Do NOT Remove

[redacted]

OC PUBLIC WORKS

"AS Built PLANS"

SANTA ANA, CALIFORNIA

SHANE L. SILSBY, DIRECTOR

PLANS FOR CONSTRUCTION OF

GILBERT STREET IMPROVEMENTS

FROM

300 FT SOUTH OF KATELLA AVENUE

TO

BALL ROAD

W.O. NO. ER09017

SEPTEMBER 2014

VICINITY MAP
(NOT TO SCALE)

LOCATION MAP
(NOT TO SCALE)

MAINTAINED BY: COUNTY OF ORANGE, CITY OF ANAHEIM, GARDEN GROVE, AND STANTON MAINTAIN IMPROVEMENTS WITHIN THEIR JURISDICTIONS

FUNDED BY: OC ROAD FUND, STATE FUND:SR2SL-5955(083), AND FEDERAL FUND: HSIPL-5955 (086)

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SHEET SYMBOLS

GN = GENERAL NOTES
SC = SURVEY CONTROL
XS = ROAD TYPICAL CROSS SECTIONS
CD = CIVIL DETAILS
RD = ROAD PLANS
RP = ROAD PROFILE
UT = UTILITY PLAN
SS = SIGNING AND STRIPING
TH = TRAFFIC HANDLING
TS = TRAFFIC SIGNALS
LS = LIGHT SYSTEMS
DD = DRAINAGE DETAILS

UTILITY OWNER	PHONE NO.	CONTACT
-AT&T	714-666-5508	MIKE BALDAO
-CITY OF ANAHEIM PUBLIC UTILITIES		
ELECTRIC	714-765-4221	JOE ORONA
WATER	714-765-4298	SARA MATHIS
-CITY OF ANAHEIM SEWER & STORM DRAIN	714-765-5065	RUDY EMAMI
-TIME WARNER CABLE	714-903-8446	DAVE DOLNEY
-SOUTHERN CALIFORNIA EDISON COMPANY	714-870-3219	LARRY METOYER
-SOUTHERN CALIFORNIA GAS COMPANY	714-634-3039	DON AMADOR
-GARDEN GROVE SANITARY DISTRICT	714-741-5534	SAM KIM
-COLONIA MUTUAL WATER CO, INC.	714-995-3498	RACHEL GONZALES
-UNDERGROUOND SERVICE ALERT	800-422-4133	N/A

DEVIATIONS FROM STANDARDS:

ORANGE COUNTY HIGHWAY DESIGN MANUAL,

CHAPTER 300
- TOPIC 301.1, PAVEMENT WIDTH AND OCPW STD PLAN 1105 CROSS SECTION

- TOPIC 301.2, CROSSFALL MORE THAN 1.7% DUE TO EXISTING CONDITIONS

CHAPTER 400
- TOPIC 405.2, LEFT-TURN STORAGE LENGTH LESS THAN 100'

APPROVED: Kevin Onuma 7/8/14 DATE

BENCH MARK:
O.C.S. BM. #18-91-82
ELEV. = 84.838'
LEVELED 2005
O.C.S. BM. #10-140-69
ELEV. = 82.162'
LEVELED 2005
NGVD 1929
(1995 O.C.S. ADJUSTMENT)

BASIS OF BEARINGS:
THE BASIS OF BEARINGS HEREON IS THE GRID INVERSE BETWEEN OCS GPS STATIONS #3006 AND #3004, BEING N 00°46'52" E.

CITY APPROVALS

APPROVED: Sara Mathis 7-7-14
CITY OF ANAHEIM DATE

APPROVED: 7/7/14
CITY OF STANTON DATE

APPROVED: 7-7-14
CITY OF GARDEN GROVE DATE

OC PUBLIC WORKS

SUBMITTED: 6/30/14
JOE SARMIENTO, P.E.
ACTING MANAGER
OC INFRASTRUCTURE PROGRAMS/ ROAD/ CAPITAL PROJECTS
DATE

RECOMMENDED: 7/7/14
ISAAC ALONSO RICE, P.E., T.E.
COUNTY TRAFFIC ENGINEER
OC INFRASTRUCTURE PROGRAMS/ ROAD/ TRAFFIC
DATE

APPROVED: Kevin Onuma 7/8/14
KEVIN ONUMA, P.E.
DEPUTY DIRECTOR, OC PUBLIC WORKS
OC INFRASTRUCTURE PROGRAMS MANAGER
DATE

PREPARED BY

PSOMAS
3 HUTTON CENTRE DRIVE, SUITE 200
SANTA ANA, CA 92707
TEL (714) 751 7373
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REGISTERED PROFESSIONAL ENGINEER ANISSA VOYTAZES No. 57710 Exp. 12/31/14 STATE OF CALIFORNIA CIVIL

PREPARED UNDER RESPONSIBLE CHARGE OF:

ANISSA VOYTAZES, PE # 57710 — 04/30/2014 DATE

NO.	DESCRIPTION	SHT.	APPROVED	DATE

REVISIONS

W. O. NO. ER09017
DWG. NO.

SHEET 1 OF 72

DATE PLOTTED : 06/26/2014

FILE NAME: M:\20R030905\TRANSP\SHEETS\YB-01.dgn

GENERAL NOTES

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THIS PLAN BY THE COUNTY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR THE COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.

2. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS.

3. PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA, EXISTING SURVEY WELL MONUMENTS [INCLUDING CENTERLINE TIES] SHALL BE NOTED AND DOCUMENTED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IF MONUMENTS ARE DISTURBED OR DESTROYED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING SUCH MONUMENTS.

4. THE CONTRACTOR SHALL USE PROPER SAFETY SIGNINGS AND BARRICADING AS REQUIRED PER CA MUTCD 2012 EDITION.

5. THE FIRST COAT OF STRIPING AND PAVEMENT MARKINGS SHALL BE APPLIED THE SAME DAY FOLLOWING THE PLACEMENT OF THE ASPHALT CONCRETE. THE SECOND COAT SHALL BE APPLIED NO SOONER THAN (7) SEVEN CALENDAR DAYS OR LATER THAN (14) FOURTEEN CALENDAR DAYS AFTER THE FIRST COAT.

6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE LATEST EDITION STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION, THE LATEST VERSION OF THE ORANGE COUNTY OCPW STANDARD PLANS AND IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, ALL TO THE SATISFACTION OF THE COUNTY ENGINEER.

7. WORK SHOWN OR INDICATED ON THESE PLANS, OR CALLED FOR IN THE SPECIFICATIONS, BUT NOT INCLUDED AS PAY QUANTITY ITEMS, SHALL BE CONSIDERED INCIDENTAL WORK, THE COST OF WHICH SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR PAY QUANTITY ITEMS.

8. ESTIMATE OF QUANTITIES IN THE BID SCHEDULE IS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING QUANTITIES AND CONDITIONS AT THE SITE.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES, PAVEMENT, CURBS, TRAFFIC STRIPING AND MARKINGS, TRAFFIC SIGNAL EQUIPMENT (INCLUDING DETECTOR LOOPS), STRUCTURES, TREES, LANDSCAPING, AND IRRIGATION SYSTEMS, AS A RESULT OF CONTRACTOR'S OPERATIONS AND WILL BE REQUIRED TO REPAIR, REMODEL OR REPLACE SAME TO THE SATISFACTION OF, AND AS DIRECTED BY, THE ENGINEER OR UTILITY COMPANY.

10. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL UTILITY COMPANIES A MINIMUM OF 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL THE PHASES OF CONSTRUCTION WITH THE VARIOUS UTILITY COMPANIES INVOLVED.

11. THE WORK SITE AND EXTERIOR STREETS SHALL BE MAINTAINED IN A NEAT, CLEAN, HAZARD FREE, ORDERLY STATE, THROUGHOUT THE CONSTRUCTION PERIOD. CONTRACTOR SHALL SWEEP THE ENTIRE LENGTH AFFECTED STREETS WITH A VACUUM/BRUSH TYPE SWEEPER PRIOR TO LEAVING THE AREA FOR THE DAY FOR THE ENTIRE DURATION OF THE PROJECT. SITE SHALL ALSO BE CLEANED UPON REQUEST OF THE INSPECTOR. THE CONTRACTOR SHALL IMMEDIATELY HAUL AWAY AND DISPOSE OF, OFF THE PROJECT SITE, ALL EXCESS EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS. ALL DISPOSALS SHALL BE AT THE CONTRACTOR'S EXPENSE.

12. CONTRACTOR SHALL NOTIFY THE FIRE AND POLICE DEPARTMENTS 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

13. THE CONTRACTOR SHALL HAVE COPIES OF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE SITE AT ALL TIMES, AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.

14. THE CONTRACTOR SHALL CONDUCT CONSTRUCTION OPERATIONS IN SUCH A MANNER THAT STORM OR OTHER WATERS MAY PROCEED UNINTERRUPTED ALONG THE STREET OR DRAINAGE COURSES. ALL STORM DRAIN INLETS IN THE PROJECT AREA SHALL BE PROTECTED USING GRAVEL BAGS AND FABRIC PER THE COUNTY INSPECTOR.

15. LOCATION OF REMOVALS AND WIDTHS OF REMOVALS INDICATE SCOPE OF WORK AND ARE APPROXIMATE ONLY. ACTUAL REMOVALS SHALL BE COORDINATED WITH THE ENGINEER IN THE FIELD.

16. ALL EXISTING IMPROVEMENTS INCLUDING CURB AND GUTTERS, SIDEWALKS, ASPHALT CONCRETE OR PCC PAVING WHICH ARE BEING JOINED, OR MATCHED IN CONNECTION WITH THE PROJECT, SHALL BE JOINED, OR MATCHED IN A MANNER SATISFACTORY TO THE COUNTY ENGINEER, INCLUDING NECESSARY SAW CUTTING, REMOVAL, OR CAPPING. THE CONTRACTOR SHALL FOLLOW THE COUNTY'S STANDARD ENCROACHMENT CONDITIONS.

17. ALL WATER RELATED WORK SHALL BE CONSTRUCTED PER CITY OF ANAHEIM WATER STANDARDS.

18. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. REVISIONS SHALL NOT BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

19. THE CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT FROM THE CITIES OF ANAHEIM, STANTON, AND GARDEN GROVE FOR THE CONSTRUCTION OF THIS PROJECT FOR WORK WITHIN THEIR RIGHT OF WAY. AS PART OF THAT PERMIT, THE CONTRACTOR WILL BE REQUIRED TO ADHERE TO THE STANDARD ENCROACHMENT CONDITIONS INCLUDED IN THE SPECIFICATIONS OR PROVIDED AT THE TIME OF PERMIT ISSUANCE. IF APPLICABLE, THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH THE PACIFIC UNION RAILROAD COMPANY ENCROACHMENT PERMIT REQUIRED FOR THE PROJECT.

20. AT NO TIME IS ANY BUSINESS OR RESIDENCE TO BE WITHOUT ACCESS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

21. THE CONTRACTOR SHALL NOTIFY THE COUNTY OF ORANGE INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION.

CAUTION NOTE TO CONTRACTOR

CONTRACTOR TO CONDUCT VARIOUS WORK OPERATIONS IN THE VICINITY OF SEVERAL BELOW AND ABOVE GROUND UTILITIES. CONTRACTOR IS TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO ANY WORK OPERATIONS WITHIN THE PROJECT LIMITS WHICH MAY DISRUPT OR IMPACT ANY OF THE UTILITIES.

SIGNING AND STRIPING GENERAL NOTES

1. CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING, STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING. BLACKING OUT STRIPING WILL NOT BE PERMITTED.

2. INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS (2010) AND THE CALIFORNIA MUTCD (2012).

4. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.

5. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO BE RELOCATED OR TO REMAIN.

6. CONTRACTOR SHALL VERIFY ALL CONTROLLING FEILD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

7. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACURATE FOR PAVEMENT STRIPING AND SIGNING PLANS.

8. PROJECT INFORMATION SIGN PER OCPW STD. PLAN 1418, APPROXIMATE LOCATION SHOWN, EXACT LOCATION TO BE DETERMINED BY CONTRACTOR OR THE ENGINEER.

STORM WATER POLLUTION CONTROL REQUIREMENTS

1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND WILL BE PREVENTED FROM BEING TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.

2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.

3. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL LAW.

4. EXCESS OR WASTE CONCRETE WILL BE PREVENTED FROM BEING WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.

5. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

6. SEDIMENTS AND OTHER MATERIALS WILL BE PREVENTED FROM BEING TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

7. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSIONS BY WIND AND WATER.

8. CONTRACTOR SHALL COMPLY WITH WQMP PREPARED BY THE COUNTY AS PROVIDED IN THE SPECIAL PROVISIONS.

BEST MANAGEMENT PRACTICES

1. THE CONTRACTOR SHALL REDUCE THE DISCHARGE OF POLLUTANTS IN STORM WATER RUNOFF TO THE MAXIMUM EXTENT PRACTICABLE BY THE EFFECTIVE IMPLEMENTATION OF APPROPRIATE BEST MANAGEMENT PRACTICES INCLUDING BUT NOT LIMITED TO:

   A. SPILLS AND LEAKS MUST BE CLEANED UP IMMEDIATELY.
   B. VEHICLES AND EQUIPMENT MUST BE FUELED IN A DESIGNATED AREA.
   C. VEHICLES AND EQUIPMENT MUST BE WASHED AT AN APPROPRIATE OFF SITE FACILITY OR IN A DESIGNATED AREA NOT DRAINING TO THE STREET OR STORM DRAIN SYSTEM.
   D. EXPOSED PILES OF SOIL, DEBRIS AND CONSTRUCTION MATERIALS MUST BE COVERED WITH PLASTIC SHEETING IF RAIN IS PREDICTED.
   E. MATERIALS SHALL NOT BE STORED ON SURFACES THAT DRAIN TO STREETS, STORM DRAINS OR CHANNELS.
   F. CATCH BASINS WITHIN AND DOWNSTREAM OF THE PROJECT AREA MUST BE PROTECTED FROM RUNOFF CONTAINING EXCESSIVE SEDIMENT.
   G. EMPLOYEE AND SUBCONTRACTORS MUST BE TRAINED ABOUT THE CAUSES OF STORM WATER POLLUTION AND PREVENTATIVE MEASURES.

2. STORM OR CONSTRUCTION GENERATED WATER CONTAINING SEDIMENT (SUCH AS CONSTRUCTION WASTE, SOIL, OR SLURRY FROM CONCRETE/ASPHALT CONCRETE SAW CUTTING OPERATIONS; CLEAN UP OF CONCRETE TRANSIT MIXERS OR OTHER POLLUTANTS FROM CONSTRUCTION SITES AND PARKING AREAS) SHALL BE RETAINED OR CONTROLLED ON SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. TEMPORARY SEDIMENT FILTERING SYSTEMS SUCH AS GRAVEL BAGS, SILT FENCES, OR GRAVEL BERMS, SHALL BE UTILIZED TO TRAP SEDIMENT. PROPER CLEAN UP AND DISPOSAL OF SETTLED SEDIMENT AND THE FILTERING SYSTEM SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

4. DISCHARGE OF CONCRETE TRANSIT MIXER WASH WATER ON TO APPROVED DIRT AREAS (FOR EXAMPLE - SUBGRADE AREA DESIGNATED FOR NEW CONCRETE CONSTRUCTION) SHOULD BE IN ACCORDANCE WITH APPROVED SWPPP. DISCHARGE ON TO PRIVATE PROPERTY, PARKWAY AREAS, OR THE STREET IS NOT PERMITTED.

5. PLASTIC OR OTHER IMPERVIOUS COVERING SHALL BE INSTALLED WHERE APPROPRIATE TO PREVENT EROSION OF OTHERWISE UNPROTECTED AREAS, ALONG WITH ANY OTHER RUNOFF CONTROL DEVICES DEEMED APPROPRIATE BY THE ENGINEER.

6. EXCAVATED SOIL STORED ON THE SITE SHALL BE COVERED IN A MANNER THAT MINIMIZES THE AMOUNT OF SEDIMENTS RUNNING INTO THE STORM DRAIN SYSTEM, STREET, OR ADJOINING PROPERTIES.

7. NO WASHING OF CONSTRUCTION OR OTHER INDUSTRIAL VEHICLES AND EQUIPMENT SHALL BE ALLOWED IF SUCH OPERATIONS CONTRIBUTE RUNOFF TO THE STORM DRAINAGE SYSTEM, ADJACENT PROPERTIES, OR PUBLIC RIGHT OF WAYS.

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.

2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION T OF THE SPECIAL PROVISIONS.

3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND RELOCATE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS (SEE SHEET __)

ABBREVIATIONS

ACP	ASBESTOS CEMENT PIPE
BCR	BEGINNING OF CURB RETURN
BOW	BACK OF WALL
C&G	CURB & GUTTER
CCB	CABLE CONTROL BOX
CMWC	COLONIA MUTUAL WATER COMPANY
COA	CITY OF ANAHEIM
COMM	COMMUNICATIONS
COO	COUNTY OF ORANGE
CMU	CONCRETE MASONRY UNIT
DWY	DRIVEWAY
ECB	ELECTRIC CONTROL BOX
ECR	END OF CURB RETURN
ELEC	ELECTRIC
EM	ELECTRIC METER
EMH	ELECTRIC MANHOLE
EX	EXISTING
FH	FIRE HYDRANT
GA	GUY ANCHOR
GV	GAS VALVE
LP	LIGHT POLE
MWD	METROPOLITAN WATER DISTRICT
OCPW	ORANGE COUNTY PUBLIC WORKS
OCSD	ORANGE COUNTY SANITATION DISTRICT
OG	ORIGINAL GROUND
PB	PULL BOX
PG	PROFILE GRADE
PP	POWER POLE
PPB	PEDESTRIAN PUSH BUTTON
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
TCE	TEMPORARY CONSTRUCTION EASEMENT
TS	TRAFFIC SIGNAL
TPB	TRAFFIC SIGNAL PULLBOX
SCE	SOUTHERN CALIFORNIA EDISION
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SMH	SEWER MANHOLE
SC	SEWER CLEANOUT
SSWR	SEWER
STA	STATION
UNK	UNKNOWN
UV	UTILITY VALVE
WCB	WATER CONTROL BOX
WM	WATER METER
WV	WATER VALVE
WVB	WATER VALVE BOX

** NOTE: ALL OTHER ABBREVIATIONS ARE DEFINED IN SECTION 1-3.2 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

LEGEND

- WARM MIX ASPHALT CONCRETE (WMAC)
- CONCRETE
- AGGREGATE BASE
- SUBGRADE
- —85— PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- DRIVEWAY WRAP TO JOIN EXISTING

CONSTRUCTION NOTES

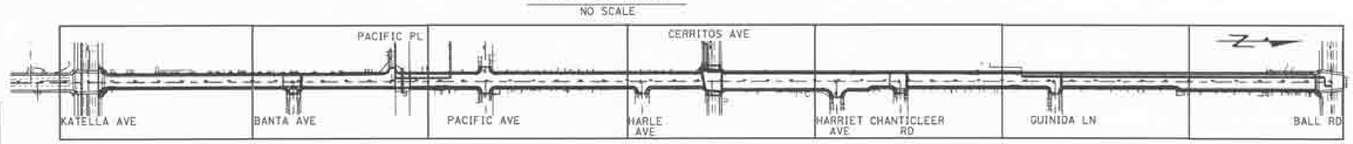
1	CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2	CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3	CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS.)
4A	CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
4B	CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS).
5	REMOVE 7" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 7" WMAC PAVEMENT.
6	REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT.
6A	REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT.
7	CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
8	CONSTRUCT LOCAL DEPRESSION PER OCPW STD PLAN 1308.
9	REMOVE AND RECONSTRUCT 3" PVC CURB DRAIN.
10	CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.
11	CONSTRUCT INLET TYPE II PER OCPW STD PLAN 1302.
12	CONSTRUCT CROSS-GUTTER PER OCPW STD PLAN 122-2-OC.
13	CONSTRUCT TYPE A2-150(8) 8" CURB AND GUTTER PER OCPW STD PLAN 120-1-OC.
14	INSTALL DETECTABLE WARNING SURFACE PER OCPW STD PLAN 1115.
15	CONSTRUCT LONGITUDINAL GUTTER PER OCPW STD PLAN 122-2-OC.

