

COUNTY OF VENTURA PUBLIC WORKS AGENCY VENTURA COUNTY WATERSHED PROTECTION DISTRICT ZONE #2 BALBOA STREET PERVIOUS BUS STOP REPLACEMENT

INDEX TO SHEETS

SHEET NO.	TITLE
1.	GENERAL PLAN
2.	PLAN & DETAIL

GENERAL NOTES

- ELEVATIONS SHOWN ARE IN US FEET, NORTH AMERICAN VERTICAL DATUM OF 1988.
- STATIONS SHOWN ON DRAWINGS ARE ALONG CENTERLINE OF STRUCTURE.
- NUMBERS IN \square INDICATE QUOTE ITEMS UNDER WHICH PAYMENT WILL BE MADE.
- LETTERS AND NUMBERS IN \ominus INDICATE THE DETAIL CALL-OUT AND SHEET ON WHICH REFERENCE DETAIL IS SHOWN.
- NUMBERS IN \triangle REFER TO NOTES ON THE SAME SHEET UNLESS OTHERWISE NOTED.
- TOPOGRAPHY AND CROSS SECTIONS FOR THIS PROJECT WERE TAKEN FROM SURVEYS PERFORMED IN 11/2014.
- SOIL TEST BORINGS FOR THE PROJECT WERE MADE IN MAY 2014, AND THEIR LOCATION IS MARKED BY THE SYMBOL \bullet . SUBSURFACE SOIL INVESTIGATION RESULTS ARE FURNISHED FOR INFORMATION ONLY, IN ACCORDANCE WITH SUBSECTION 2-7 OF THE STANDARD SPECIFICATIONS, AND NO WARRANTY IS MADE THEREFOR.
- EXISTING IMPROVEMENTS WITHIN THE RIGHT OF WAY AND WORK AREAS SHALL REMAIN AND SHALL BE PROTECTED UNLESS OTHERWISE NOTED. DAMAGED IMPROVEMENTS SHALL BE REPLACED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
- UTILITIES ARE SHOWN AS KNOWN TO EXIST AT TIME OF SURVEY. UTILITIES MAY HAVE BEEN OMITTED, MISPLACED, AND/OR RELOCATED. CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION AND SHALL PROTECT ALL UTILITIES.
- SYMBOL \blacktriangle INDICATES THE LOCATION OF THE HORIZONTAL AND VERTICAL CONTROL POINTS WHICH WILL BE FURNISHED BY THE AGENCY FOR THE CONTRACTOR'S USE.

COUNTY OF VENTURA BENCH MARK 111-4 (1986) ELEV.=105.517
 VENTURA COUNTY BRASS DISK 0.5 MILE NORTHERLY ALONG ROSE AVENUE FROM ITS INTERSECTION WITH ORANGE DRIVE, 97.0 FEET WESTERLY FROM THE CENTER OF ROSE AVENUE AT THE ENTRANCE TO THE UNITED WATER CONSERVATION DISTRICT YARD, IN THE CONCRETE FOUNDATION OF A CHAIN LINK FENCE.

SURVEY CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
38	20923.223	19842.705	93.819	MAG NAIL & WASHER
46	20700.304	19672.402	93.445	SCRBX@HEL SAM AVE
43	20945.117	19887.026	93.950	LT&T VENT.CO.

- SEWER ELEVATIONS AND GAS LINE LOCATIONS ARE FROM COUNTY RECORD DRAWINGS DATED 3/10.
- CONTRACTOR SHALL NOTIFY UTILITY OWNERS A MINIMUM OF 48 HOURS PRIOR TO STARTING WORK IN AREAS AFFECTING THEIR FACILITIES:

