

DATE 6/26/13
REVIEWED BY
CADD PROJECT FILE NAME RDC0015018-PLAN-RD-DGN
CHECKER S. JONG
DESIGNER J. GARCIA
DRAFTER J. GARCIA

CONSTRUCTION LEGEND

ITEMS UNDERLINED TO BE CONSTRUCTED

- PORTLAND CEMENT CONCRETE CURB AND GUTTER (ON 6" CMB)
- PORTLAND CEMENT CONCRETE CURB (ON 6" CMB)
- PORTLAND CEMENT CONCRETE SIDEWALK, 4" THICK (ON 6" CMB)
- PORTLAND CEMENT CONCRETE PAVEMENT ON BASE MATERIAL
- ASPHALT CONCRETE PAVEMENT
- ASPHALT CONCRETE PAVEMENT ON BASE MATERIAL
- ASPHALT CONCRETE PAVEMENT, VARIABLE THICKNESS
- COLD MILL ASPHALT CONCRETE PAVEMENT
- COMMERICAL DRIVEWAY, TYPE C (MOD) (ON 6" CMB)
- DRAINAGE SYSTEM AS SHOWN ON SHEET INDICATED
- CURB RAMP (ON 6" CMB) PER CALTRANS STD PLAN A88A, CASE B, UNLESS OTHERWISE INDICATED OR SHOWN (SEE CONSTRUCTION NOTE 4)
- CONCRETE BUS PAD
- ROOT PRUNE TREE, FURNISH AND INSTALL ROOT CONTROL BARRIER
- ADJUST MANHOLE
- SEWER MANHOLE PER SPPWC STD PLAN 201-2
- RELOCATE EXISTING CHAIN LINK FENCE (LENGTH AS INDICATED)
- PARKWAY DRAIN, INLET TYPE 2, S= 36"
- CHAIN LINK FENCE, H= 5' (LENGTH AS INDICATED)
- TEMPORARY CHAIN LINK FENCE, H= 5' (LENGTH AS INDICATED)
- TEMPORARY DOUBLE CHAIN LINK DRIVE GATE (W= 20', H= 5')
- REMOVE EXISTING CHAIN LINK FENCE (LENGTH AS INDICATED)
- REMOVE EXISTING WROUGHT IRON FENCE (LENGTH AS INDICATED)
- RELOCATE EXISTING WROUGHT IRON FENCE (LENGTH AS INDICATED)
- ASPHALT RUBBER AND AGGREGATE MEMBRANE (ARAM), 3/8"
- TRENCH BACKFILL SLURRY (CLASS 270-E-500)
- DETECTABLE WARNING SURFACE PER CALTRANS STD PLAN A88A
- PORTLAND CEMENT CONCRETE ROLLED CURB PER CALTRANS STD PLAN A87A, TYPE E (MOD) (ON 6" CMB)
- ISLAND PASSAGEWAY PER CALTRANS STD PLAN A88B, T= 6"
- CURB OPENING CATCH BASIN PER SPPWC STD PLAN 300-3
- RCP (LENGTH, DIAMETER, AND D-LOAD AS SHOWN)
- JUNCTION STRUCTURE PER SPPWC STD PLAN 331-3
- LOCAL DEPRESSION PER SPPWC STD PLAN 313-3, CASE E, H= 2"
- REMOVE EXISTING CATCH BASIN
- REMOVE EXISTING DRAINAGE JUNCTION STRUCTURE
- REMOVE EXISTING PIPE (TYPE & LENGTH AS INDICATED)
- REMOVE EXISTING CURB DRAIN
- ABANDON AND SEAL EXISTING 18" CMP
- ADJUST DOUBLE CHAIN LINK DRIVE GATE (W= 16') TO THE NEW GRADE
- RELOCATE OR REMOVE SIGN PER PLAN SP
- REMOVE EXISTING RIVER ROCK PAVING, 10" THICK
- REMOVE INTERFERING PORTIONS OF PIPE, ABANDON REMAINING LENGTH, AND FILL WITH CEMENT SLURRY (CLASS 100-E-100)
- AUTOMATIC RETRACTABLE SCREEN PER SPECIAL PROVISIONS
- CONNECTOR PIPE SCREEN PER SPECIAL PROVISIONS
- CROWN REDUCTION, TREE
- 30" MANHOLE FRAME AND COVER PER SPPWC STD PLAN 632-3
- CONCRETE PAVER
- CONCRETE BACKFILL PER LACDPW STD PLAN 3080-3 (SEE CONSTRUCTION NOTE 6)
- TIRE RUBBER MODIFIED ASPHALT CONCRETE (C2-PG 64-28 TR), 2" THICK
- MEDIAN CONCRETE, 4" THICK (ON 6" CMB)