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

- (1) — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
- (2A) — 4" WHITE SOLID LINE WITH TYPE "G" RPM AT THE END PER STD PLAN A20B DETAIL 27B.
- (2B) — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
- (3) — 12" SOLID WHITE CROSSWALK (10' CLEAR) LANE PER OCPW STD PLAN 1416.
- (4) — PAVEMENT MARKING ARROW PER STD PLAN A24A, (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
- (5) — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
- (6) — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
- (7) — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS), MODIFIED WITH MARKERS AT 12-FT ON CENTER.
- (8) — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
- (9) — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
- (10) — BIKE LANE SYMBOL WITH PERSON PER STD PLAN A24C.
- (11) — BIKE LANE ARROW PER STD PLAN A24A.
- (12) — 12" SOLID WHITE LIMIT LINE PER STD PLAN A24E.
- (13) — YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
- (14) — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
- (15) — PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
- (16) — YELLOW CROSSWALK PER OCPW STD PLAN 1416.
- (17) — PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
- (18) — 8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC

INDEX MAP

NO SCALE



KATELLA AVE	BANTA AVE	PACIFIC AVE	HARLE AVE	HARRIET AVE / CHANTICLEER RD	GUINIDA LN	BALL RD
SC-01, RD-01,02, RP-01,02, UT-01, SS-01, TH-06, TH-08	SC-01, RD-03,04, RP-03,04, UT-02, SS-02, LS-01, TH-06, TH-08	SC-02, RD-05,06, RP-05,06, UT-03, SS-03, TH-07, TH-09	SC-02, RD-07,08, RP-07,08, UT-04, SS-04, TS-02, TH-02, TH-04, TH-07, TH-09	SC-02, RD-09,10, RP-09,10, UT-05, SS-05, TS-01, TH-02, TH-04	SC-03, RD-11,12, RP-11,12, UT-06, SS-06, LS-02, TH-03, TH-05	SC-03, RD-13,14, RP-13,14, UT-07, SS-07, TH-03, TH-05

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, REGISTERED PROFESSIONAL ENGINEER, C 61/D5 No. 74529, STATE OF CALIFORNIA — 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALES 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
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TEL: (714) 751-7373
FAX: (714) 545-8883

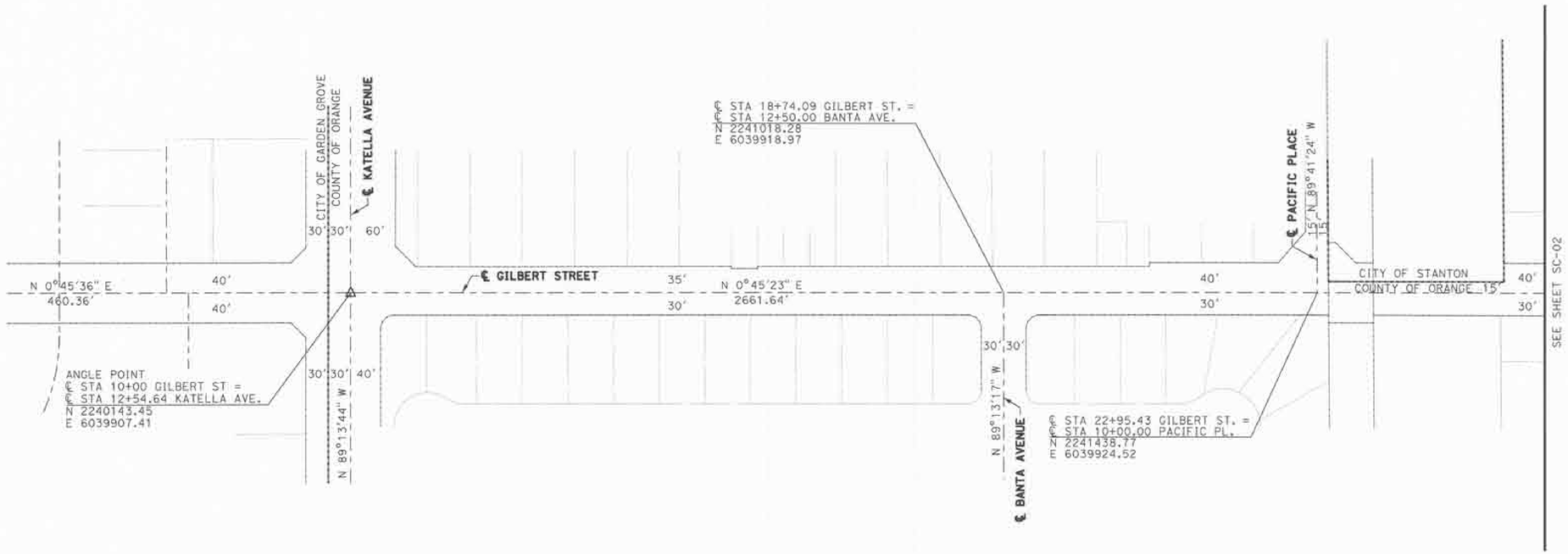
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

NOTES, SYMBOLS, ABBREVIATIONS & LEGEND

Sheet Reference Number

GN-01

M:\2014\03905\TRANSP\SHEETS\TS-02.dgn



BASIS OF BEARINGS:

THE BASIS OF BEARINGS HEREON IS THE GRID INVERSE BETWEEN OCS GPS STATIONS *3006 AND *3004, BEING IN N 00°46'52" E.

NOTES:

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPIC RELATIONSHIPS ONLY AND ARE NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

HORIZONTAL DATUM:

COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 1983 NORTH AMERICAN DATUM (1991.35 EPOCH G.P.S. ADJUSTMENT).

DISTANCES SHOWN ARE GROUND. MULTIPLY GROUND DISTANCES BY 0.99999035 TO OBTAIN GRID DISTANCES.

VERTICLE DATUM:

O.C.S. BM. *1B-91-82	ELEV. = 84.838'	LEVELED 2005
O.C.S. BM. *1G-140-69	ELEV. = 82.162'	LEVELED 2005

NGVD 1929 (1995 O.C.S. ADJUSTMENT)

1" = 80'

80 40 0 80 160

3 inches on original drawing

DIGALERT
CAL. TOLL FREE 811

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

SURVEY CONTROL PLAN

Sheet Reference Number

SC-01

Sheet 03 of 72

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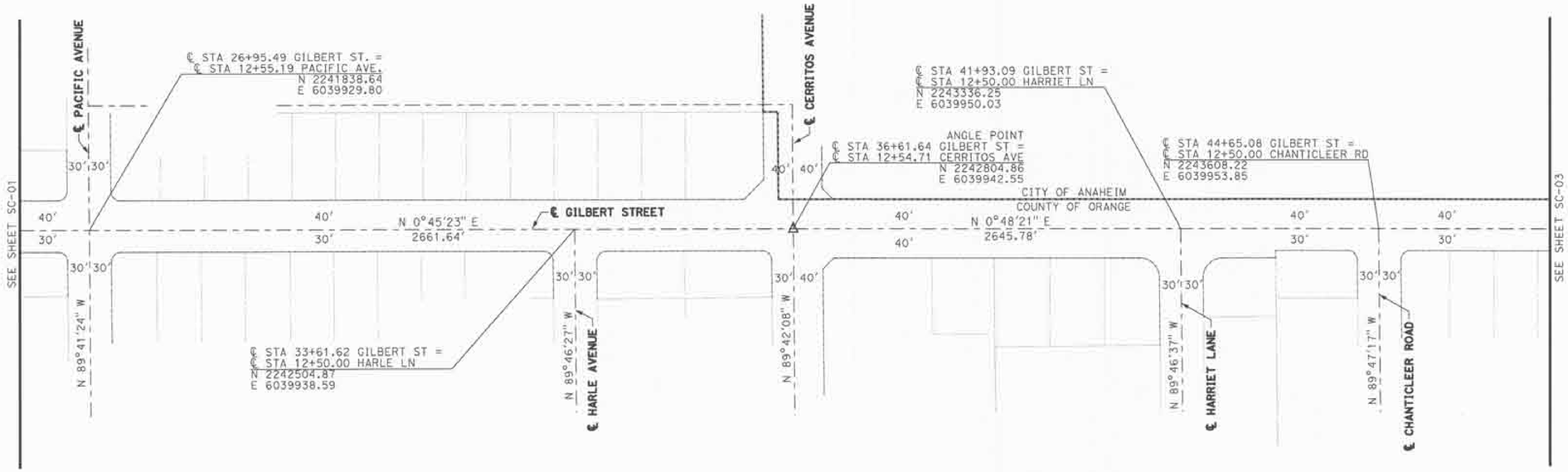

BASIS OF BEARINGS:

THE BASIS OF BEARINGS HEREON IS THE GRID INVERSE BETWEEN OCS GPS STATIONS *3006 AND *3004, BEING IN N 00°46'52" E.

NOTES:

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HORIZONTAL DATUM:

COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 1983 NORTH AMERICAN DATUM (1991.35 EPOCH G.P.S. ADJUSTMENT).

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VERTICLE DATUM:

O.C.S. BM. *1B-91-82	ELEV. = 84.838'	LEVELED 2005
O.C.S. BM. *1G-140-69	ELEV. = 82.162'	LEVELED 2005

NGVD 1929 (1995 O.C.S. ADJUSTMENT)

1" = 80'

80 40 0 80 160

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ANISSA VOYIATZIS — DATE: 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

SURVEY CONTROL PLAN

Sheet Reference Number

SC-02

Sheet 04 of 72

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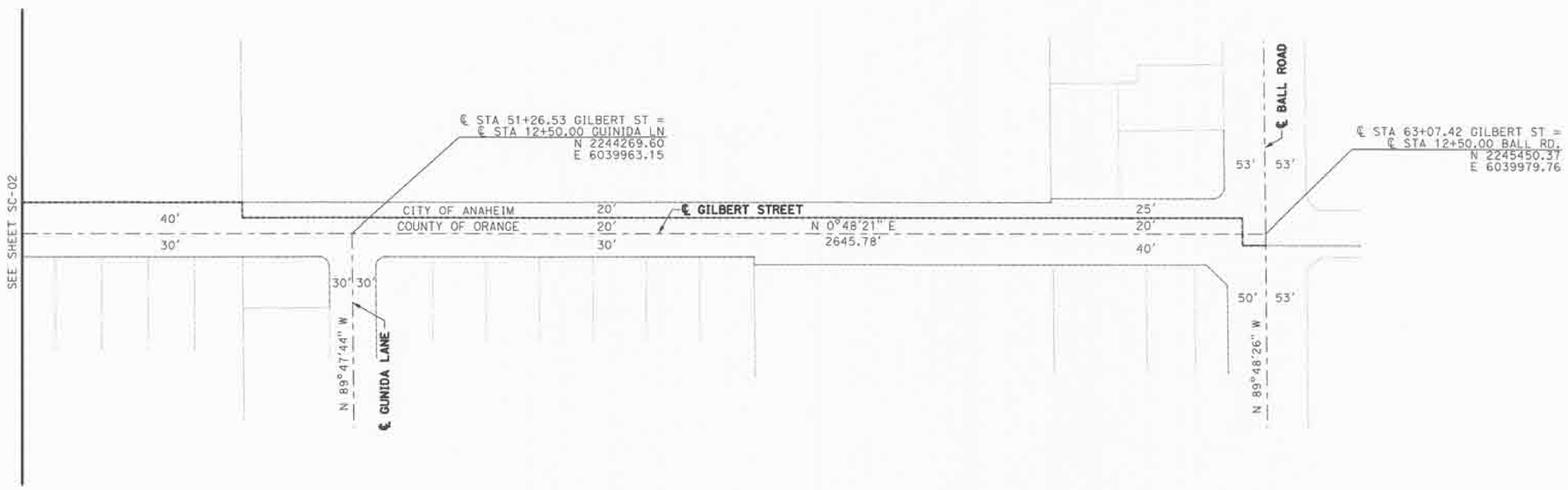

BASIS OF BEARINGS:

THE BASIS OF BEARINGS HEREON IS THE GRID INVERSE BETWEEN OCS GPS STATIONS *3006 AND *3004, BEING IN N 00°46'52" E.

NOTES:

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPIC RELATIONSHIPS ONLY AND ARE NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

HORIZONTAL DATUM:

COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 1983 NORTH AMERICAN DATUM (1991.35 EPOCH G.P.S. ADJUSTMENT).

DISTANCES SHOWN ARE GROUND. MULTIPLY GROUND DISTANCES BY 0.99999035 TO OBTAIN GRID DISTANCES.

VERTICLE DATUM:

O.C.S. BM. *1B-91-82	ELEV. = 84.838'	LEVELED 2005
O.C.S. BM. *1G-140-69	ELEV. = 82.162'	LEVELED 2005

NGVD 1929 (1995 O.C.S. ADJUSTMENT)

1" = 80'

80 40 0 80 160

3 inches on original drawing

DIGALERT

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS

DRAWN BY: V. HELLENS — CHECKED BY: A. VOYIATZES

DRAWING CODE:

FILE NAME:

PLOT DATE: 04/30/2014 — SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

SURVEY CONTROL PLAN

Sheet Reference Number

SC-03

Sheet 05 of 72

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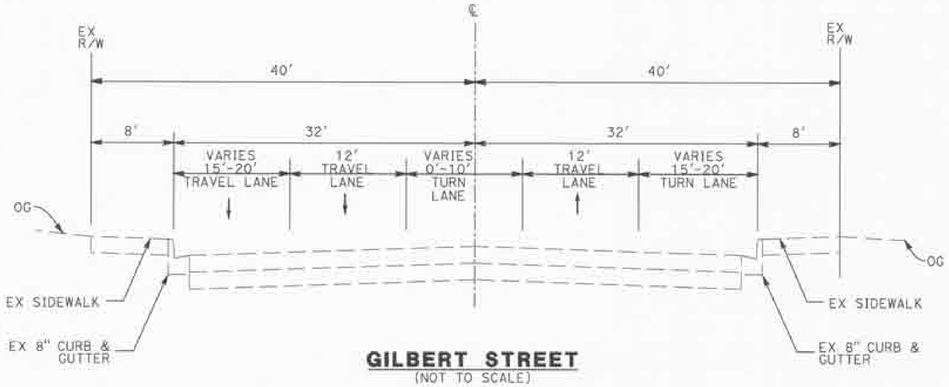
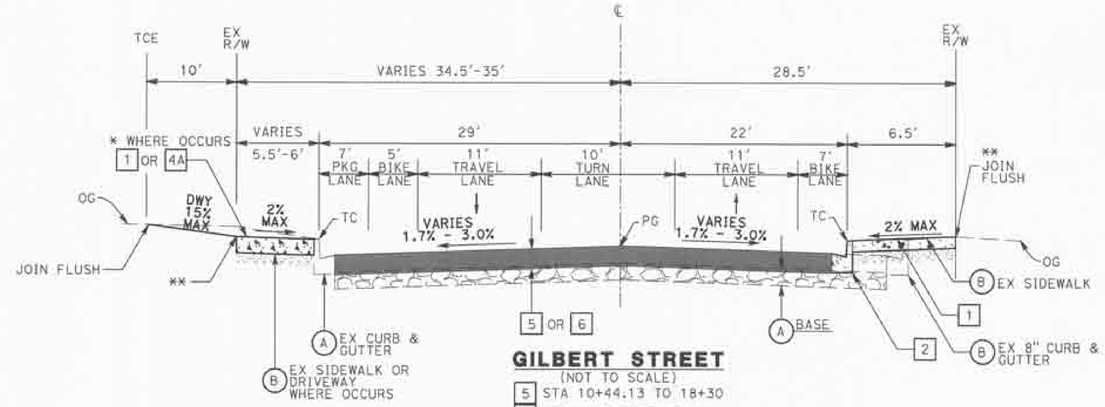
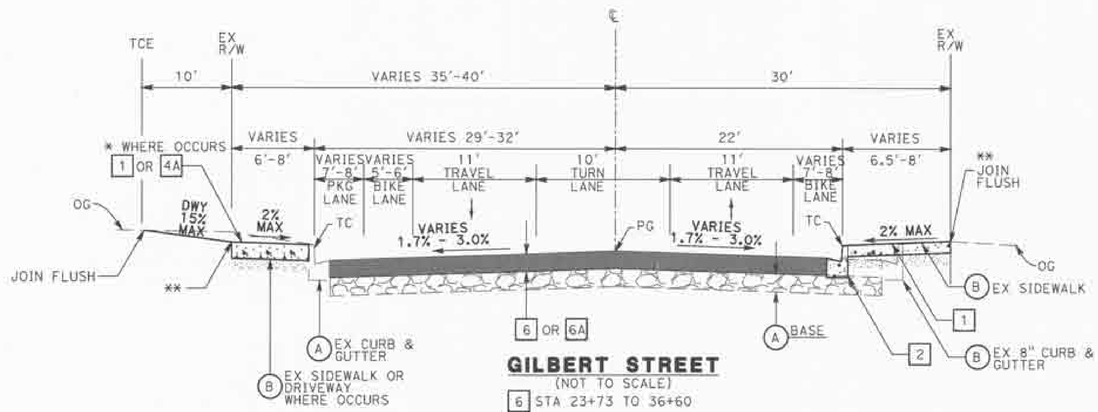


GILBERT STREET
(NOT TO SCALE)
STA 7+00 TO 10+00



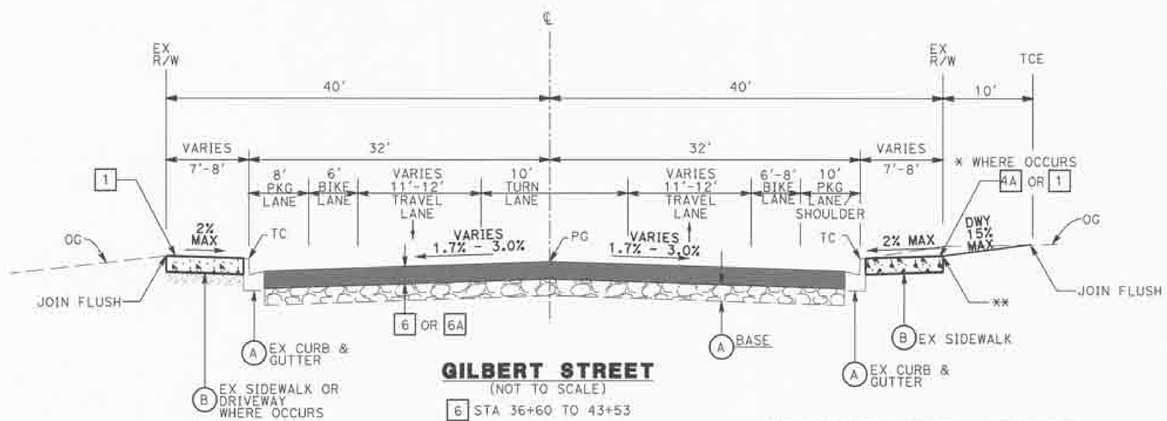
GILBERT STREET
(NOT TO SCALE)
5 STA 10+44.13 TO 18+30
6 STA 18+30 TO 23+09

* PRIVATE PROPERTY DRIVEWAY IMPROVEMENTS 10+44.13 TO 23+00 (KATELLA AVE TO PACIFIC PL)



GILBERT STREET
(NOT TO SCALE)
6 STA 23+73 TO 36+60
6 STA 43+30 TO 44+20
6A STA 44+20 TO 56+45

* PRIVATE PROPERTY DRIVEWAY IMPROVEMENTS 18+30 TO 23+00 (BANTA AVE TO PACIFIC PL)



GILBERT STREET
(NOT TO SCALE)
6 STA 36+60 TO 43+53
6A STA 56+45 TO 62+38

* PRIVATE PROPERTY DRIVEWAY IMPROVEMENTS 43+50 TO 62+67 (HARRIET LN TO BALL RD)

CIVIL CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4A. CONSTRUCT 6" THICK MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL A)
4B. CONSTRUCT 6" THICK DRIVEWAY PER APWA STD PLAN 1209. (SEE SHEET 08 FOR, DETAIL B)
5. REMOVE 7" EXISTING AC PAVEMENT & BASE, AND RECONSTRUCT 7" WMAC PAVEMENT
6. REMOVE 6" EXISTING AC PAVEMENT & BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
6A. REMOVE 5" EXISTING AC PAVEMENT & BASE, AND RECONSTRUCT 5" WMAC PAVEMENT

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(C) RELOCATE (ITEM AS INDICATED)
(D) ADJUST TO GRADE (ITEM AS INDICATED)
(E) REMOVE AND REPLACE (ITEM AS INDICATED)

LEGEND

- WARM MIX ASPHALT CONCRETE (WMAC)
- CONCRETE
- AGGREGATE BASE
- SUBGRADE

** NOTE:
IN LOCATIONS WITH SIDEWALK IMPROVEMENTS, RETAINING CURB OR REMEDIAL GRADING MAY BE NECESSARY TO JOIN EXISTING TO BE DETERMINED BY ENGINEER.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: NTS

