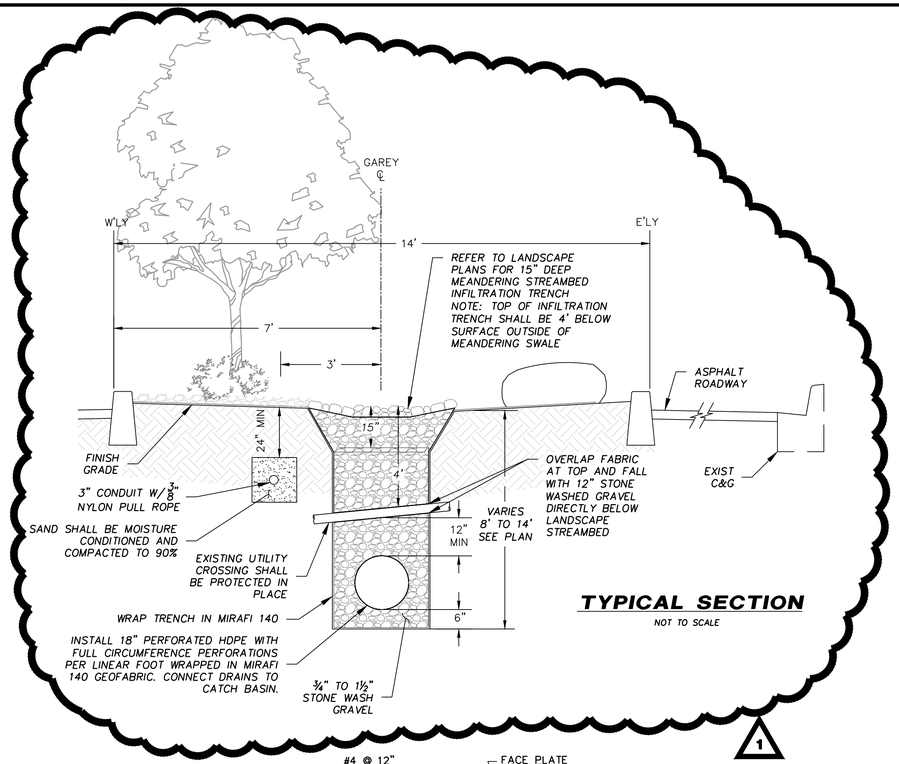
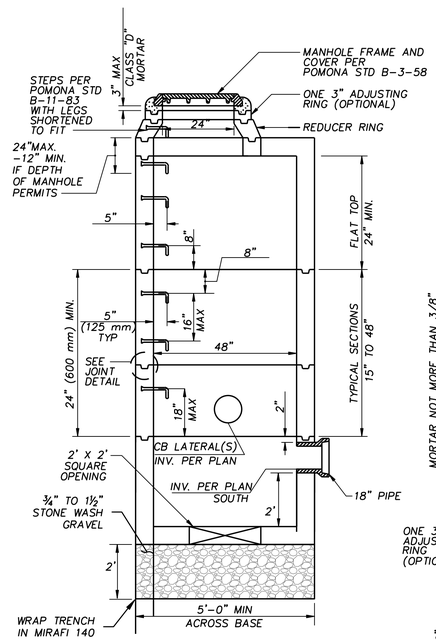
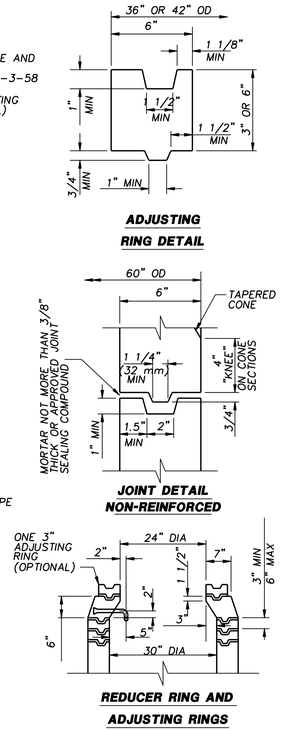