CONSTRUCTION NOTES

CHECKED BOXES ARE FOR ITEMS APPLICABLE TO THIS PROJECT

- PRIME CONTRACTOR LICENSE REQUIRED: CLASS A
- STANDARD PLANS REFERENCED ARE PER THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) UNLESS OTHERWISE NOTED.
- ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL BASED ON L.A. CITY 1975 ADJUSTMENT, NGVD 1929 DATUM.
- CONSTRUCT RETAINING CURB AT BACK OF CURB RAMP PER CALTRANS STD PLAN A88A, SECTION B-B, UNLESS OTHERWISE SHOWN OR NOTED.
- ALL PIPE IN OPEN TRENCH SHALL BE BEDDED ACCORDING TO LACDPW STANDARD PLAN 3080-3, CASE 3, EXCEPT BELL AND SPIGOT PIPE WHICH SHALL BE CASE 2 BEDDING, UNLESS OTHERWISE SHOWN. "W" VALUES SHALL BE AS SPECIFIED ON STANDARD PLAN 3080-3 FOR CASE 3 BEDDING, NOTES (a) AND (b). IF THE "W" VALUE AT THE TOP OF THE PIPE IS EXCEEDED, THE BEDDING SHALL BE MODIFIED, AND/OR PIPE OF ADDITIONAL STRENGTH SHALL BE PROVIDED. THE PROPOSED MODIFICATION SHALL BE APPROVED BY LACDPW. THE DESIGN OF THE PIPE IS BASED ON THE ASSUMPTION THE PIPE WILL BE INSTALLED IN ACCORDANCE WITH CASE 3 STANDARD INSTALLATION AS SHOWN ON STANDARD PLAN 3080-3 UNLESS OTHERWISE SHOWN.
- CONCRETE BACKFILL SHALL BE PROVIDED FOR RCP 21 INCHES IN DIAMETER OR LESS WHERE THE COVER IS EQUAL TO OR LESS THAN 2'-0". FOR RCP GREATER THAN 21 INCHES IN DIAMETER BUT LESS THAN 39 INCHES WHERE THE COVER IS LESS THAN 1'-3", AND FOR PIPE 39 INCHES OR GREATER WHERE THE COVER IS LESS THAN 1'-0", THE CONCRETE BACKFILL SHALL BE AS SPECIFIED ON LACDPW STANDARD PLAN 3080-3.
- LOCATIONS OF CATCH BASIN CONNECTOR PIPE JUNCTIONS WITH CATCH BASINS AS SHOWN ON THE DRAWINGS ARE SCHEMATIC. IT IS INTENDED THAT SUCH JUNCTIONS BE LOCATED AT THE DOWNSTREAM ENDS OF THE CATCH BASINS, UNLESS SPECIFICALLY INDICATED OTHERWISE. IN ALL CASES, THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER TO MEET FIELD CONDITIONS.
- MONOLITHIC CATCH BASIN CONNECTIONS SHALL BE CONSTRUCTED, WHERE APPLICABLE, PER SPPWC STANDARD PLAN 308-2.
- CATCH BASIN MANHOLE COVERS SHALL BE INSCRIBED WITH THE LETTERS "L.A.C.F.C.D.". THE LETTER SIZE SHALL BE 1-INCH HIGH.
- ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT OF THE MAXIMUM DRY DENSITY.
- WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL INSTALL A BLUE RAISED RETROREFLECTIVE PAVEMENT MARKER (RPM) ON THE FINISHED SURFACE AT EACH FIRE HYDRANT LOCATION PER CALIFORNIA 2012 MUTCD PART 3, FIGURE 3B-102(CA), AS DESCRIBED IN THE SPECIAL PROVISIONS.

CONSTRUCTION SYMBOLS

- (NO) INDICATES WORK PER CONSTRUCTION LEGEND
- (LT) CURVE DATA SHOWN IN TABLE ON PLAN
- 2" P4 ABOVE LINE: INDICATES THE TYPE OF STANDARD; THICKNESS OF SURFACE MATERIAL IN INCHES; STD PLAN VARIABLES; OR CURB RAMP CASE
- 5" CMB BELOW LINE: REFERENCE TO DETAIL; THICKNESS OF BASE MATERIAL IN INCHES; OR TREE WELL CASE
- 5" x b 4" CMB ABOVE LINE: a = LENGTH PARALLEL TO CURB
b = LENGTH PERPENDICULAR TO CURB
- R REMOVE TREE
- RB REMOVE, BOX, AND TRANSPLANT TREE TO NEW LOCATION PER PLAN LS
- 14" x b 2" P4 ABOVE LINE: a = WIDTH OF DRIVEWAY BEHIND APRON
b = DISTANCE BACK OF APRON
BELOW LINE: THICKNESS AND TYPE OF SURFACE MATERIALS BEHIND APRON
LEFT OF LINE: STA OF THE DRIVEWAY APRON
RIGHT OF LINE: DRIVEWAY WIDTH "W" OF APRON
- 19" C.L.S.R.T ABOVE LINE: STD PLAN VARIABLES
LEFT OF LINE: STA OF THE STAIRWAY
RIGHT OF LINE: STAIRWAY WIDTH AND TYPE
- MT W L MEDIAN TAPER PER STD PLAN 140-3
- MF W L MEDIAN FLARE PER STD PLAN 141-2
- LTR # SEE DETAIL "LTR" ON SHEET NO. "#"
- RU UTILITY TO BE RELOCATED BY OWNER