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

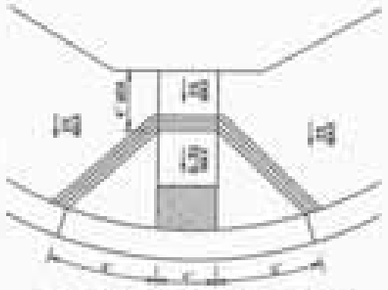
ROADWAY TYPICAL CROSS SECTIONS

Sheet Reference Number
XS-01

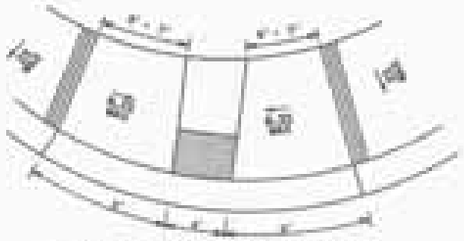
M:\CORA03090\TRANS\SHEETS\xs-road-typ-01.dgn

CURB RAMP DIMENSIONS

[illegible]	RAMP NO.	TYPE	X	NOTES
10+95.38	1	TYPE 1	8.0'	[illegible] CURB AND PROTECT IN [illegible]
10+41.26	2	-	-	PROTECT IN PLACE, IRON FENCE
10+15.16	3	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
10+05.21	4	TYPE 2	8.0'	PROTECT IN PLACE CHAIN LINK FENCE
20+46.06	5	TYPE 1	8.0'	[illegible]
26+66.75	6	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
27+00.24	7	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
27+04.04	8	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
29+15.00	9	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
29+56.85	10	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
30+41.36	11	TYPE 2	8.0'	[illegible]
30+15.02	12	TYPE 1	8.0'	[illegible] IN PLACE FENCE AND HEDGE
31+00.39	13	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
31+01.07	14	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
30+54.12	15	TYPE 2	8.0'	[illegible] CURB AND PROTECT IN [illegible]
31+45.80	16	TYPE 2	8.0'	PROTECT IN PLACE HEDGE PLANTS
32+02.54	17	TYPE 2	8.0'	PROTECT IN PLACE PLANTS
32+66.11	18	-	-	TRUNCATED DOMES ONLY
33+03.20	19	TYPE 1	8.0'	INSTALL RETAINING CURB
33+60.88	20	TYPE 4	8.0'	PROTECT IN PLACE POWER POLE
34+42.22	21	TYPE 2	8.0'	
34+66.86	22	TYPE 2	8.0'	
37+06.01	23	-	-	TRUNCATED DOMES ONLY
37+34.76	24	-	-	TRUNCATED DOMES ONLY
51+03.63	25	TYPE 2	8.0'	INSTALL RETAINING CURB
51+03.01	26	TYPE 2	8.0'	INSTALL RETAINING CURB



TYPICAL CURB RAMP DETAIL
TYPE 1
(NOT TO SCALE)



TYPICAL CURB RAMP DETAIL
TYPE 2 WITHOUT RETAINING CURB
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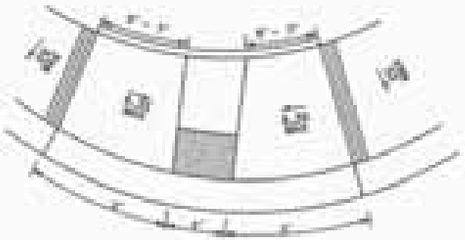

TYPICAL CURB RAMP DETAIL
TYPE 2 WITH RETAINING CURB
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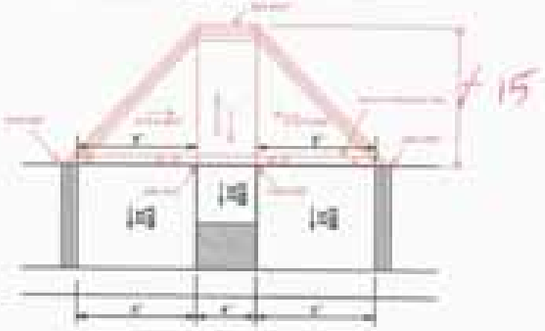
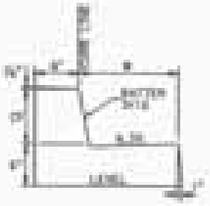
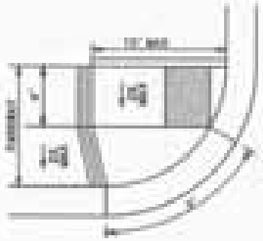


TYPICAL CURB RAMP
DETAIL TYPE 4
(NOT TO SCALE)

CURB TRANSITION
DETAIL
(NOT TO SCALE)



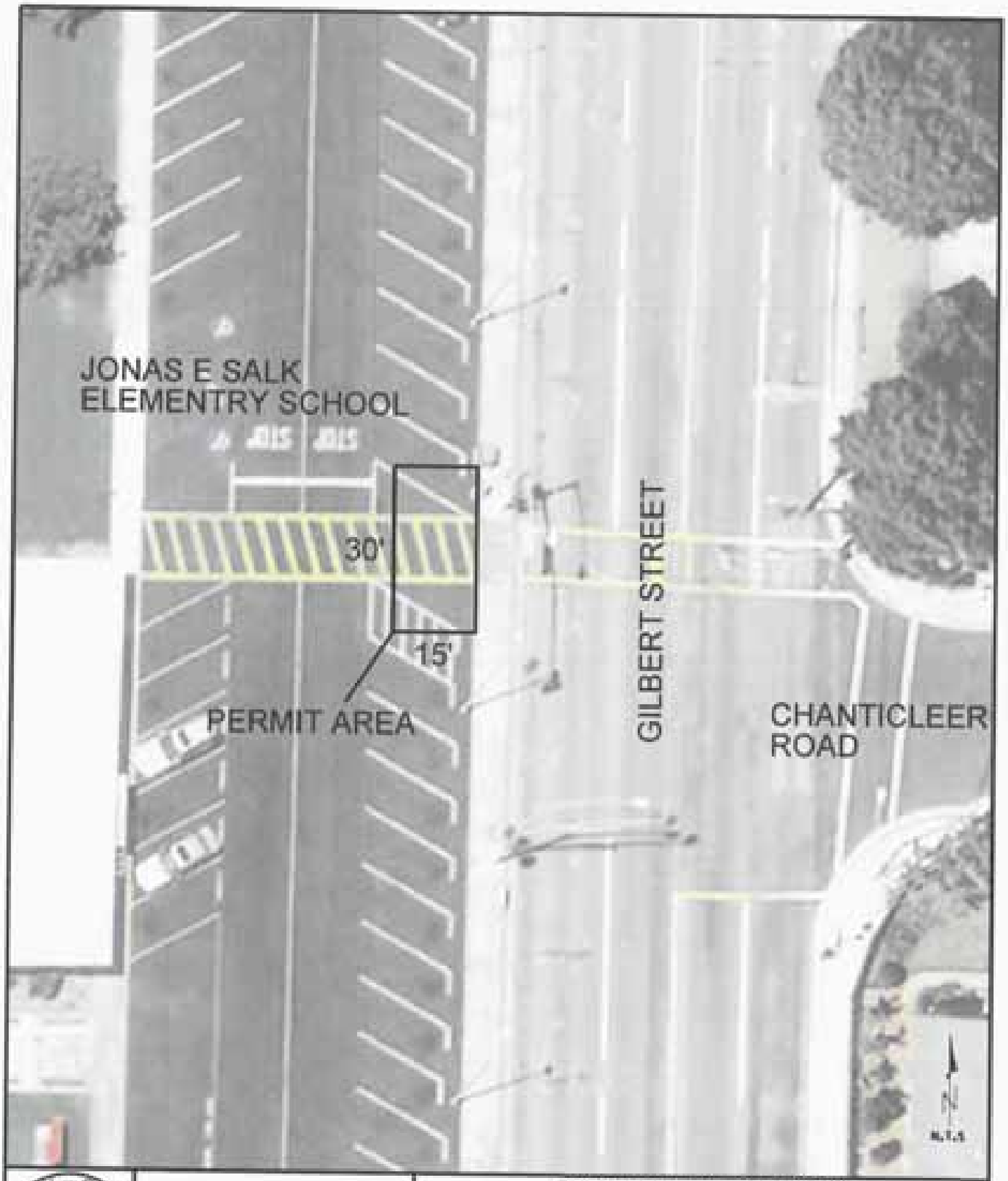
CURB AND GUTTER
A2-6 (1990) AND A2-8 (2001)
(MODIFIED)
(NOT TO SCALE)



TYPICAL CURB RAMP
DETAIL TYPE 7
(NOT TO SCALE)

CD-01

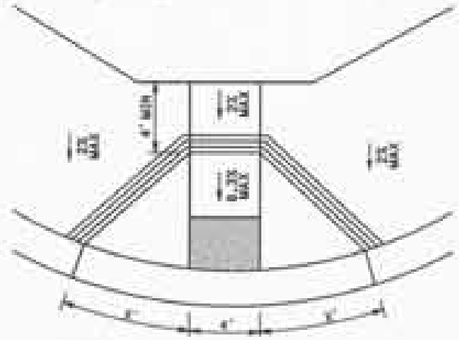
Sheet 07 of 72



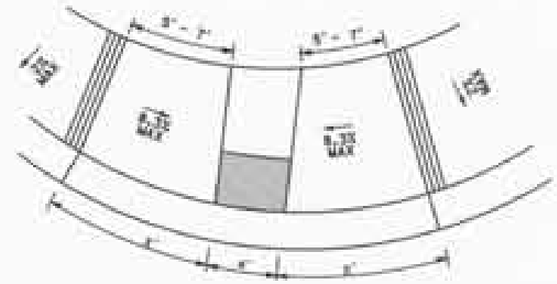
COUNTY OF ORANGE CALIFORNIA	EXHIBIT "A"	ORANGE COUNTY PUBLIC WORKS
		GILBERT STREET IMPROVEMENTS
		WORK ORDER No. E8023712 SCALE NTS

CURB RAMP DIMENSIONS

CURB RAMP ℄ STATION	RAMP NO.	TYPE	X	NOTES
10+56.36	1	TYPE 1	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BLOCK WALL
10+61.26	2	-	-	PROTECT IN PLACE IRON FENCE
18+49.36	3	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BLOCK WALL
19+00.23	4	TYPE 2	8.0'	PROTECT IN PLACE CHAIN LINK FENCE
22+80.06	5	TYPE 1	8.0'	INSTALL RETAINING CURB AND RELOCATE EXISTING CHAIN LINK FENCE PER PLAN
26+68.75	6	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
27+20.24	7	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BRICK
27+20.04	8	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE WALL/GRASS AREA
26+70.50	9	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
33+58.65	10	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
33+87.56	11	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE FENCE
36+19.02	12	TYPE 1	8.0'	PROTECT IN PLACE FENCE AND HEDGE PLANTS
37+00.38	13	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
37+01.57	14	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
38+34.12	15	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
41+65.60	16	TYPE 2	8.0'	PROTECT IN PLACE HEDGE PLANTS
42+22.54	17	TYPE 2	8.0'	PROTECT IN PLACE PLANTS
42+68.11	18	-	-	TRUNCATED DOMES ONLY
43+03.20	19	TYPE 7	8.0'	INSTALL RETAINING CURB
44+90.68	20	TYPE 4	8.0'	PROTECT IN PLACE POWER POLE
44+40.02	21	TYPE 2	8.0'	
44+90.80	22	TYPE 2	8.0'	
47+56.91	23	-	-	TRUNCATED DOMES ONLY
47+94.76	24	-	-	TRUNCATED DOMES ONLY
51+03.63	25	TYPE 2	8.0'	INSTALL RETAINING CURB
51+52.65	26	TYPE 2	8.0'	INSTALL RETAINING CURB



TYPICAL CURB RAMP DETAIL TYPE 1
(NOT TO SCALE)



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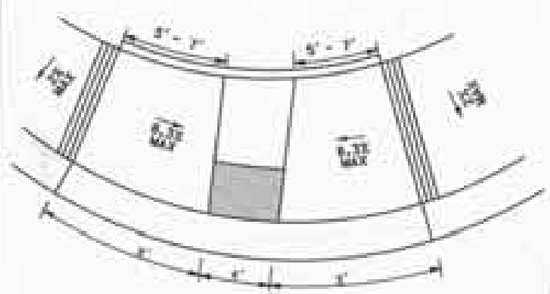
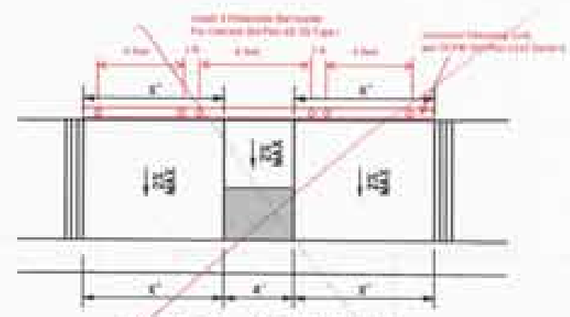
(NOT TO SCALE)

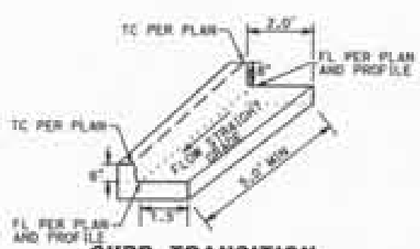


TYPICAL CURB RAMP DETAIL TYPE 2 WITH RETAINING CURB
(NOT TO SCALE)

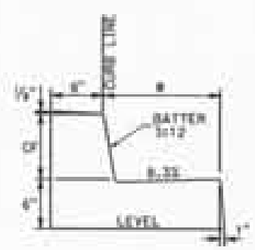


TYPICAL CURB RAMP DETAIL TYPE 4
(NOT TO SCALE)

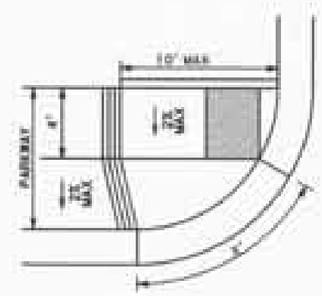
⚠ Curb Ramp 20



CURB TRANSITION DETAIL
(NOT TO SCALE)



CURB AND GUTTER A2-6 (150) AND A2-6 (200) (MODIFIED)
(NOT TO SCALE)



TYPICAL CURB RAMP DETAIL TYPE 7
(NOT TO SCALE)

COUNTY OF ORANGE CALIFORNIA

PREPARED UNDER THE SUPERVISION OF

PREPARED BY PSOMAS

ORANGE COUNTY DEPT OF PUBLIC WORKS

GILBERT STREET IMPROVEMENTS FROM RATTLER AVENUE TO BALL ROAD

CIVIL DETAILS

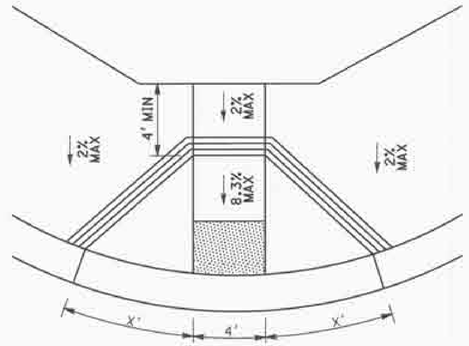
Sheet Reference Number

CD-01

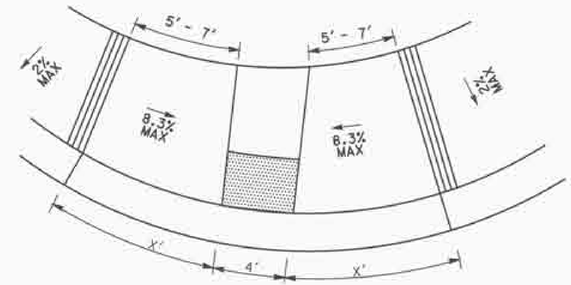
Sheet 07 of 72

CURB RAMP DIMENSIONS

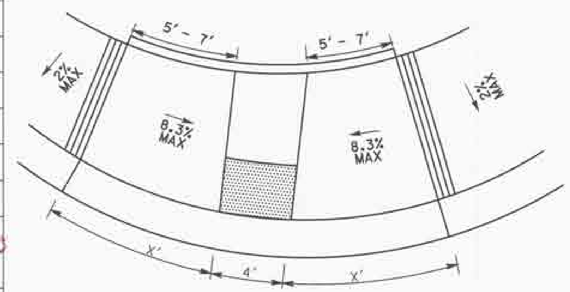
CURB RAMP ℄ STATION	RAMP NO.	TYPE	X	NOTES
10+56.38	1	TYPE 1	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BLOCK WALL
10+61.26	2	-	-	PROTECT IN PLACE IRON FENCE
18+49.36	3	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BLOCK WALL
19+00.23	4	TYPE 2	8.0'	PROTECT IN PLACE CHAIN LINK FENCE
22+80.06	5	TYPE 1	8.0'	INSTALL RETAINING CURB AND RELOCATE EXISTING CHAIN LINK FENCE PER PLAN
26+68.75	6	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
27+20.24	7	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE BRICK
27+20.04	8	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE WALL/GRASS AREA
26+70.50	9	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
33+36.65	10	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
33+87.36	11	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE FENCE
36+19.02	12	TYPE 1	8.0'	PROTECT IN PLACE FENCE AND HEDGE PLANTS
37+00.39	13	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
37+01.57	14	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
36+34.12	15	TYPE 2	8.0'	INSTALL RETAINING CURB AND PROTECT IN PLACE GRASS AREA
41+65.60	16	TYPE 2	8.0'	PROTECT IN PLACE HEDGE PLANTS
42+22.54	17	TYPE 2	8.0'	PROTECT IN PLACE PLANTS
42+66.11	18	-	-	TRUNCATED DOMES ONLY
43+03.20	19	TYPE 7	8.0'	INSTALL RETAINING CURB
44+90.68	20	TYPE 4	8.0'	PROTECT IN PLACE POWER POLE
44+40.02	21	TYPE 2	8.0'	
44+90.80	22	TYPE 2	8.0'	
47+56.91	23	-	-	TRUNCATED DOMES ONLY
47+94.76	24	-	-	TRUNCATED DOMES ONLY
51+03.63	25	TYPE 2	8.0'	INSTALL RETAINING CURB
51+52.65	26	TYPE 2	8.0'	INSTALL RETAINING CURB



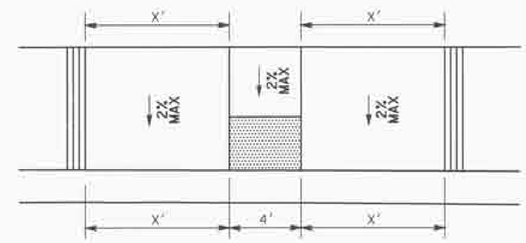
TYPICAL CURB RAMP DETAIL TYPE 1
(NOT TO SCALE)



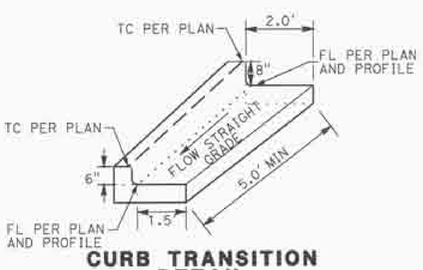
TYPICAL CURB RAMP DETAIL TYPE 2 WITHOUT RETAINING CURB
(NOT TO SCALE)



TYPICAL CURB RAMP DETAIL TYPE 2 WITH RETAINING CURB
(NOT TO SCALE)

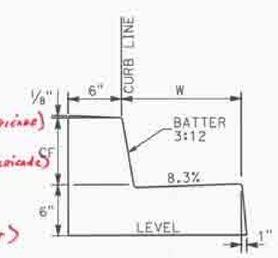


TYPICAL CURB RAMP DETAIL TYPE 4
(NOT TO SCALE)

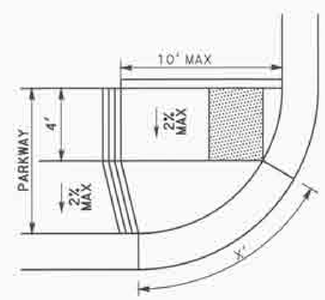


CURB TRANSITION DETAIL
(NOT TO SCALE)

① Modified Per County Drawing (1 Ped Barricade)
② Modified Per County Drawing (2 Ped. Barricade)
③ Modified Per County Drawing (Extend Ramp To School Lot)



CURB AND GUTTER A2-6 (150) AND A2-8 (200) (MODIFIED)
(NOT TO SCALE)



TYPICAL CURB RAMP DETAIL TYPE 7
(NOT TO SCALE)

DIGALERT
CALL TOLL FREE 811
"LOOK UP AND OUT"

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: NTS

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

CIVIL DETAILS

Sheet Reference Number
CD-01

Sheet 07 of 72

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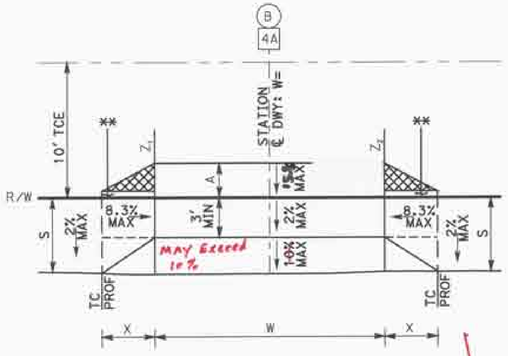
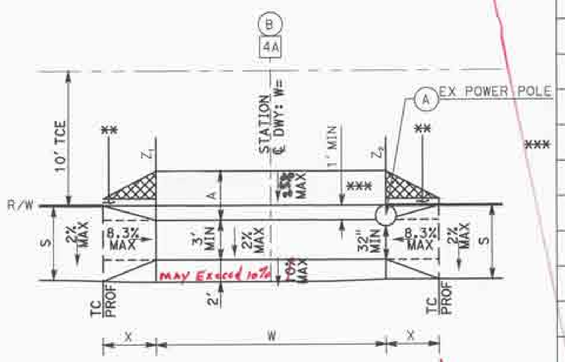


TYPICAL MODIFIED DRIVEWAY DETAIL WITH RAMP

A

(NOT TO SCALE)



TYPICAL MODIFIED DRIVEWAY DETAIL WITH RAMP

A2

(NOT TO SCALE)

TYPICAL DRIVEWAY DETAIL WITHOUT RAMP

B

(NOT TO SCALE)

DRIVEWAY DIMENSIONS

	DRIVEWAY ℄ STATION	TYPE	W WIDTH	A JOIN EX	X	S (< 8')	Z_1	Z_2	EXISTING DRIVEWAY MATERIAL	NOTES
	11+04.97	A	17.5'	4.0'	4.0'	6.0'	85.05	85.32	CONC	POLE OBSTRUCTION
	11+80.08	A	16.0'	3.5'	5.0'	6.0'	85.11	85.17	CONC	-
	12+93.30	A	10.0'	2.5'	4.0'	6.0'	85.21	85.14	CONC	-
	13+52.08	A	12.0'	4.0'	5.0'	6.0'	85.34	85.42	CONC	-
	13+79.62	A	12.0'	4.0'	4.0'	6.0'	85.41	85.41	CONC	-
***	14+40.10	A2	22.0'	2.5'	4.5'	6.0'	85.38	85.19	CONC	PROTECT IN PLACE BRICK WALL AND POLE OBSTRUCTION
	15+18.75	A	10.5'	3.0'	5.0'	6.0'	85.41	85.39	CONC	REMOVE AND REUSE GATE
	15+53.+89	A	12.0'	4.5'	5.0'	6.0'	85.81	85.80	CONC	-
	16+07.10	A	8.5'	4.5'	5.0'	6.0'	85.79	85.74	CONC	PROTECT IN PLACE FENCE
	17+00.55	A	12.0'	3.0'	3.5'	6.0'	85.68	85.69	CONC	-
	18+29.51	A	12.0'	3.5'	5.0'	6.0'	85.80	85.73	CONC	-
	18+76.09	A	28.0'	6.0'	5.0'	6.0'	86.16	86.20	CONC	PROTECT IN PLACE BRICK WALL
	19+64.67	A	12.0'	5.0'	4.5'	6.0'	86.49	86.35	CONC	REMOVE AND REPLACE GATE, PLANTS AND PLANTER
***	20+45.07	A2	9.0'	5.0'	6.0'	6.0'	86.39	86.73	CONC	PROTECT IN PLACE POWER POLE AND WALL REMOVE AND REPLACE GATE
	20+79.19	A	11.0'	2.0'	5.0'	6.0'	85.92	85.96	CONC	PROTECT IN PLACE CMU WALL
	21+88.30	A	12.0'	3.0'	4.0'	6.0'	86.38	86.46	CONC	-
	30+92.03	A	19.0'	1.0'	3.0'	8.0'	88.26	88.02	CONC, TILE	-
	39+51.00	A	12.0'	2.0'	3.0'	8.0'	90.55	90.49	CONC	-
	40+00.41	A	12.0'	2.0'	3.0'	8.0'	90.61	90.64	CONC	-
	40+26.36	A	12.0'	2.0'	3.0'	8.0'	90.71	90.64	CONC	-
***	40+76.23	A	12.0'	2.5'	3.0'	8.0'	90.61	90.67	CONC	-
	43+60.17	A	14.0'	3.5'	3.0'	8.0'	90.18	90.22	STAMPED CONC	-
	60+21.45	A	16.0'	1.0'	3.0'	8.0'	90.73	90.86	CONC	PROTECT IN PLACE POWER POLE
***	61+15.47	A	12.0'	2.0'	3.0'	8.0'	90.54	90.61	CONC	-
***	61+41.09	A	12.0'	1.5'	3.0'	8.0'	90.42	90.53	CONC	-
***	61+61.88	A	12.0'	2.5'	3.0'	8.0'	90.65	90.54	BRICK/GRASS	PROTECT IN PLACE SIGN POLE AND LANDSCAPING
***	62+03.06	A	12.0'	1.5'	3.0'	8.0'	90.27	90.27	CONC	PROTECT IN PLACE FENCE, POWER POLE AND LANSCAPING
***	62+23.11	A	12.0'	2.0'	3.0'	8.0'	90.19	90.27	CONC	PROTECT IN PLACE POWER POLE

*** NOTED DRIVEWAYS IN PHASE 2 MODIFIED TO MEET FIELD CONDITIONS AS DIRECTED BY R.E. AND AS RECOMMENDED BY DESIGNER

CONSTRUCTION NOTES

4A CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).

4B CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08 FOR ADDITIONAL DETAILS)

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)

(B) REMOVE (ITEM AS INDICATED)

LEGEND

DRIVEWAY WRAP TO JOIN EXISTING

NOTES

* 1. SEE ROAD PLANS FOR TYPICAL DRIVEWAYS (TYPE B) WHERE NO RAMP IS NEEDED FOR WIDTH (W) DIMENSIONS.

** 2. SEE ROAD PLANS FOR UNIQUE CONDITIONS FOR RETAINING CURB INSTALLATION AND FENCE OR GATE REPLACEMENT.

3. SEE UTILITY PLANS FOR ALL ADJUSTMENTS, REMOVALS, AND REPLACEMENT OF UTILITIES.

*** 4. MAINTAIN A MINIMUM CLEARANCE OF 32" FROM THE POWER POLE.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA, No. 72701, EXP. 12/31/15 — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/04/2014
SCALE: NTS

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

CIVIL DETAILS

Sheet Reference Number

CD-02

Sheet 08 of 72

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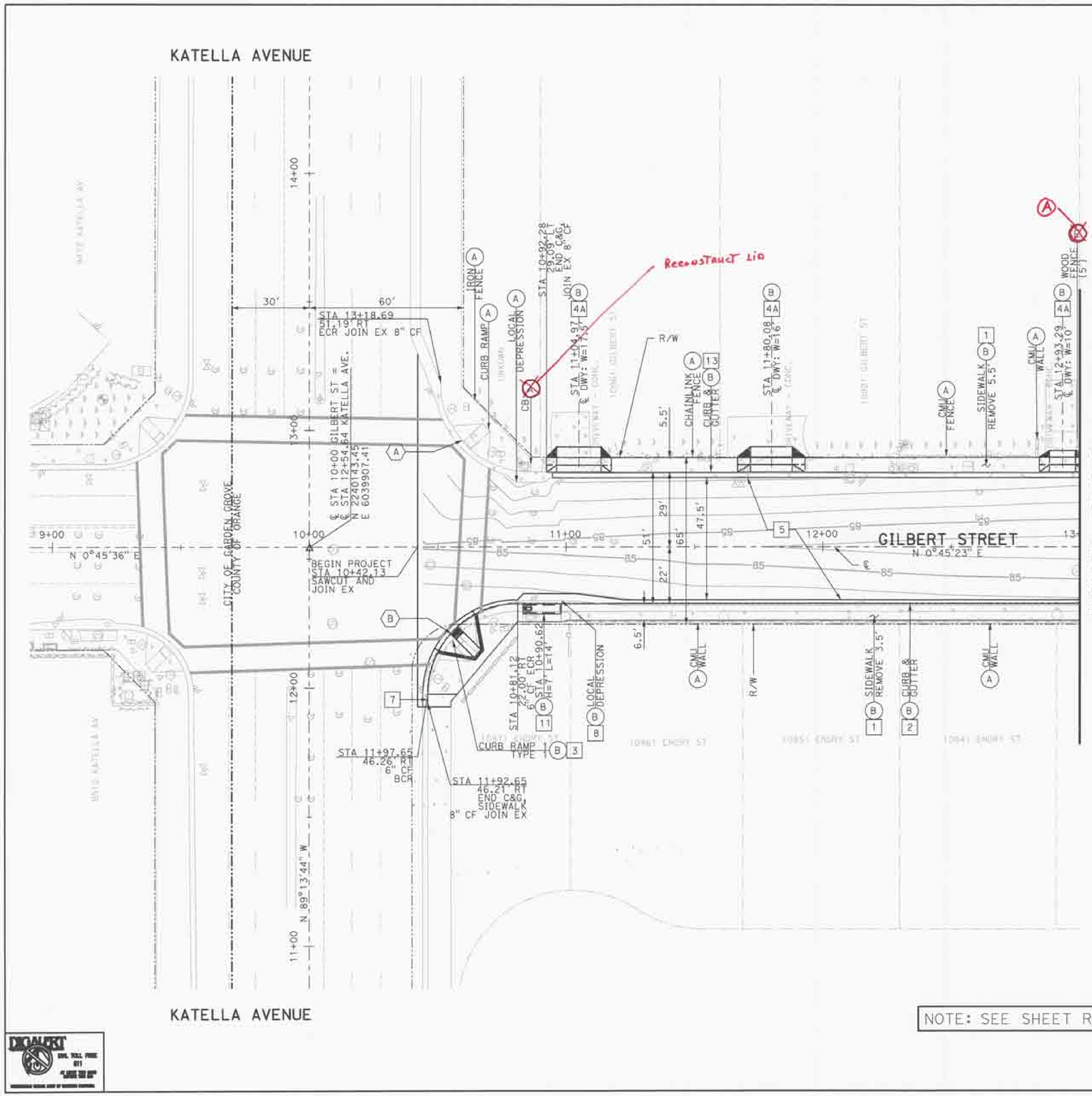
DIGALERT CALL TOLL FREE 811 "LOOK BEFORE YOU DIG"



CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL A OR A2 FOR ADDITIONAL DETAILS).
5. REMOVE 7" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 7" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
8. CONSTRUCT LOCAL DEPRESSION PER OCPW STD. PLAN 1308. (SEE SHEET 66 FOR DETAILS)
11. CONSTRUCT INLET TYPE II PER OCPW STD PLAN 1302.
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(E) REMOVE AND RELOCATE (ITEM AS INDICATED)

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
A	88°57'05"	35.00'	54.34'	49.04'	13+18.69	10+85.66
B	89°59'58"	35.00'	54.98'	49.50'	11+97.65	10+81.12

STREET IMPROVEMENT GENERAL NOTES

1. THE CONSTRUCTION OF IMPROVEMENTS IN THE AREA OF TRAFFIC SIGNALS TO BE COORDINATED WITH THE CITY OF ANAHEIM TRAFFIC ENGINEERING DIVISION, SYSTEMS SECTION (714) 765-5183.
2. BEFORE FORMS HAVE BEEN SET AND 24 HOURS PRIOR TO THE PLACEMENT OF ANY CONCRETE IN THE RIGHT-OF-WAY THE CONTRACTOR SHALL ADJUST ALL NECESSARY UTILITIES TO GRADE AND OBTAIN APPROVAL FROM THE FIELD ENGINEER.
3. ALL REGULATORY SIGNS SHALL BE PLACED WITHIN 24 HOURS AFTER CURBS HAVE BEEN CONSTRUCTED.
4. ALL NECESSARY UTILITY CONSTRUCTION WITHIN THE STREET RIGHT-OF-WAY SHALL BE COMPLETED PRIOR TO PAVING PER THIS PLAN.
5. ADJUST ALL STORM DRAIN AND SEWER MANHOLES AND WATER VALVES TO GRADE AFTER PLACING FINAL LIFT OF ASPHALT.
6. STAKES SHALL BE SET PRIOR TO THE CONSTRUCTION OF THE SUB-GRADE AND THE ROCK GRADE. THE FINISH-SURFACE A.C. FILLS ARE TO BE PAINTED ON THE BASE COURSE OF THE A.C. 24 HOURS PRIOR TO FINISH PAVING.
7. NO EXPANSIVE SOIL MAY BE USED WITHIN THE PUBLIC RIGHT-OF-WAY.
8. SEAL COAT OR SLURRY SEAL IS REQUIRED IF THE FIELD ENGINEER DEEMS THE FINISHED SURFACE IS TOO ROUGH AND OPEN TEXTURED.

NOTE: SEE SHEET RP-01 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, No. 57711, REGISTERED PROFESSIONAL ENGINEER, CIVIL, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLEMS
DRAWN BY: V. HELLEMS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 9+00 TO STA 13+00

Sheet Reference Number
RD-01

Sheet 09 of 72

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CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
5. REMOVE 7" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 7" WMAC PAVEMENT
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

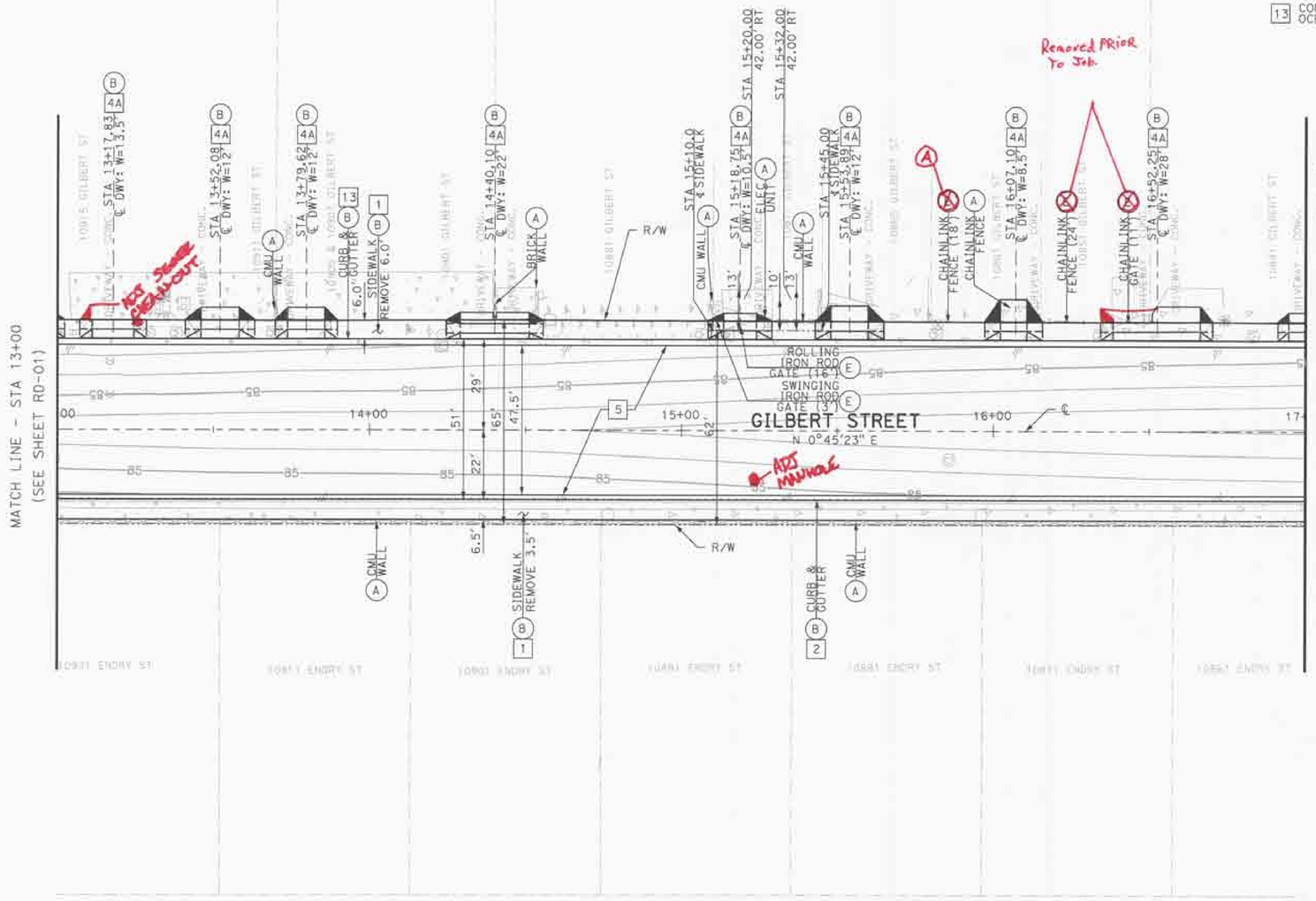
REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(E) REMOVE AND RELOCATE (ITEM AS INDICATED)

NOTE

SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-02 FOR PROFILE



1" = 20'
20 10 0 20 40
3 inches on original drawing

DIGALERT
CAL. TOLL FREE 811
"LOOK BEFORE YOU DIG"

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
04/30/2014
DATE

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/04/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1985
FAX: (714) 545-2373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PLAN
STA 13+00 TO STA 17+00

Sheet Reference Number
RD-02

Sheet 10 of 72

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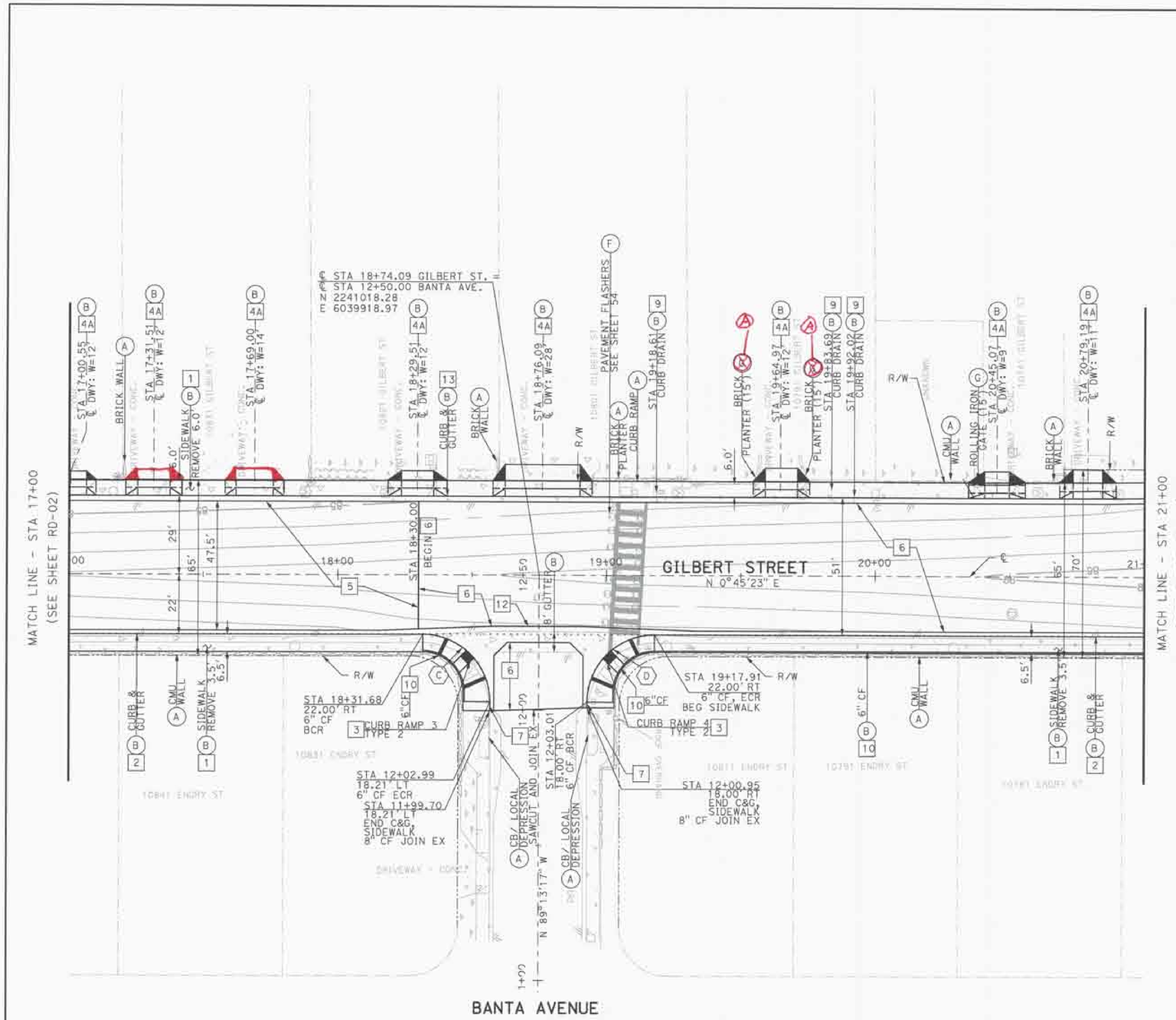

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS.)
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
5. REMOVE 7" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 7" WMAC PAVEMENT
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
9. REMOVE AND RECONSTRUCT 3" PVC CURB DRAIN.
10. CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.
12. CONSTRUCT CROSS-GUTTER PER OCPW STD PLAN 122-2-OC.
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC.