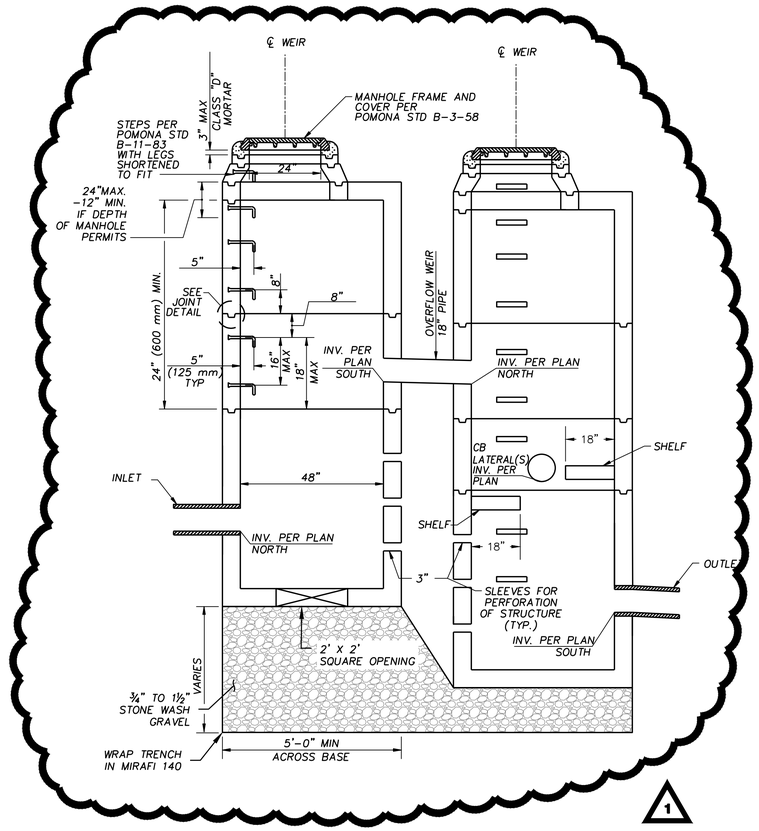
TYPICAL SECTION

NOT TO SCALE

1



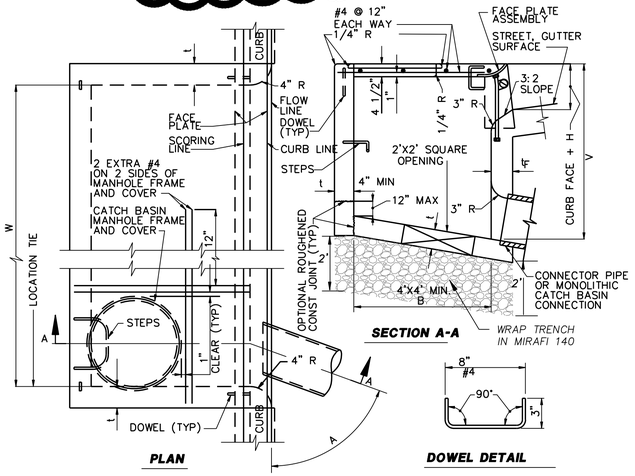




1

DETAIL "B"

NOT TO SCALE



DETAIL "A"

NOT TO SCALE

STRUCTURAL DATA							
WALL AND SLAB DIMENSIONS AND REINFORCEMENT REQUIREMENTS							
MAX W	MAX V	t	t_F	REINFORCEMENT REQUIRED IN			
				FRONT WALL	REAR WALL		END WALL
3.5' (1.0 m)	8' (2.4 m)	6" (150 mm)	6" (150 mm)	NO REINFORCEMENT REQUIRED			
7' (2.0 m)	6' (1.8 m)	6" (150 mm)	6" (150 mm)				
7' (2.0 m)	12' (3.5 m)	8" (200 mm)	8" (200 mm)				

DETAIL "C"

NOT TO SCALE

NOTES:

1. WHERE THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF EXISTING OR PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH SIDEWALK, THE TOP SLAB OF THE BASIN MAY BE POURED EITHER MONOLITHIC WITH THE SIDEWALK OR SEPARATELY, USING THE SAME CLASS OF CONCRETE AS IN THE BASIN. WHEN POURED MONOLITHICALLY, THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A 1" (25 mm) DEEP SAWCUT CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE CATCH BASIN WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE BASIN.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. FLOOR OF BASIN SHALL BE GRADED TO HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8%, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
4. DIMENSIONS:

   B = 3'-2"
   V = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET = 4.5'.

   V_U = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT AT THE UPSTREAM END OF THE BASIN, AND SHALL BE DETERMINED BY THE REQUIREMENTS OF NOTE 3, BUT SHALL NOT BE LESS THAN CURB FACE PLUS 12" (300 mm).

   V_I = THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE INLET, NOTED ON THE PLANS.

   ⚠ H = TYPICALLY 8"; VERIFY IN THE FIELD

   W = NOTED ON THE PLANS.