THE RIO PLAZA WATER COMPANY	TEL. NO. (805) 525-4200	FRANK BROMMENSCHENKEL
MUTUAL WATER COMPANY OF VINEYARD AVE ESTATES	TEL. NO. (805) 485-8449	JIM BURKE
SOUTHERN CALIFORNIA EDISON CO.	TEL. NO. (714) 796-9932	KIM GURULE
SOUTHERN CALIFORNIA GAS CO.	TEL. NO. (818) 701-4516	P.J. MARTIN
COUNTY OF VENTURA WATER & SANITATION DISTRICT (SEWER ONLY)	TEL. NO. (805) 378-3000	
TIME WARNER CABLE	TEL. NO. (818) 700-5910	LISA POWERS

UNDERGROUND SERVICE ALERT

1-800-422-4133

CALL USA/SC

FOR UNDERGROUND LOCATION

2 WORKING DAYS BEFORE YOU DIG



GENERAL PLAN

200 100 0 200 400
SCALE OF FEET

RECORD DRAWING	
DATE PROJECT COMPLETED	12/9/2016
REVISIONS SUBMITTED BY	N/A
DRAWING REVISED BY	N/A
APPROVED BY	D. KIRBY, DATE 1/13/17



SAVE DATE: 9/28/16 KIRBY, DAVID K:\PROJECTS\ZONE2\MU\TRENDS\BMP\40580_PANEL_REPLACE_BALBOA_BUS_STOP\DESIGN\DESIGNDRAWINGS\90_PERCENT_PLANS\SHT-01.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

DEPUTY DIRECTOR: *Frank Brommenschinkel* 10/16
 DISTRICT SUPERVISOR: *David Kirby* 10/16
 AGENCY DIRECTOR: *David Kirby* 10/16

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

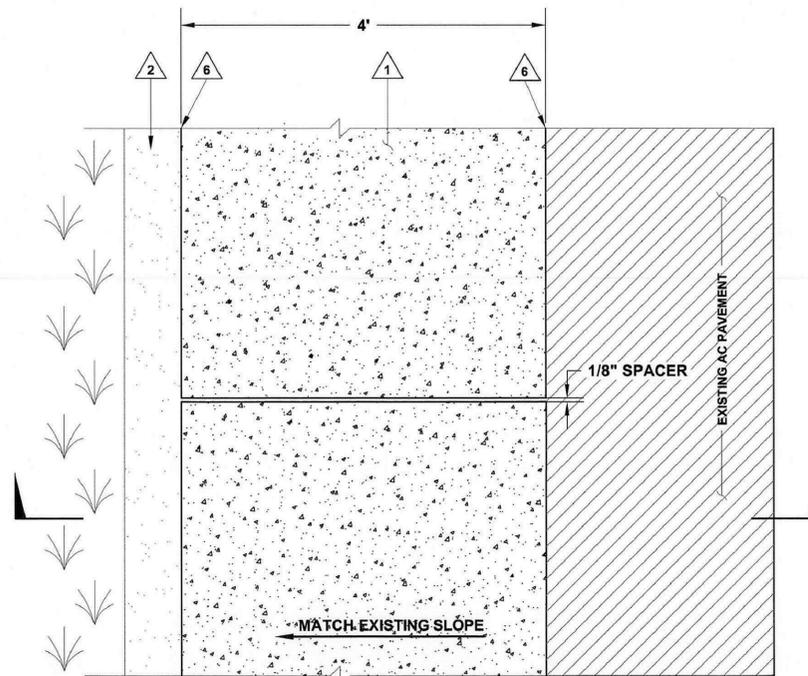
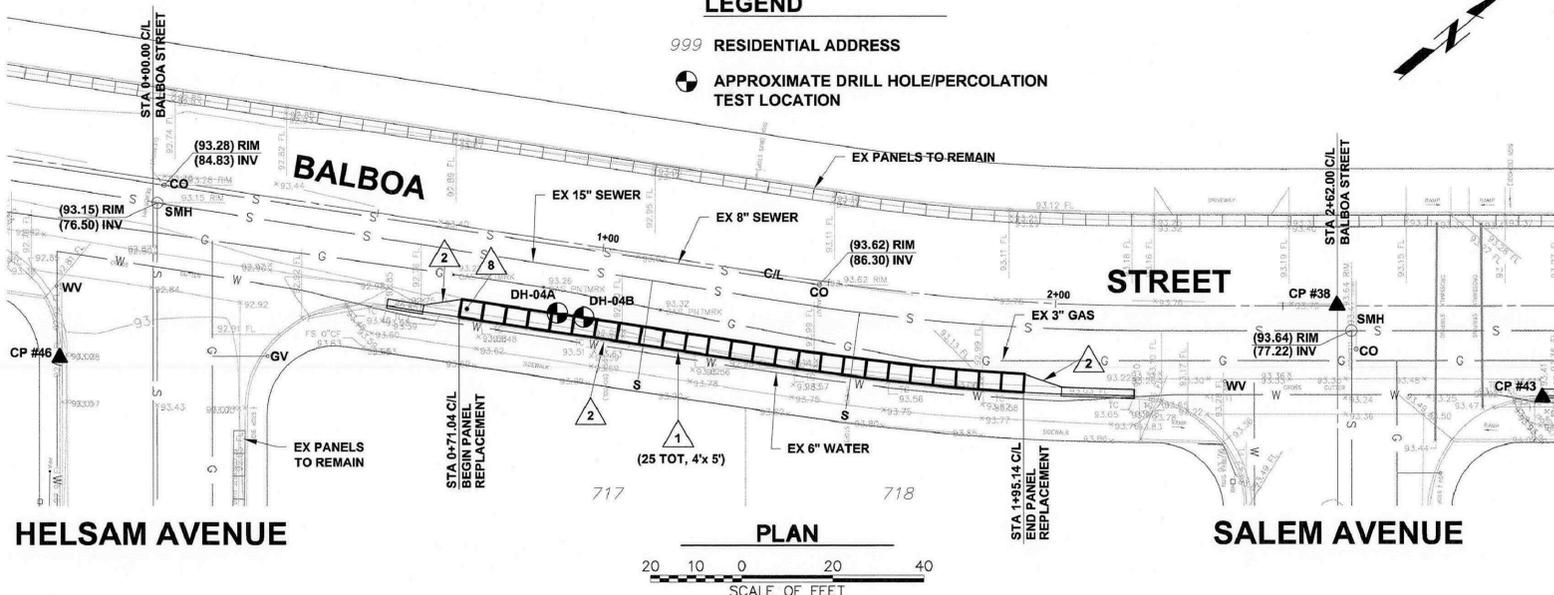
SPEC. NO.
WP17-06(N)
PROJ. NO.
40560