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS (SEE SHEET 54)
- (G) REMOVE AND REPLACE PER SPECIAL PROVISIONS (ITEM AS INDICATED)

NOTE

SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
C	90°0'0"	25.00'	39.27'	35.36'	18+31.68	12+02.99
D	90°0'0"	25.00'	39.27'	35.36'	12+03.01	19+17.91

NOTE: SEE SHEET RP-03 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
04/30/2014
DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 07/03/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1123
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA. 17+00 TO STA. 21+00

Sheet Reference Number
RD-03

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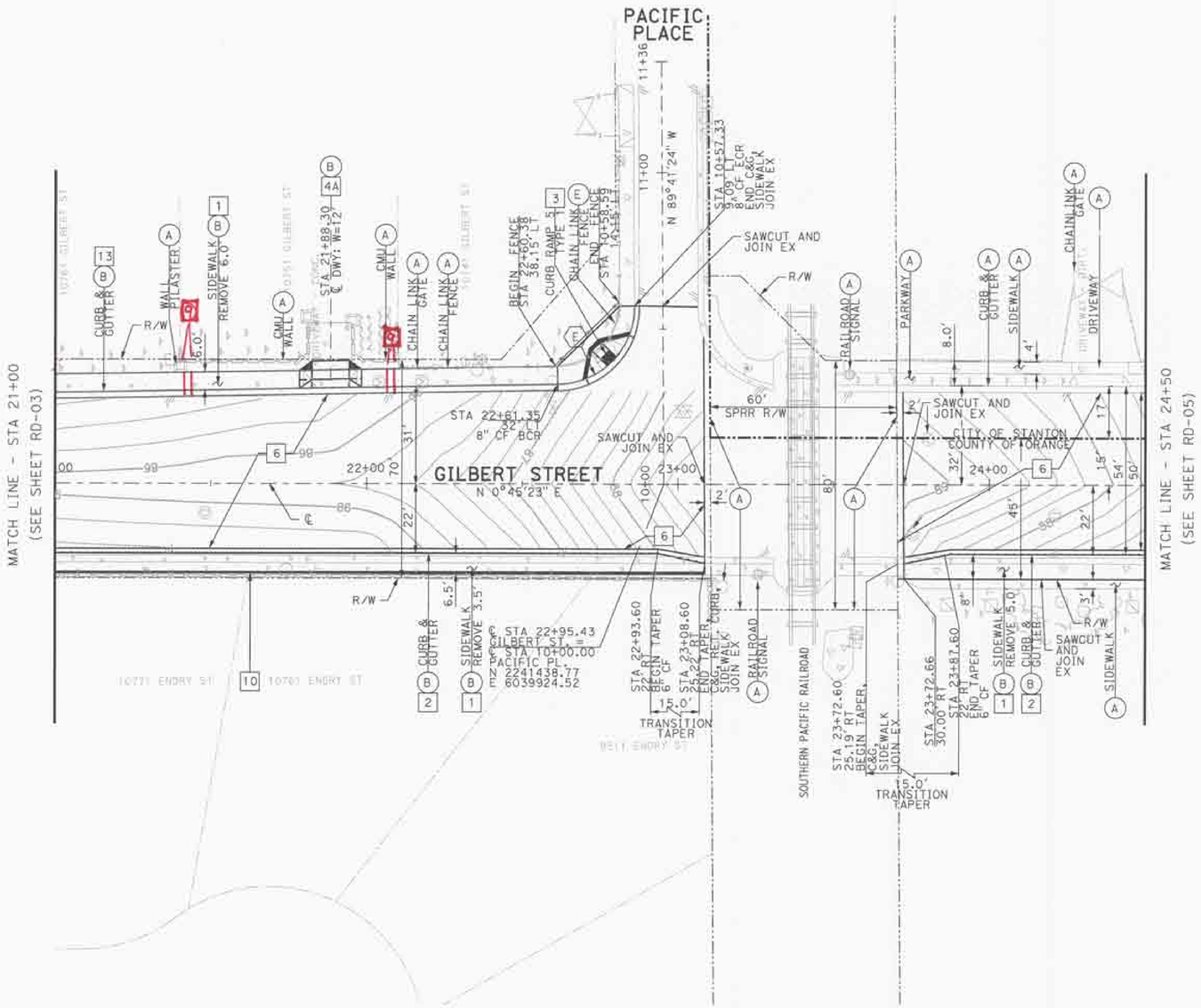


CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
10. CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)

(B) REMOVE (ITEM AS INDICATED)

(E) REMOVE AND RELOCATE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
E	89°37'04"	25.00'	39.10'	24.83'	22+61.35	10+57.33

NOTE: SEE SHEET RP-04 FOR PROFILE

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, RCE 71703, EXP. 12/31/15, CIVIL, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PLAN

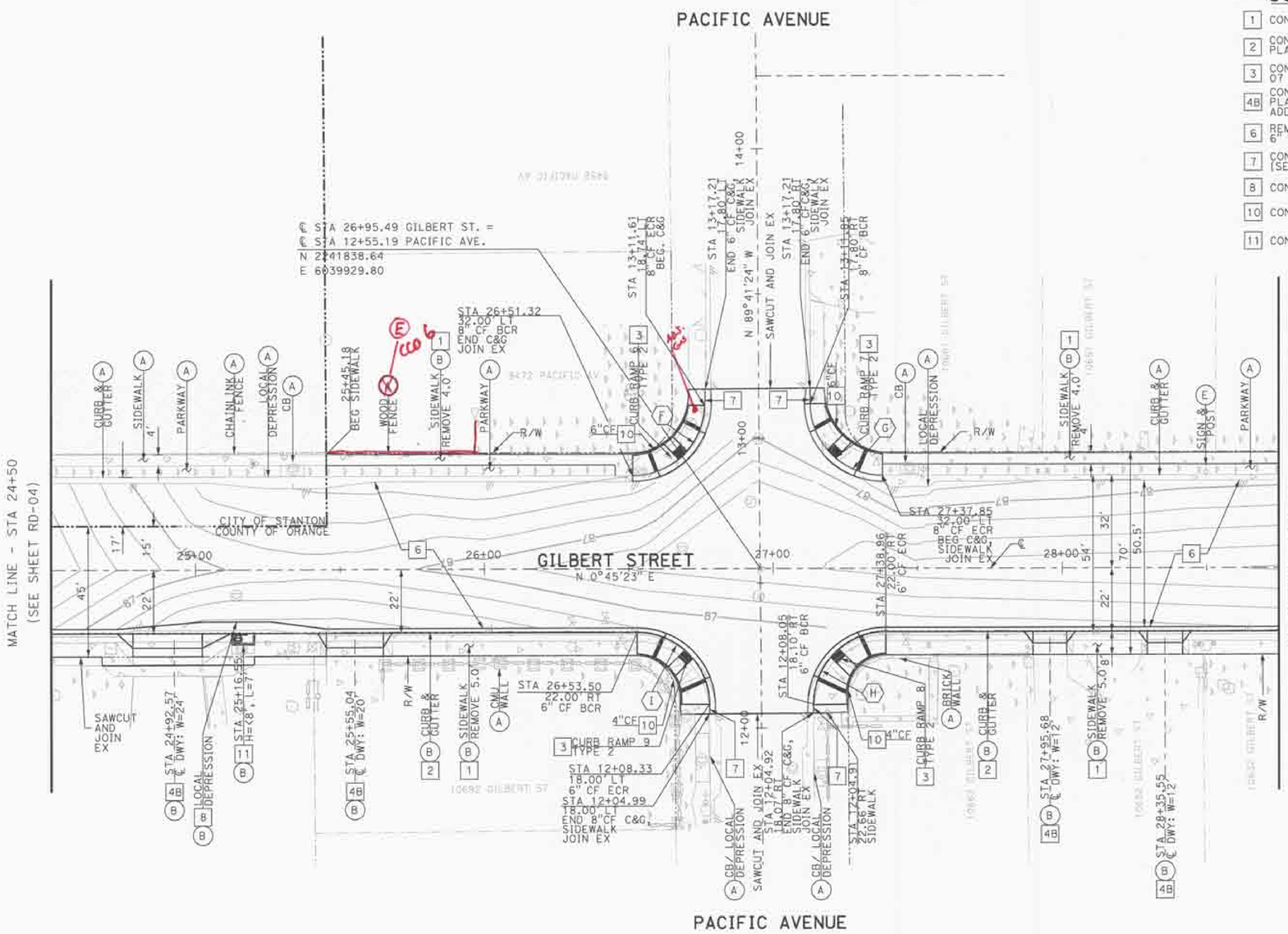
STA 21+00 TO STA 24+50

Sheet Reference Number

RD-04

M:\20\A030905\TRANSP\SHEETS\rc-road-04.dgn

DIGALERT CALL TOLL FREE 811 "CALL BEFORE YOU DIG"



CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4B. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
6. REMOVE 6" EXISTING AC PAVMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
8. CONSTRUCT LOCAL DEPRESSION PER OCPW STD. PLAN 1308.
10. CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.
11. CONSTRUCT INLET TYPE II PER OCPW STD PLAN 1302.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(E) REMOVE AND RELOCATE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
F	88°24'34"	25.00'	38.58'	34.87'	26+51.32	13+11.61
G	89°33'28"	25.00'	39.08'	35.21'	13+11.85	27+37.85
H	90°0'0"	25.00'	39.27'	35.36'	12+08.05	27+38.96
I	90°0'0"	25.00'	39.27'	35.36'	26+53.50	12+08.33

NOTE: SEE SHEET RP-05 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES 04/30/2014 DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-6883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 24+50 TO STA 28+75

Sheet Reference Number
RD-05

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DIGALERT CALL TOLL FREE 811 "LIKE NO ONE"

NOTE: SEE SHEET RP-06 FOR PROFILE

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT.

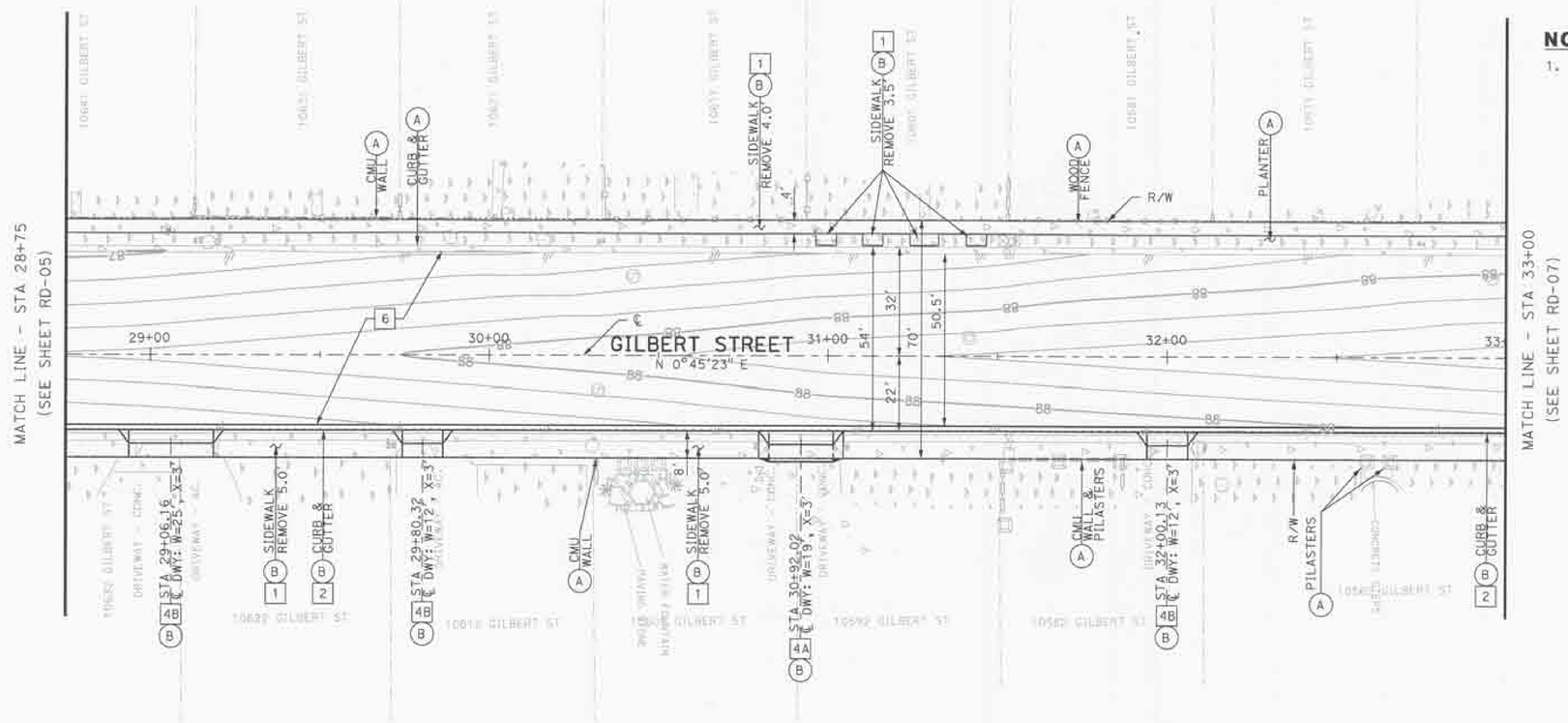
REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)

(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.



1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS, 3 HUTTON CENTRE DRIVE, STE 200, SANTA ANA, CA 92707, TEL: (714) 751-7373, FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN

STA 28+75 TO STA 33+00

Sheet Reference Number

RD-06

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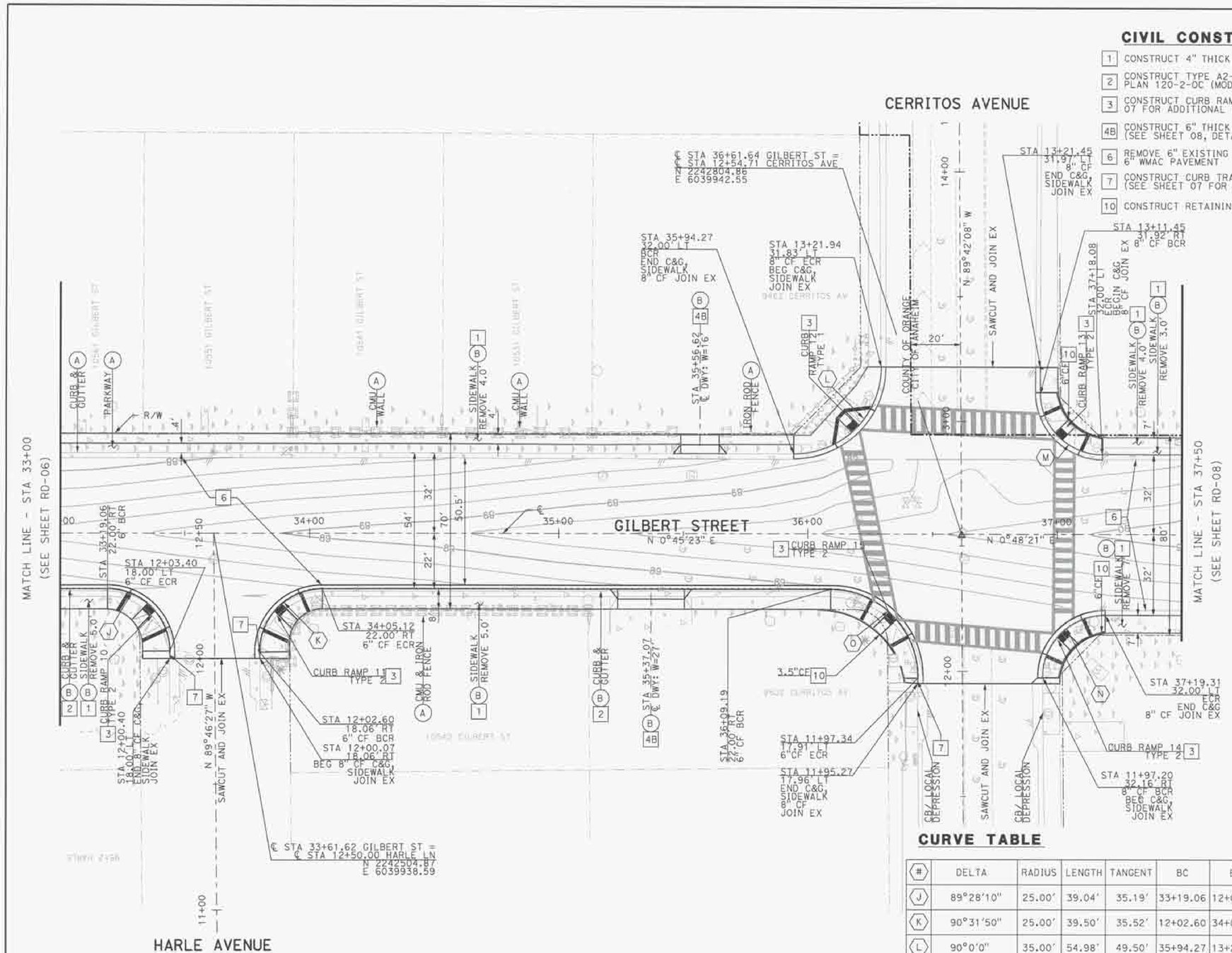

CIVIL CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
10. CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
J	89°28'10"	25.00'	39.04'	35.19'	33+19.06	12+03.40
K	90°31'50"	25.00'	39.50'	35.52'	12+02.60	34+05.12
L	90°0'0"	35.00'	54.98'	49.50'	35+94.27	13+21.94
M	90°0'0"	25.00'	39.27'	35.36'	13+11.45	37+18.08
N	90°21'28"	25.00'	39.43'	35.47'	11+97.20	37+19.31
O	90°50'27"	35.00'	55.49'	49.86'	36+09.19	11+97.34

NOTE: SEE SHEET RP-07 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS 04/30/2014 DATE

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 33+00 TO STA 37+50

Sheet Reference Number
RD-07

Sheet 15 of 72

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CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 04, DETAIL A FOR ADDITIONAL DETAILS)
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT

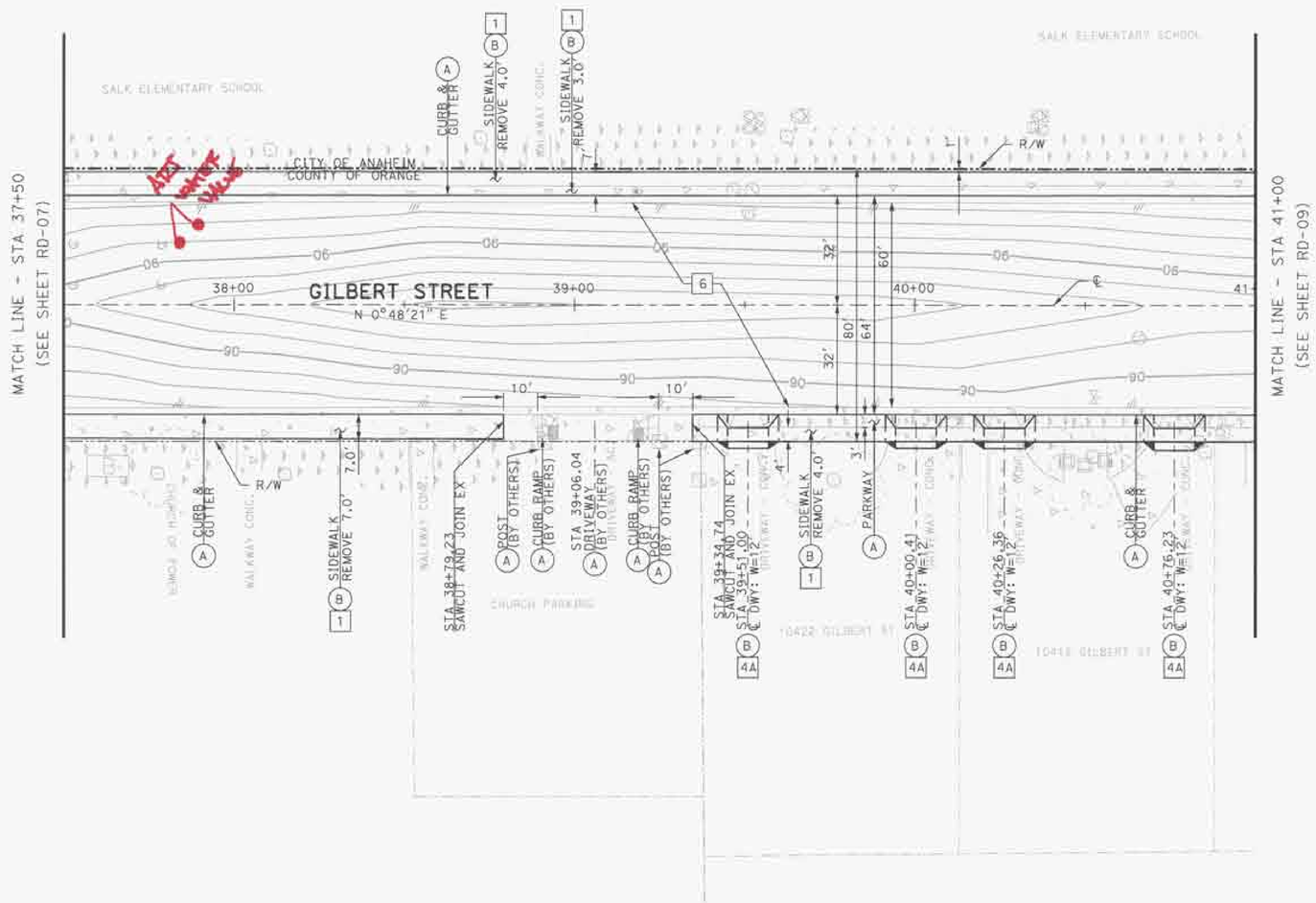
REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-08 FOR PROFILE



1" = 20'
20 10 0 20 40
3 inches on original drawing

MARK	DESCRIPTION	DATE	APPR.

COUNTY OF ORANGE CALIFORNIA

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PLAN
STA 37+50 TO STA 41+00

Sheet Reference Number
RD-08

Sheet 16 of 72

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DIGALERT CALL TOLL FREE 811 "LIKE NEW"

NOTE: SEE SHEET RP-09 FOR PROFILE

CURVE TABLE

	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
(P)	97°34'29"	5.00'	8.51'	7.52'	43+10.19	43+03.34
(Q)	89°0'37"	35.00'	54.38'	49.07'	41+41.13	11+83.46
(R)	89°49'40"	35.00'	54.87'	49.41'	11+82.64	42+47.20
(S)	33°45'11"	35.00'	20.62'	20.32'	43+33.63	43+53.01
(T)	89°24'22"	25.00'	39.01'	35.17'	44+22.43	12+03.94
(U)	90°35'38"	25.00'	39.53'	35.54'	12+02.80	45+08.53

CONSTRUCTION NOTES

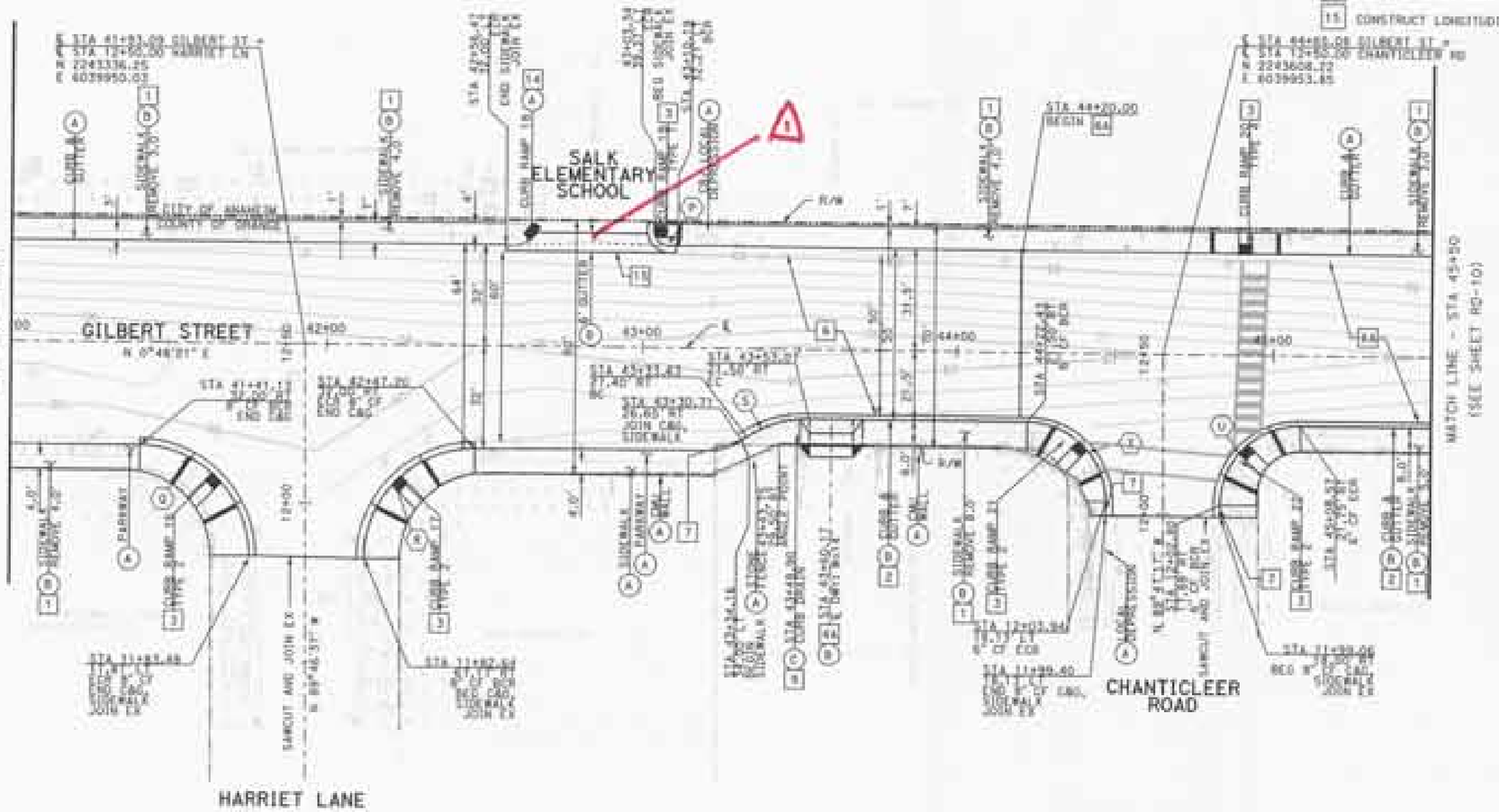
1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-3-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS.)
4A. CONSTRUCT 4" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1208. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
9. REMOVE AND RECONSTRUCT 3" PVC CURB DRAIN.
14. INSTALL DETECTABLE WARNING SURFACE PER OCPW STD PLAN 1115.
15. CONSTRUCT LONGITUDINAL GUTTER PER OCPW STD PLAN 122-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(C) RELOCATE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.



Revise const. note 7-1-15

1" = 20'
20 10 0 20 40
2 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE

PROJECT NO. PSOMAS

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 41+00 TO STA 45+50

Sheet Reference Number
RD-09

Sheet 17 of 72

NOTE: SEE SHEET RP-09 FOR PROFILE

CURVE TABLE

#	DELTA	RADIUS	LENGTH	TANGENT	BC	EC
P	97°34'29"	5.00'	8.51'	7.52'	43+10.19	43+03.34
Q	89°0'57"	35.00'	54.38'	49.07'	41+41.13	11+83.48
R	89°49'40"	35.00'	54.87'	49.41'	11+82.64	42+47.20
S	33°45'11"	35.00'	20.62'	20.32'	43+33.63	43+53.07
T	89°24'22"	25.00'	39.01'	35.17'	44+22.43	12+03.94
U	90°35'38"	25.00'	39.53'	35.54'	12+02.80	45+08.57

CONSTRUCTION NOTES

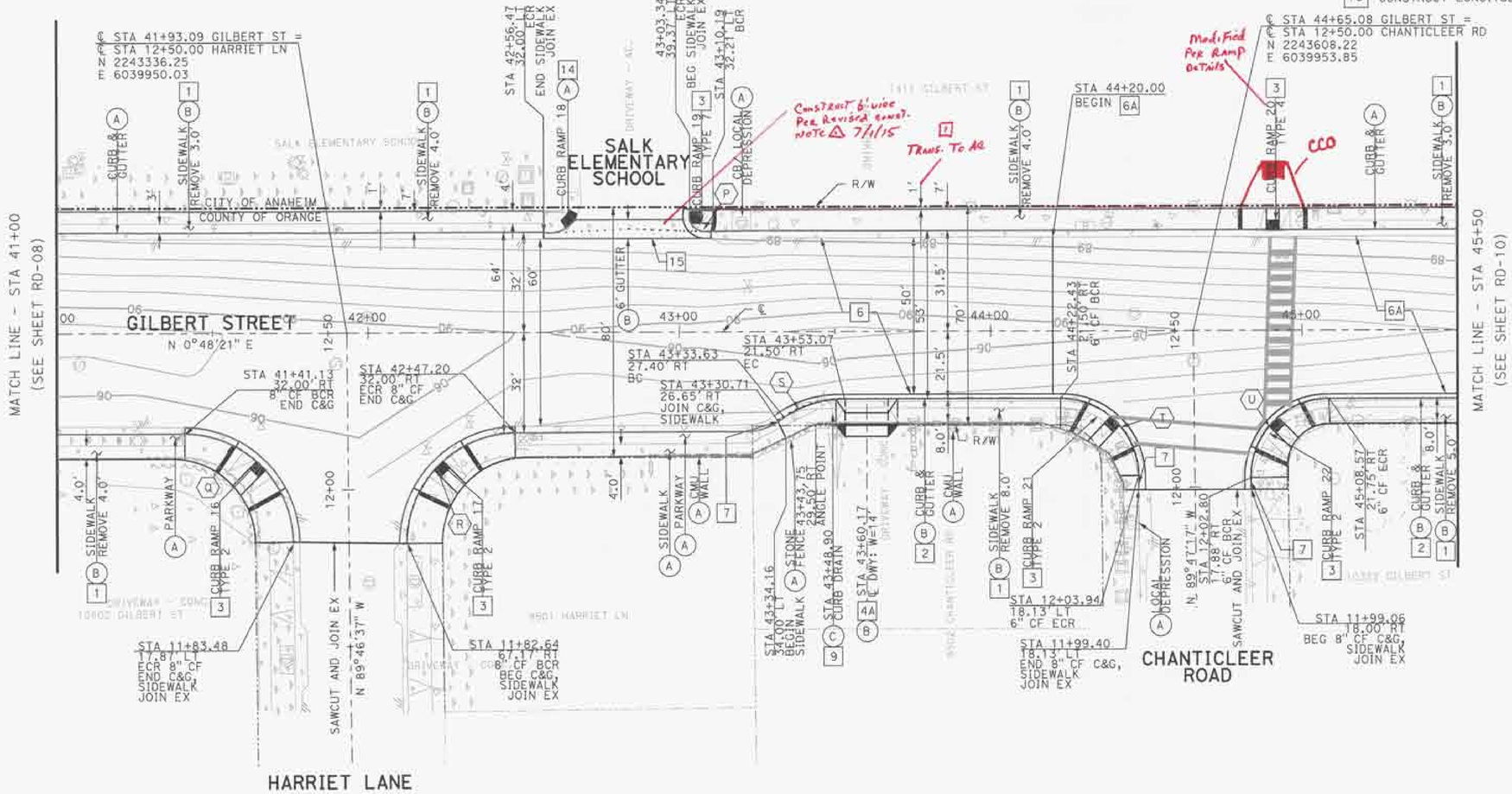
1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS.)
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAILS A OR A2 FOR ADDITIONAL DETAILS).
6. REMOVE 6" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 6" WMAC PAVEMENT
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
9. REMOVE AND RECONSTRUCT 3" PVC CURB DRAIN.
14. INSTALL DETECTABLE WARNING SURFACE PER OCPW STD PLAN 1115.
15. CONSTRUCT LONGITUDINAL GUTTER PER OCPW STD PLAN 122-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(C) RELOCATE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.



1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: AMISSA VOYIATZES, REGISTERED PROFESSIONAL ENGINEER, C 37715, EXP. 12/31/15, STATE OF CALIFORNIA — 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 41+00 TO STA 45+50

Sheet Reference Number
RD-09

Sheet 17 of 72

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DIGALERT CALL TOLL FREE 811

CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2. CONSTRUCT TYPE A2-1(NOS) 6" CURB AND GUTTER PER OCPW STD PLAN 100-3-OC (MODIFIED) (SEE SHEET 9 FOR ADDITIONAL DETAILS)
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1206. (SEE SHEET 9A, DETAIL B FOR ADDITIONAL DETAILS)
8A. REMOVE 3" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 3" MAC PAVEMENT
14. INSTALL DETECTABLE WARNING SURFACE PER OCPW STD PLAN 1115.
15. CONSTRUCT LONGITUDINAL GUTTER PER OCPW STD PLAN ~~100-8-OC~~ 122-2

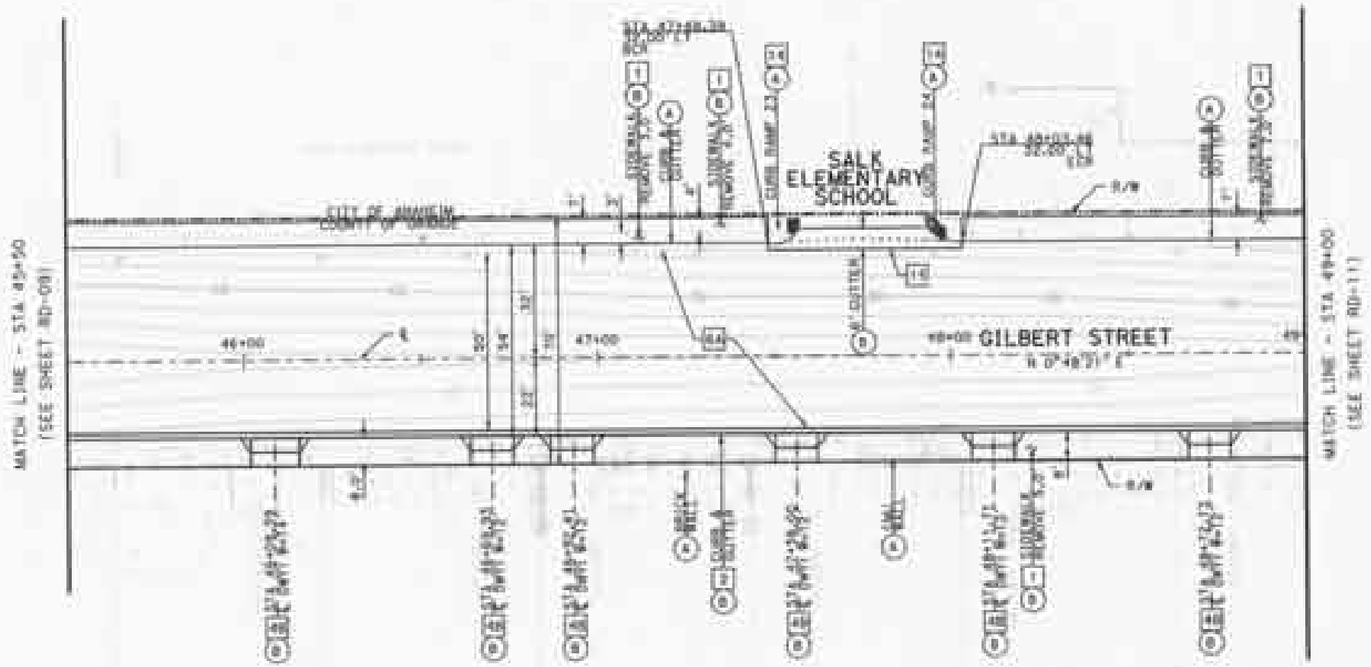
REMOVAL AND DISPOSITION

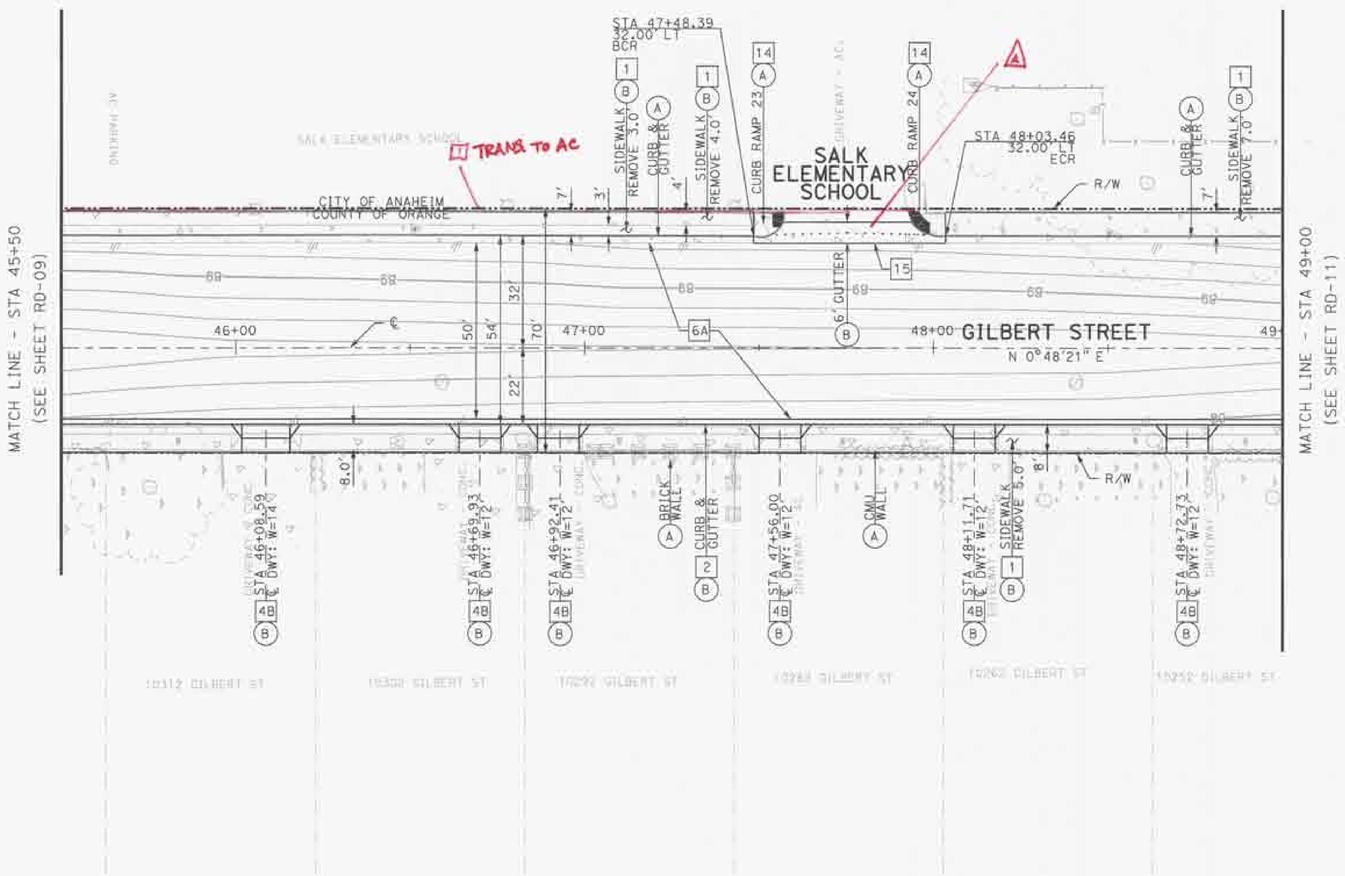
(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-10 FOR PROFILE


MATCH LINE - STA. 45+50
(SEE SHEET RD-09)
MATCH LINE - STA. 49+00
(SEE SHEET RD-11)
CITY OF ANAHEIM
COUNTY OF ORANGE
SALK ELEMENTARY SCHOOL
GILBERT STREET
46+00
47+00
48+00
49+00
6" CURB & GUTTER
CURB RAMP TYPE
CURB RAMP TYPE
CURB & GUTTER
SIDEWALK TRANSITION
SIDEWALK TRANSITION
EX. 12" PVC WATER
EX. 12" PVC WATER
EX. 12" PVC WATER



CONSTRUCTION NOTES

1	CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD PLAN 1205.
2	CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4B	CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6A	REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
14	INSTALL DETECTABLE WARNING SURFACE PER OCPW STD PLAN 1115.
15	CONSTRUCT LONGITUDINAL GUTTER PER OCPW STD PLAN 122-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)

(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-10 FOR PROFILE

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS

DRAWN BY: V. HELLENS — CHECKED BY: A. VOYIATZES

DRAWING CODE: — FILE NAME:

PLOT DATE: 04/30/2014 — SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN

STA 45+50 TO STA 49+00

Sheet Reference Number

RD-10

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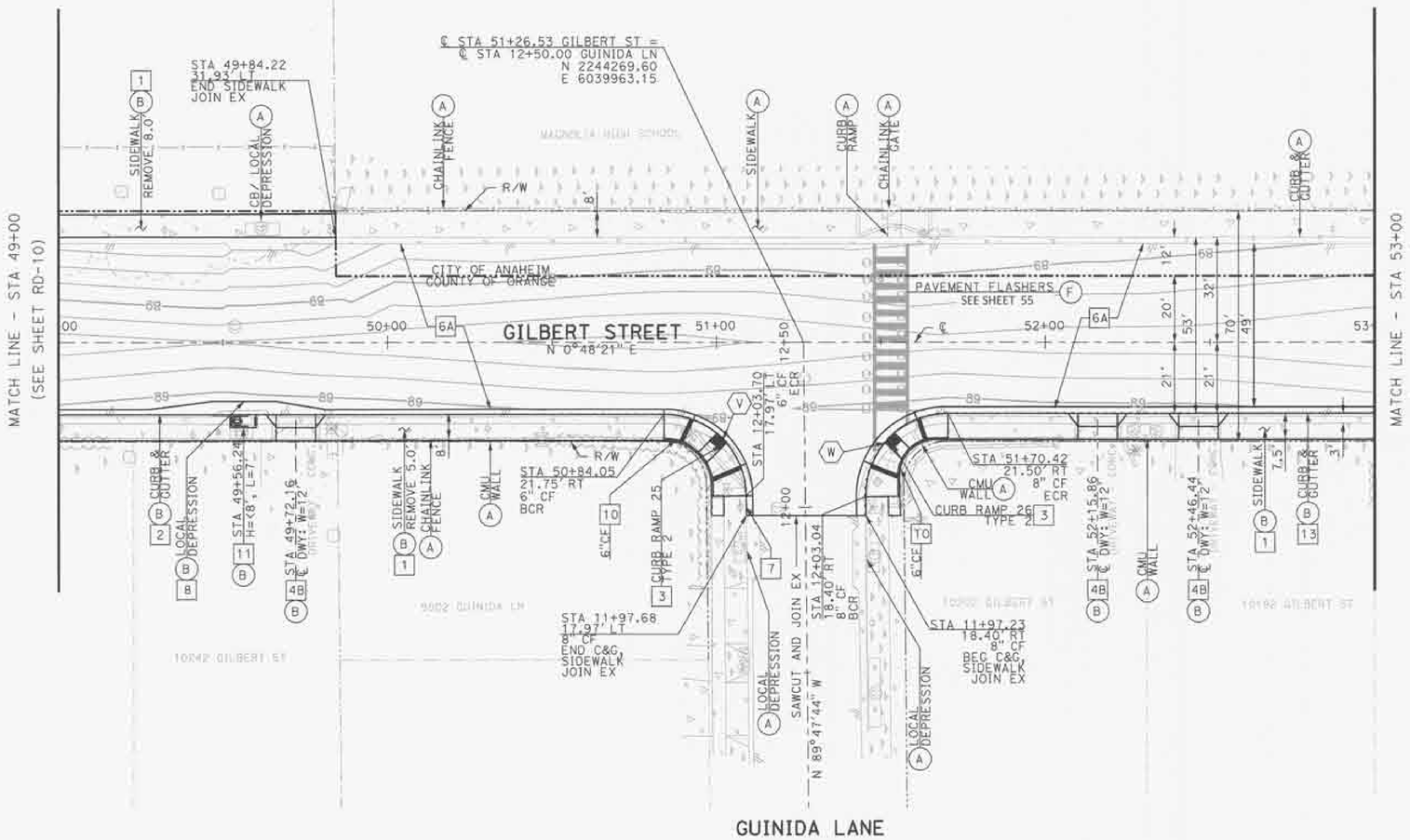
DIGALERT
CALL TOLL FREE 811
"LAVE ON 811"



CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
2. CONSTRUCT TYPE A2-150(6) 6" CURB AND GUTTER PER OCPW STD PLAN 120-2-OC (MODIFIED) (SEE SHEET 07 FOR ADDITIONAL DETAILS)
3. CONSTRUCT CURB RAMP PER OCPW STD. PLAN 1115. (SEE SHEET 07 FOR ADDITIONAL DETAILS).
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
7. CONSTRUCT CURB TRANSITION FROM 6" CF TO 8" CF. (SEE SHEET 07 FOR DETAIL)
8. CONSTRUCT LOCAL DEPRESSION PER OCPW STD. PLAN 1308.
10. CONSTRUCT RETAINING CURB PER OCPW STD PLAN 1115 DETAIL A.
11. CONSTRUCT INLET TYPE II PER OCPW STD PLAN 1302.
13. CONSTRUCT TYPE A2-150(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(F) SEE TRAFFIC SIGNAL PLANS (SEE SHEET 55)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

CURVE TABLE

#	DELTA/BRG	RADIUS	LENGTH	TANGENT	BC	EC
V	89°23'55"	25.00'	39.01'	35.17'	50+84.05	12+03.70
W	90°36'05"	25.00'	39.53'	35.54'	12+03.04	51+70.42

NOTE: SEE SHEET RP-11 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

DIGALERT
CALL TOLL FREE 811

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM MATELLA AVENUE
TO BALL ROAD

ROAD PLAN
STA 49+00 TO STA 53+00

Sheet Reference Number
RD-11

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CURVE TABLE

#	DELTA/BRG	RADIUS	LENGTH	TANGENT	BC	EC
X	58°26'27"	11.00'	11.22'	10.74'	56+45.36	56+54.71
Y	58°36'59"	11.00'	11.25'	10.76'	56+54.71	56+64.14

NOTE: SEE SHEET RP-12 FOR PROFILE

CONSTRUCTION NOTES

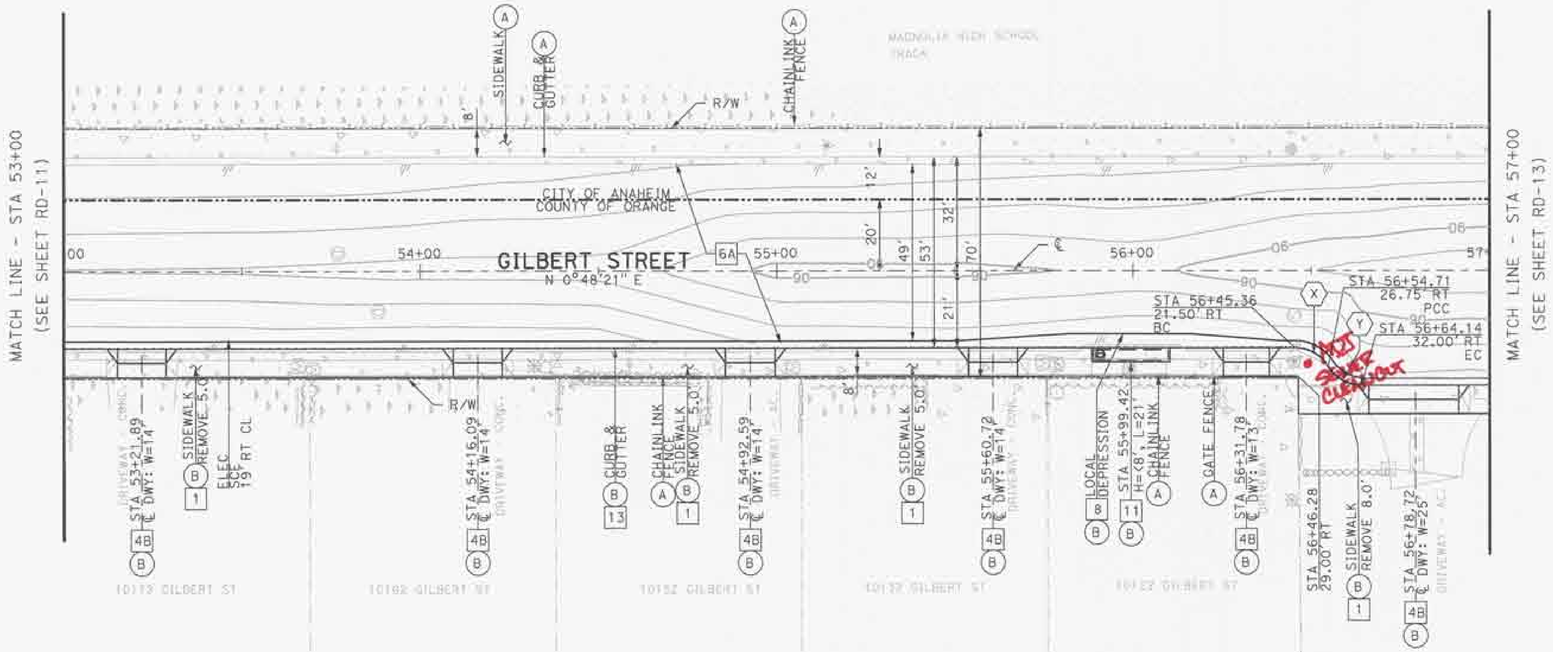
1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
8. CONSTRUCT LOCAL DEPRESSION PER OCPW STD. PLAN 1308.
11. CONSTRUCT INLET TYPE II PER OCPW STD PLAN 1302.
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.



1" = 20'
20 10 0 20 40
3 inches on original drawing

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLEMS
DRAWN BY: V. HELLEMS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PLAN
STA 53+00 TO STA 57+00

Sheet Reference Number
RD-12

Sheet 20 of 72

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CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

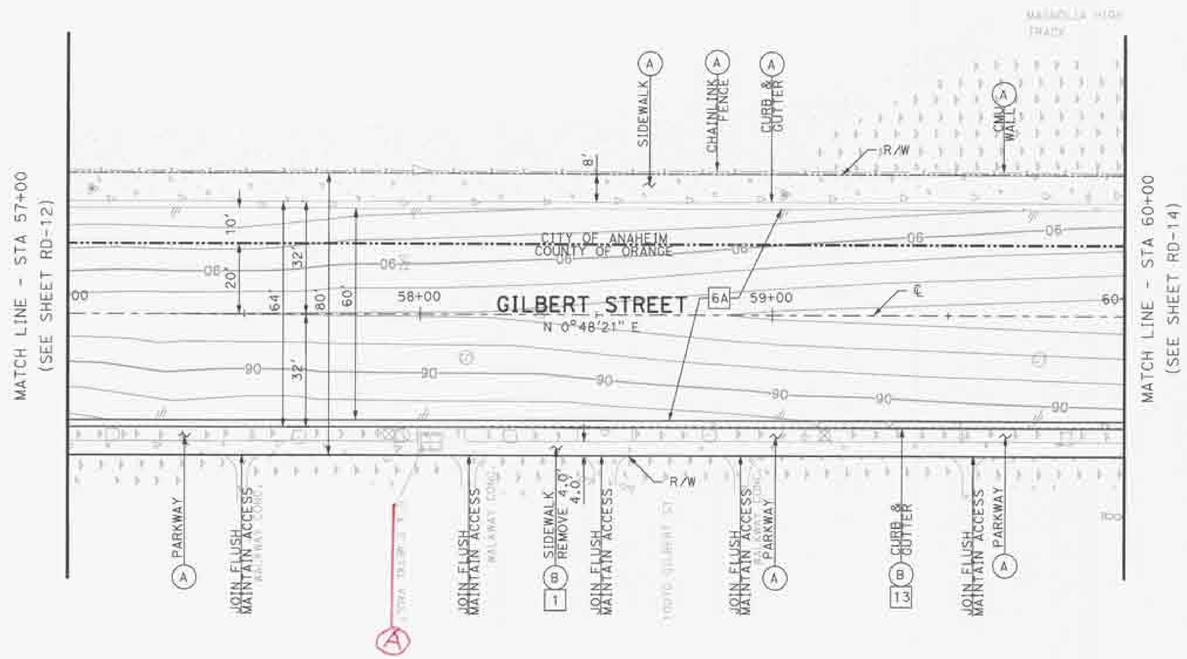
REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(D) ADJUST TO GRADE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-13 FOR PROFILE



1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
AMISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-7100
FAX: (714) 545-8665

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PLAN
STA 57+00 TO STA 60+00

Sheet Reference Number
RD-13

Sheet 21 of 72

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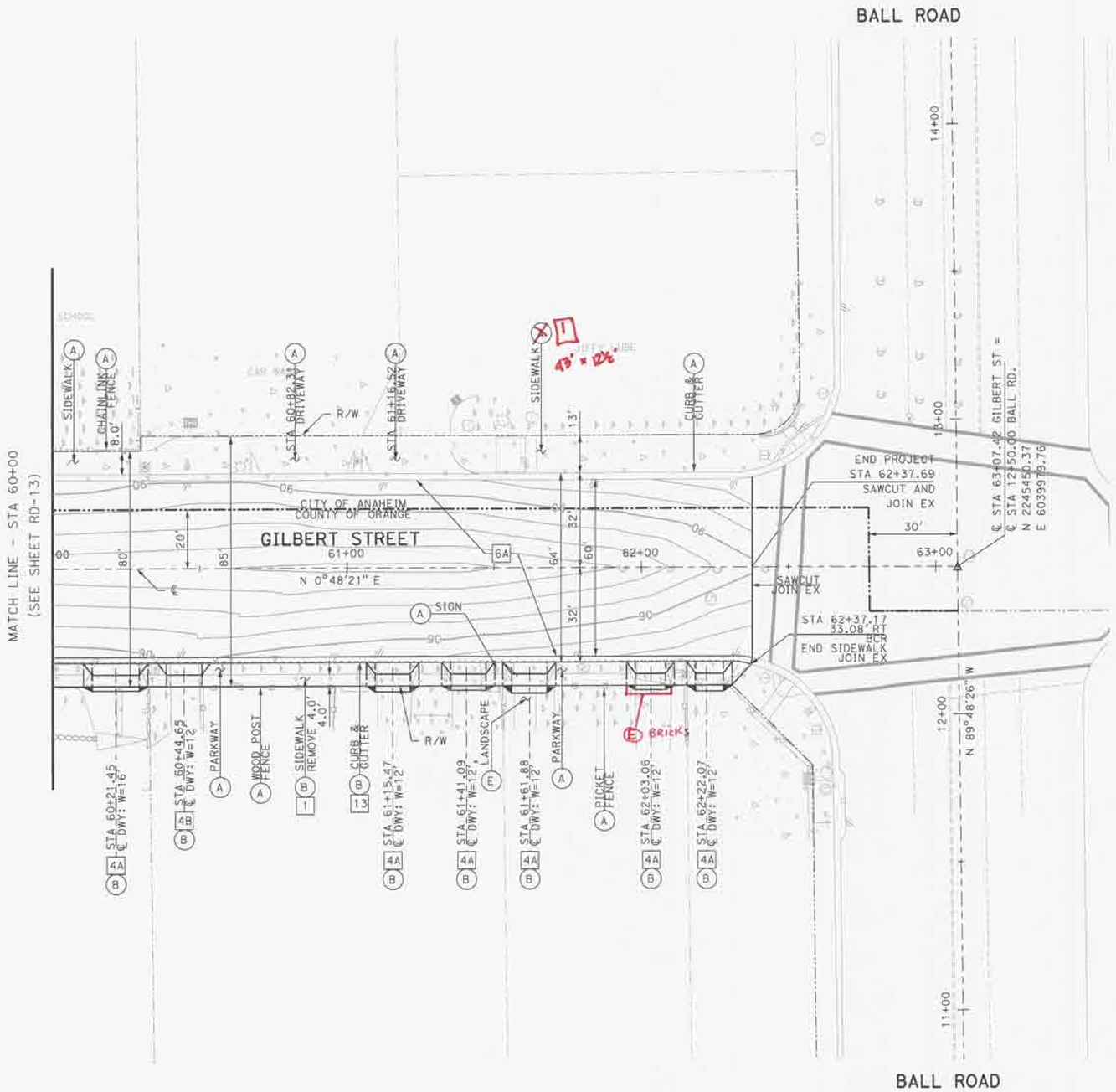
DIGALERT
CALL TOLL FREE 811



CONSTRUCTION NOTES

1. CONSTRUCT 4" THICK PCC SIDEWALK PER OCPW STD. PLAN 1205.
4A. CONSTRUCT 6" THICK PCC MODIFIED DRIVEWAY PER OCPW STD PLAN 1209. (SEE SHEET 08, DETAIL A OR A2 FOR ADDITIONAL DETAILS).
4B. CONSTRUCT 6" THICK PCC DRIVEWAY PER OCPW STDPLAN 1209. (SEE SHEET 08, DETAIL B FOR ADDITIONAL DETAILS)
6A. REMOVE 5" EXISTING AC PAVEMENT AND BASE, AND RECONSTRUCT 5" WMAC PAVEMENT
13. CONSTRUCT TYPE A2-200(8) 8" CURB AND GUTTER PER OCPW STD. PLAN 120-2-OC.

REMOVAL AND DISPOSITION

(A) PROTECT IN PLACE (ITEM AS INDICATED)
(B) REMOVE (ITEM AS INDICATED)
(E) REMOVE AND RELOCATE (ITEM AS INDICATED)

NOTE

1. SEE RD-01 FOR STREET IMPROVEMENT GENERAL NOTES.

NOTE: SEE SHEET RP-14 FOR PROFILE

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZIS
04/30/2014
DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PLAN
STA 60+00 TO STA 63+07

Sheet Reference Number
RD-14

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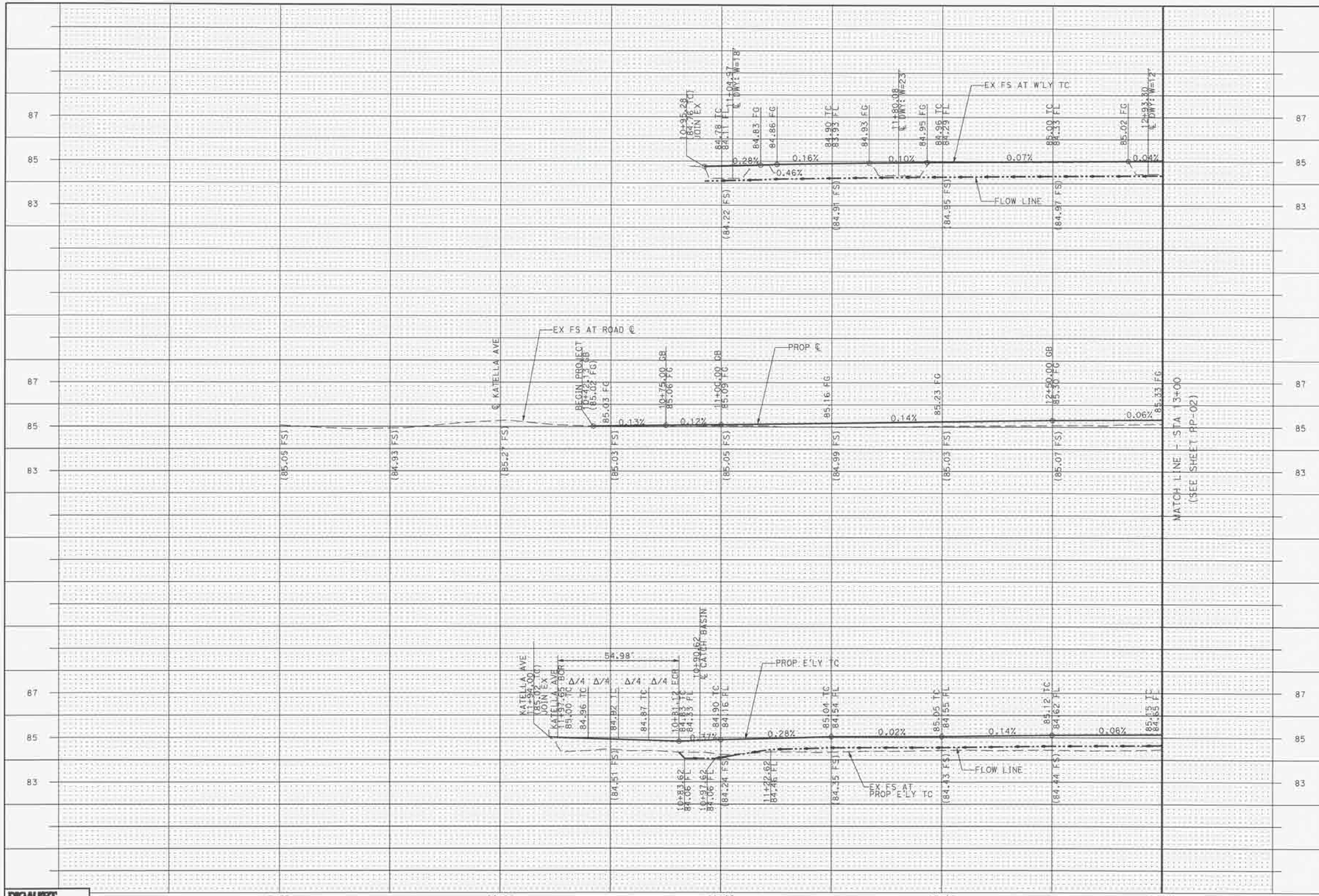
DIGALERT
CAL. TOLL FREE 811
"LIKE THE 811"