STANDARD PLANS

SPPWC, 2009 EDITION

- 101-2 ABOVE-GROUND UTILITIES LOCATION IN PARKWAY
- 110-2 DRIVEWAY APPROACHES
- 112-2 CURB AND SIDEWALK JOINTS
- 120-2 CURB AND GUTTER - BARRIER
- 121-2 CURB AND GUTTER - MOUNTABLE
- 131-2 CONCRETE BUS PAD
- 132-3 CONCRETE PAVEMENT REPLACEMENT
- 133-3 ASPHALT CONCRETE PAVEMENT REPLACEMENT
- 134-2 CONCRETE PAVEMENT JOINT DETAILS
- 141-2 MEDIAN FLARE
- 151-2 PARKWAY DRAIN
- 201-2 PRECAST CONCRETE SHALLOW MANHOLE
- 205-2 SEWER MANHOLE ADJUSTMENT
- 206-2 MANHOLE RAISING RINGS
- 300-3 CURB OPENING CATCH BASIN
- 308-2 MONOLITHIC CATCH BASIN CONNECTION
- 309-2 CATCH BASIN REINFORCEMENT
- 310-3 CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR
- 312-3 CATCH BASIN MANHOLE FRAME AND COVER
- 313-3 LOCAL DEPRESSIONS AT CATCH BASINS
- 324-2 MANHOLE SHAFT WITH ECCENTRIC REDUCER
- 331-3 JUNCTION STRUCTURE - PIPE TO PIPE
- 380-4 CONCRETE COLLAR FOR RCP 12" THROUGH 72"
- 523-2 ROOT PRUNING
- 600-3 CHAIN LINK FENCE AND GATES
- 632-3 30" MANHOLE FRAME AND COVER
- 635-3 STEEP STEP
- 636-2 POLYPROPYLENE - PLASTIC STEP

STATE OF CALIFORNIA, 2010 EDITION

- A87A CURBS AND DRIVEWAYS
- A88A CURB RAMP DETAILS
- A88B CURB RAMP AND ISLAND PASSAGEWAY DETAILS

LACDPW, 2000 EDITION

- 2003-2 REINFORCED PRECAST CONCRETE MANHOLE
- 2009-1 RECONSTRUCTION OF BRICK MANHOLE TOPS
- 3080-3 PIPE BEDDING IN TRENCHES
- 3090-1 CRITERIA FOR THE DESIGN OF SHORING FOR EXCAVATIONS
- 3091-1 SAMPLE SHEET FOR USE AS A GUIDE IN PREPARING CALCULATIONS FOR SHORING OF EXCAVATIONS

NON-STANDARD ABBREVIATIONS

(SEE SHEET 8)

REFERENCES

- MATERIALS TEST REPORT, LAB No. 37335 (DATED 11/21/12), WITH ADDENDUM (DATED 6/18/13)
- PWFB 1314 PAGES 374-378, 377A-B, 378A, 485, 558-564, 559A, 560A, 751-752, 761-762
PWFB 1315 PAGES 412, 697
PWLB 1314 PAGES 143-145
- PRELIMINARY STUDY MAP, DATED 08-09-07 (REVISED 3/19/13)
- PROJECT NO. 3889 WEST LOS ANGELES, UNIT 3-LINE F (LACFCD INDEX NO. 470-3889-D4.4)
(LACDPW DWG NO. PD041724)

AS BUILT

DATE	MK	DESCRIPTION
REVISIONS		



PROJECT ENGINEER
DATE 6/26/13

CONVENTIONAL SYMBOLS

	EXISTING TOPOGRAPHY	PROPOSED IMPROVEMENTS
CURB		
CURB AND GUTTER		
GUTTER		
PAVEMENT CONCRETE		
AC		
CURB RAMP		
BUILDING		
BARRICADE		
FENCE		
GUY POLE		
DRIVEWAY		
FIRE HYDRANT		
GUARDRAIL		
GUY WIRE		
MANHOLE		
PIPE		
CONNECTOR PIPE		
MAIN LINE		
POLE		
PROPERTY LINE		
R/W LINE		
PULL BOX		
RAILROAD		
RR XING PROTECTION		
SHRUB		
SIDEWALK		
SIGNAL CONTROL BOX		
SIGNAL FLASHING		
TRAFFIC LOOP		
STREET LIGHT		
PALM TREE		
OAK TREE		
OTHER TREE		
VALVE		
VAULT		
BRICK (BLOCK) WALL		
CONCRETE WALL		
STONE WALL		
TOP OF SLOPE		
TOE OF SLOPE		
STAND PIPE		

SHADED IF NOT CONTINUOUS

AC PAVEMENT CLASS AND GRADE LEGEND

- P1 C2-PG 64-10
- P3 B-PG 70-10
- B-PG 70-10
- P4 D2-PG 64-10
- P2 C2-PG 64-10

PF572515

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

WILSHIRE BOULEVARD
BUS RAPID TRANSIT
CONSTRUCTION NOTES AND REFERENCES
PROJECT ID NO. RDC0015018

PCA X2301823

DWG 470-3889-F17.1

SHEET 1 OF 2

PS-CWP-DWG001 04/05

PLAN RD