   A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
5. PLACE CONNECTOR PIPES AS INDICATED ON THE PLANS. UNLESS OTHERWISE SPECIFIED, THE CONNECTOR PIPE SHALL BE LOCATED AT THE DOWNSTREAM END OF THE BASIN. WHERE THE CONNECTOR PIPE IS SHOWN AT A CORNER, THE CENTERLINE OF THE PIPE SHALL INTERSECT THE INSIDE CORNER OF THE BASIN. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3" (80 mm) PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3" (75 mm) RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CATCH BASIN CONNECTION SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70° OR GREATER THAN 110°, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CATCH BASIN CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CATCH BASIN CONNECTIONS MAY BE CONSTRUCTED TO AVOID CUTTING STANDARD LENGTHS OF PIPE.
6. STEPS SHALL BE LOCATED AS SHOWN. IF THE CONNECTOR PIPE INTERFERES WITH THE STEPS, THEY SHALL BE LOCATED AT THE CENTERLINE OF THE DOWNSTREAM END WALL. STEPS SHALL BE SPACED 12" (300 mm) APART. THE TOP STEP SHALL BE 7" (175 mm) BELOW THE TOP OF THE MANHOLE AND PROJECT 2-1/2" (65 mm). ALL OTHER STEPS SHALL PROJECT 5" (130 mm).
7. DOWELS ARE REQUIRED AT EACH CORNER AND AT 7' (2 m) ON CENTER (MAXIMUM) ALONG THE BACKWALL.
8. THE FOLLOWING SPPWC ARE INCORPORATED HEREIN:

   308 MONOLITHIC CATCH BASIN CONNECTION
   309 CATCH BASIN REINFORCEMENT
   310 CATCH BASIN FACE PLATE ASSEMBLY AND PROTECTION BAR
   312 CATCH BASIN MANHOLE FRAME AND COVER
   635 STEEL STEP
   636 POLYPROPYLENE PLASTIC STEP

⚠ 9. CONTRACTOR SHALL COOPERATE WITH THE CITY TO MAKE MODIFICATIONS TO THE STORM DRAIN & INFILTRATION SYSTEMS TO REDUCE DEPTH AS MAY BE REQUESTED BY CITY.

ACCEPTED BY:

BY: _____ DATE: _____
P. W. DIRECTOR

RECOMMENDED

BY: _____ DATE: _____
RENE GUERRERO, P.E., CITY ENGINEER RCE NO. 66263

CITY OF POMONA

PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

MAJOR STREET REHABILITATION FY 13/14-15/16

DETAILS

DIG ALERT

CALL BEFORE YOU DIG 811

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE TWO WORKING DAYS BEFORE YOU DIG

811

CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

CENTERLINE NOTE: ALL CENTERLINES SHOWN ON THESE PLANS ARE CONSTRUCTION CENTERLINES AND ARE FOR CONSTRUCTION PURPOSES ONLY.

STATIONING NOTE: ALL PLAN STATIONING IS APPROXIMATE IN NATURE. CONTRACTOR SHALL FIELD VERIFY LOCATION & LIMITS OF ALL WORK ITEMS WITH CITY INSPECTOR PRIOR TO INITIATING ANY WORK

RIGHT OF WAY (R/W): LINEWORK IS BASED ON CITY PROVIDED GIS LINEWORK AND NOT PER RECORD INFORMATION. R/W LINE SHOWN FOR GENERAL LIMITS OF WORK ONLY. ALL WORK IS WITHIN EXISTING RIGHT-OF-WAY.

RKA CONSULTING GROUP
398 S. LEMON CREEK DRIVE · SUITE E · WALNUT · CA · 91789
(909) 594-9702 · FAX (909) 594-2658
WWW.RKAGROUP.COM

REGISTERED PROFESSIONAL ENGINEER · KURT R. PEDERSEN · NO. 69745 · CIVIL · STATE OF CALIFORNIA

KURT R. PEDERSEN RCE 69745 02/08/2016 DATE

REVISIONS			
REV	DESCRIPTION	DATE	BY
⚠	ADDENDUM NO. 2 REVISIONS	2/22/16	ML
△			
△			
△			
△			
△			

SCALE		SHEET
AS SHOWN	DESIGNED: _____	6
	DRAWN: _____	OF
	CHECKED: _____	6
	REVIEWED: _____	
	REVIEW – CONST: _____	
	REVIEW – TRAFFIC: _____	

LAST REVISION ON: 2/29/2016 1:43:40 PM bebber
PRINT DATE: 2/29/16
PLAN SET:
JOB NO.: 156084
DRAWING NAME: X:\ACAD\156084 - STREET REHAB CIP 428-67912 ADA PATH OF TRAVEL\TEMP\14-21-CONSTRUCTION PLAN - STANDARD\SHEETS\SHEET6_DET1A13.DWG
DESIGNED BY:
DRAWN BY:
REVIEWED BY: