 SUPPLEMENTAL PLAN NO. T-34
 DRAWING NO. **WP-307**