BALBOA STREET PERVIOUS BUS STOP REPLACEMENT
GENERAL PLAN

SHEET 1
OF 2
DRAWING NO.
Y-2-3919

LEGEND

- 999 RESIDENTIAL ADDRESS
- APPROXIMATE DRILL HOLE/PERCOLATION TEST LOCATION



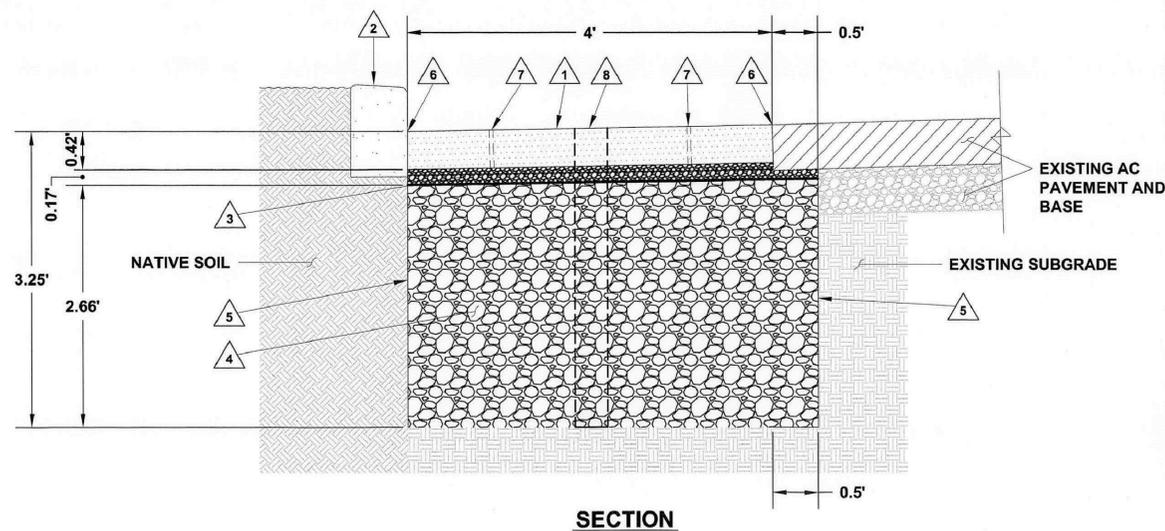
PERVIOUS CONCRETE PANEL REPLACEMENT PROCEDURE

- CUT SEALANT AROUND OBSERVATION WELL LID. RETAIN LID AND PROVIDE TO AGENCY.
- REMOVE AND DISCARD CAPS COVERING LIFTING POINTS IN PANELS. MANUFACTURER TO SUPPLY NEW PLUGS WITH REPLACEMENT PANELS.
- USING MANUFACTURER SUPPLIED LIFTING SWIVELS REMOVE EXISTING PANELS. CARE SHALL BE TAKEN TO PREVENT ANY UPLIFT OR DAMAGE TO ADJACENT IMPROVEMENTS SUCH AS ASPHALT SURFACES, CURB AND GUTTER TRANSITIONS.
- CONTRACTOR SHALL STACK (PER MANUFACTURER RECOMMENDATIONS) REMOVED PANELS DETERMINED TO BE IN GOOD CONDITION BY AGENCY INSPECTOR AND TRANSPORT THEM TO AGENCY STORAGE LOCATION IDENTIFIED IN SPECIFICATIONS. PROPERLY DISPOSE OF PANELS NOT CHOSEN FOR STORAGE.
- REMOVE AND DISCARD ANY EXISTING EXPANSION JOINT MATERIAL. TAKE CARE TO PROTECT EXPOSED ASPHALT EDGE DURING SUBSEQUENT STEPS. ANY ASPHALT REPAIRS MAY REQUIRE SAWCUT, REMOVAL AND REPLACEMENT WIDE ENOUGH TO ACCOMMODATE VIBRATORY ROLLER AT AGENCY DISCRETION.
- EXCAVATE, REMOVE AND DISPOSE OF ABOUT 6 INCHES OF EXISTING LEVELING AND RESERVOIR COURSE.
- CUT AND REMOVE ANY DAMAGED 30 MIL PVC IMPERMEABLE LINER ON TRENCH WALLS. USING MANUFACTURER RECOMMENDED PINS INSTALL NEW LINER OVERLAPPING EXISTING LINER BY 6 INCHES.
- COMPACT RESERVOIR COURSE WITH VIBRATORY PLATE COMPACTOR UNTIL SETTLEMENT ISN'T OBSERVED.
- CUT OBSERVATION WELL PIPE TO TOP OF RESERVOIR COURSE AND CAP.
- RAKE FINISH EXCAVATED AREA TO PREPARE IT FOR GEOGRID AND LEVELING COURSE.
- INSTALL SC18 BIAXIAL GEOGRID OVER RESERVOIR COURSE FROM TRENCH WALL TO WALL. ANY GEOGRID OVERLAPS SHALL BE 4 INCHES.
- BACKFILL AS NEEDED NO. 67 (3/8-INCH) WASHED CRUSHED STONE TO ACHIEVE A SMOOTH SURFACE AND ELEVATION APPROPRIATE FOR PANEL PLACEMENT THAT MATCHES EXISTING SLOPES.
- USING MASONRY NAILS ATTACH EXPANSION JOINT MATERIAL TO ROADWAY SIDE OF PANELS.
- USING A SCREED THAT IS EQUAL TO THE PANEL WIDTH AND USES THE EXISTING ASPHALT SURFACE AND CONCRETE CURB AS REFERENCE POINTS, LEVEL THE AREA FOR ANY PANEL IMMEDIATELY PRIOR TO PLACEMENT OF SAID PANEL.
- USING A CONCRETE CUTOFF SAW TRIM WIDTHS AND LENGTHS OF PANELS AS NEEDED TO ACHIEVE REQUIRED RADII AND FIT BETWEEN EXISTING CURB AND ASPHALT. CARE SHOULD BE TAKEN TO PREVENT DUST FROM SETTLING ON PANEL SURFACES WHILE CUTTING.
- INSTALL THE REPLACEMENT PANEL INTO THE PREPARED EXCAVATION BEING CAREFUL TO POSITION THE PANEL AND EXPANSION JOINT MATERIAL AGAINST THE ASPHALT AS CLOSELY AS POSSIBLE.
- PLACE MANUFACTURER PROVIDED 1/8-INCH SPACERS BETWEEN ADJACENT PANELS. SPACERS SHOULD NOT EXTEND ABOVE PANEL SURFACE.
- PLACE FOAM BACKER ROD OF REQUIRED DIMENSION BETWEEN REPLACED PANEL AND EXISTING CURB WITH THE TOP OF THE BACKER ROD 1/2-INCH BELOW THE SURFACE. APPLY SIKAFLEX 1-A OVER BACKER ROD TO ACHIEVE A SMOOTH FINISH AT GRADE LEVEL.
- PLACE MANUFACTURER SUPPLIED CAPS IN ALL LIFTER POINTS.

NOTES

- 1 REPLACE EXISTING PERVIOUS CONCRETE PANELS (4'X5'X5") WITH SC-C PRECAST PERVIOUS CONCRETE PANELS (4'X5'X9") PER SPECIFICATIONS. REFER TO DETAIL 1 HEREON FOR THE EXISTING CONDITION. FOLLOW PERVIOUS CONCRETE PANEL REPLACEMENT PROCEDURE HEREON.
- 2 PROTECT IN PLACE EXISTING CURB, GUTTER, AND GUTTER TRANSITION.
- 3 NO. 67 (3/8-INCH) WASHED CRUSHED STONE LEVELING COURSE.
- 4 NO. 4 (3/4-INCH) WASHED CRUSHED STONE RESERVOIR COURSE.
- 5 30 MIL PVC IMPERMEABLE LINER.
- 6 1/2-INCH THICK PRE-MOLDED EXPANSION JOINT FILLER.
- 7 PERMANENT LIFTING POINT (TYP) WITH PLUG. 4 PER PANEL.
- 8 4-INCH DIAMETER PERFORATED PIPE OBSERVATION WELL. PIPE EXTERIOR COVERED WITH A FILTER FABRIC SOCK AND ANCHORED WITH METAL PLATE AT THE BOTTOM OF TRENCH. WELL HAS ZURN LID WITH VANDAL PROOF SCREWS.

PLAN VIEW



EXISTING PERVIOUS CONCRETE PANEL IMPROVEMENTS

SCALE: 1" = 1'

1

SAVE DATE: 10/4/16 KIRBY, DAVID K:\PROJECTS\ZONE2\MULTIBENEFIT\RMP\S\40560_PANEL_REPLACE_BALBOA_BUS_STOP\DESIGN\DRAWINGS\90_PERCENT_PLANS\917-02.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

DK DESIGNED	10/4/16 DATE
DK DRAWN	10/4/16 DATE
PAS CHECKED	10/6/16 DATE

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.	WP17-06(N)
PROJ. NO.	40560

BALBOA STREET PERVIOUS BUS STOP REPLACEMENT

PLAN & DETAIL

SHEET	2
OF	2
DRAWING NO.	Y-2-3920

RECORD DRAWING

DATE PROJECT COMPLETED 12/9/2016

REVISIONS SUBMITTED BY N/A

DRAWING REVISED BY N/A

APPROVED BY D. KIRBY DATE 1/13/17