NOTE: SEE SHEET RD-01 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 9+00 TO STA 13+00

Sheet Reference Number
RP-01

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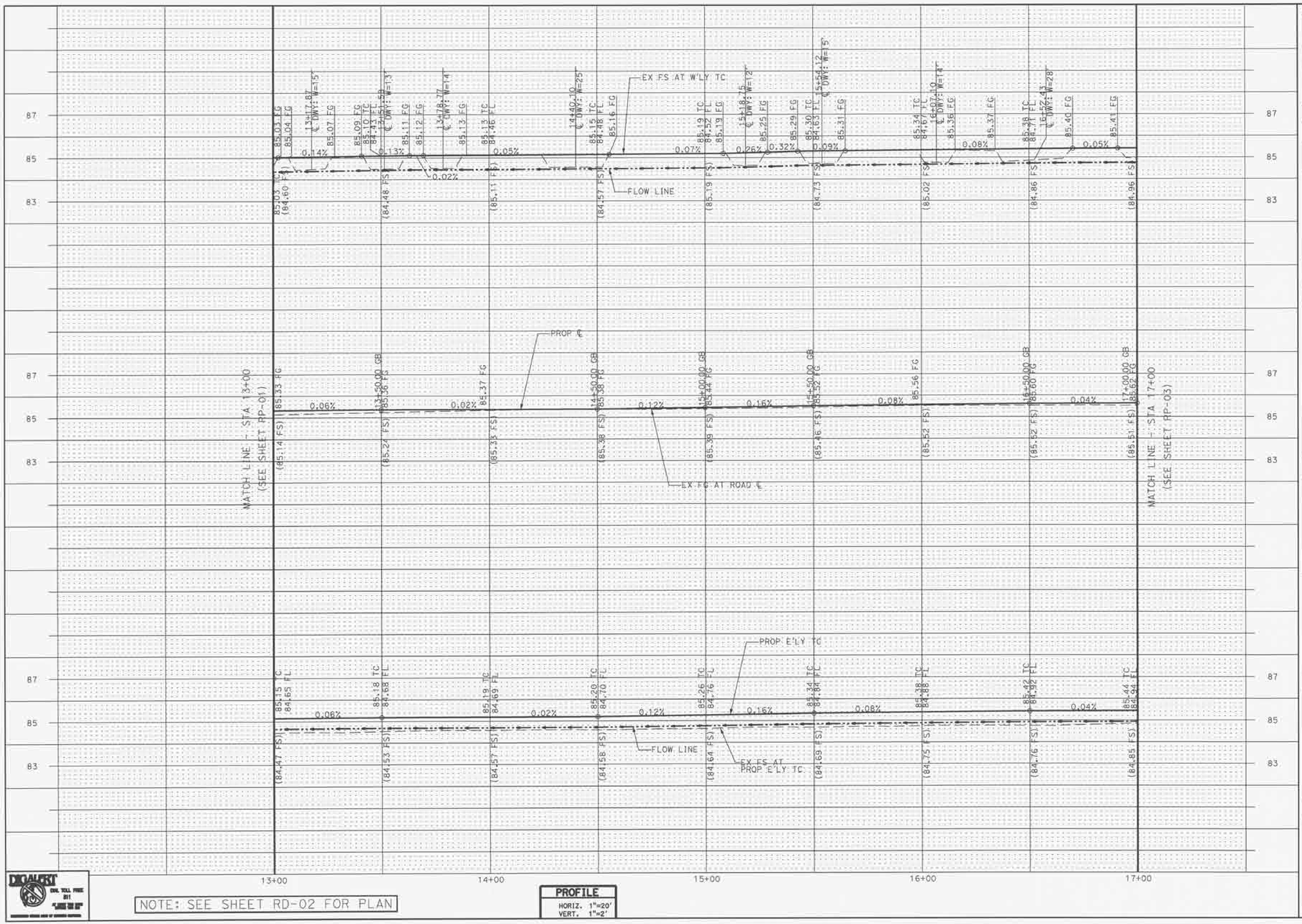

NOTE: SEE SHEET RD-02 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1333
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE

STA 13+00 TO STA 17+00

Sheet Reference Number
RP-02

Sheet 24 of 72

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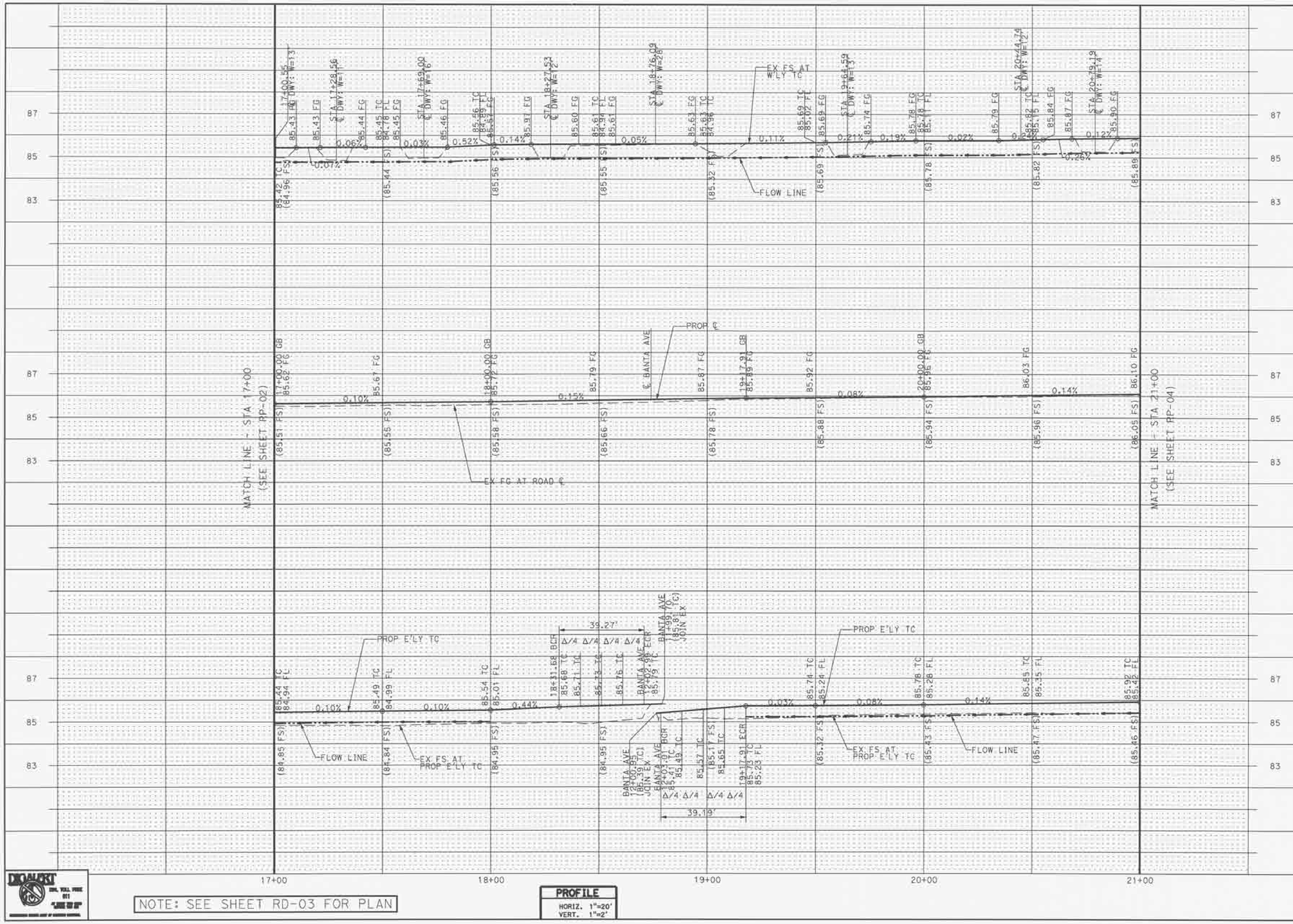


NOTE: SEE SHEET RD-03 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL (714) 545-1333
FAX: (714) 545-8883

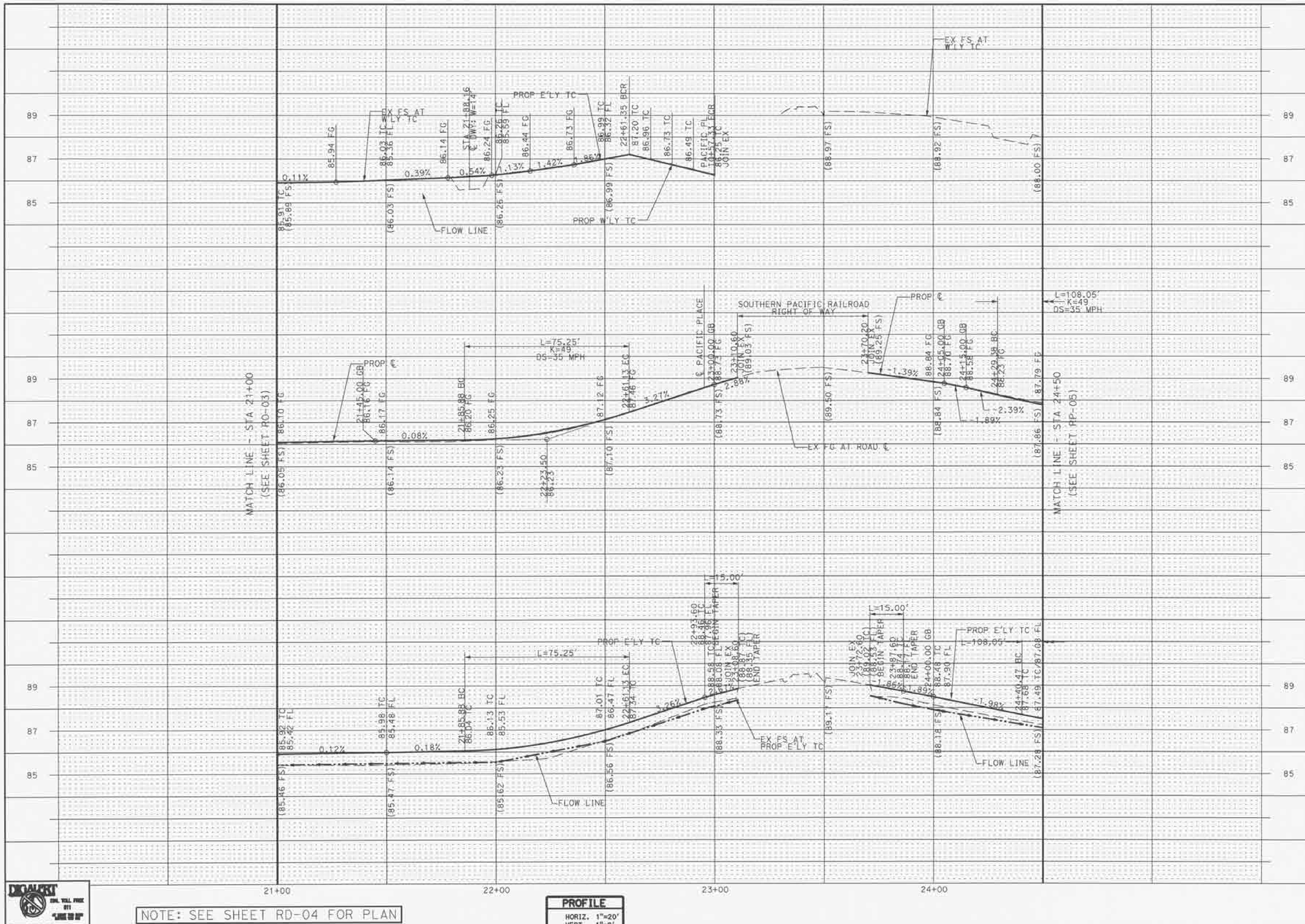
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PROFILE
STA 17+00 TO STA 21+00

Sheet Reference Number
RP-03

Sheet 25 of 72

M:\2014\0309005\TRANSP\SHEETS\c-prof-03.dgn



NOTE: SEE SHEET RD-04 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

DIGALERT
TOLL FREE
811

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — 04/30/2014

DESIGNED BY: V. HELLEMS
DRAWN BY: V. HELLEMS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1131
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE

STA 21+00 TO STA 24+50

Sheet Reference Number

RP-04

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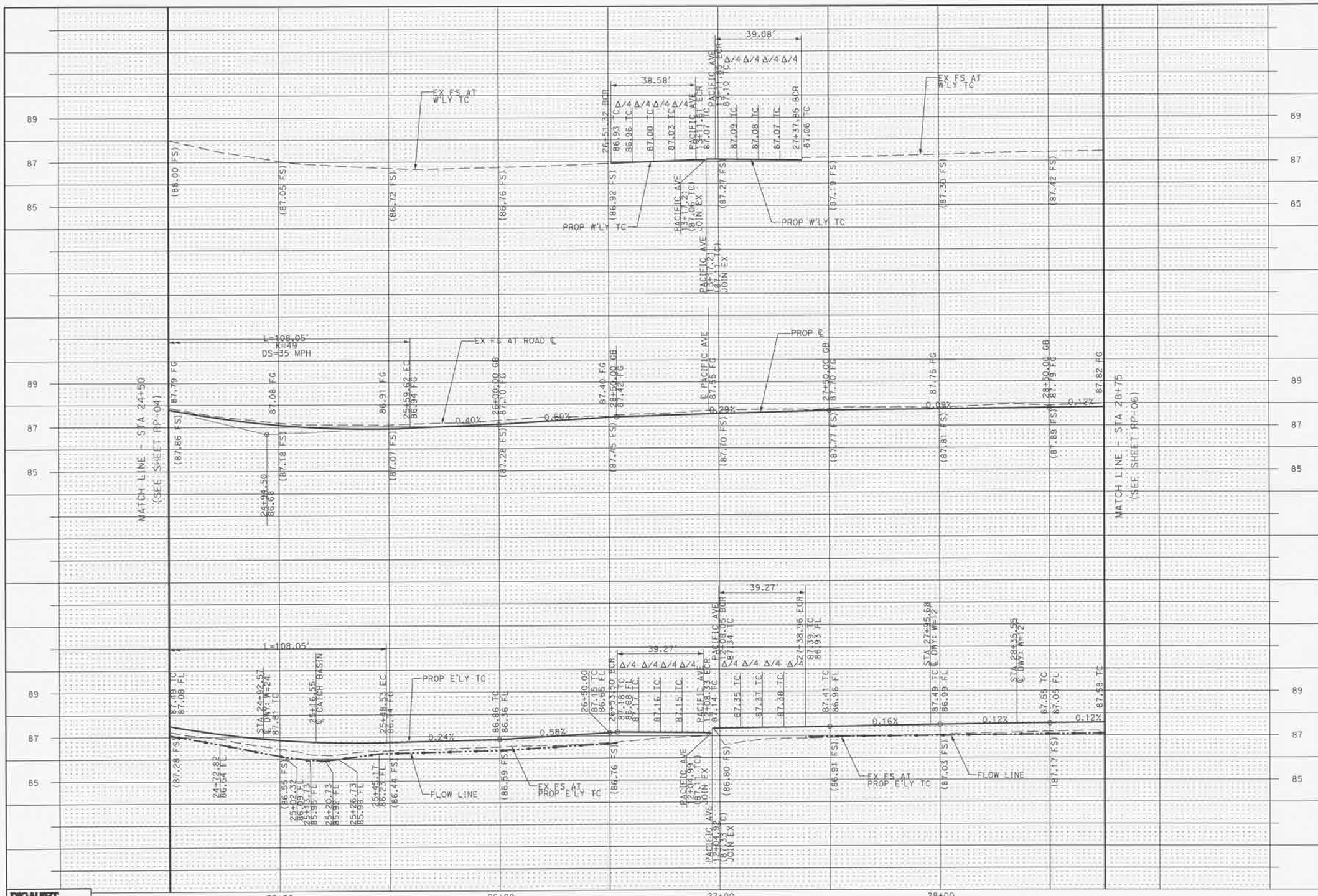


NOTE: SEE SHEET RD-05 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: V. HELLEWS
DRAWN BY: V. HELLEWS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

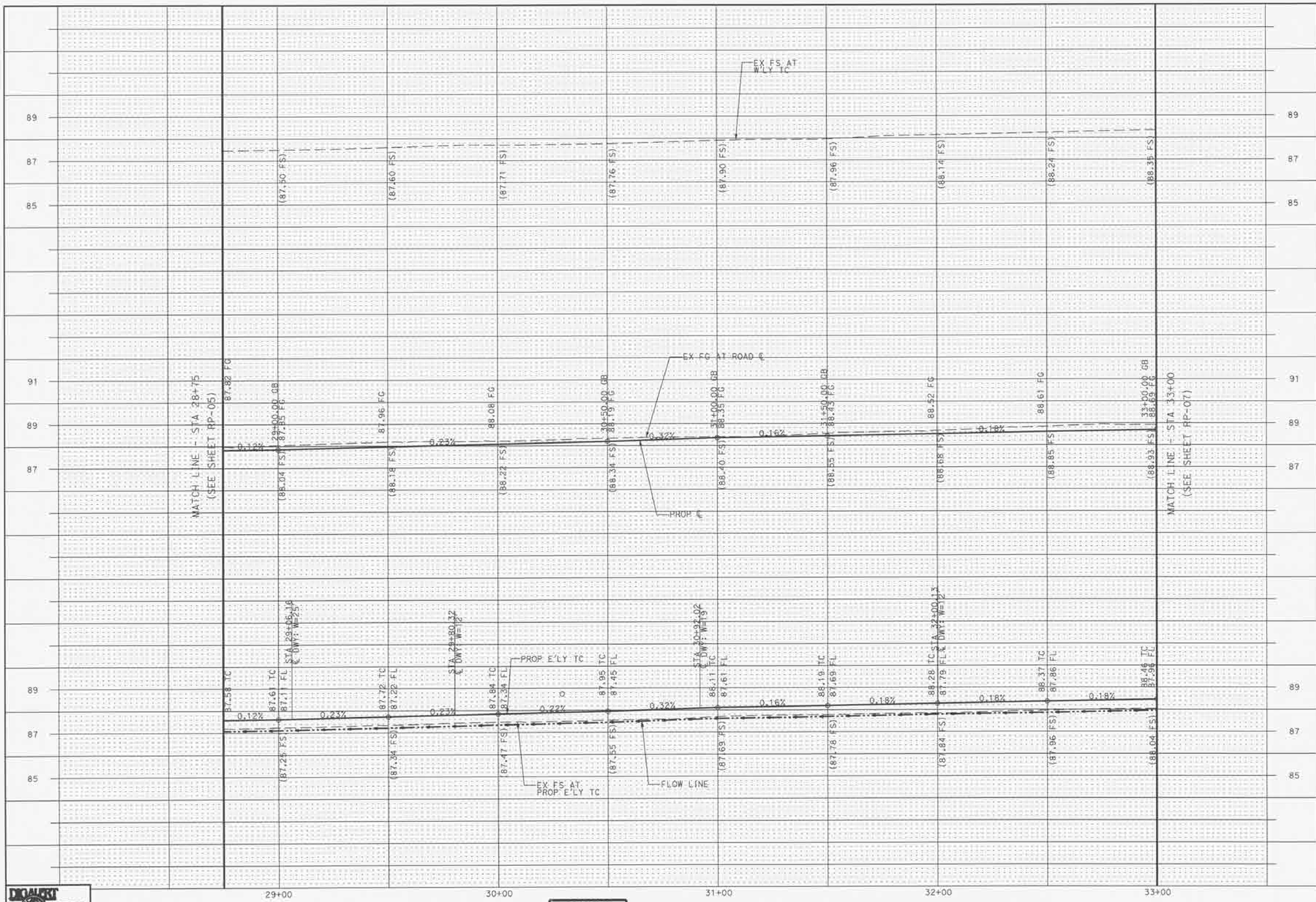
ROAD PROFILE

STA 24+50 TO STA 28+75

Sheet Reference Number
RP-05

Sheet 27 of 72

M:\CORA\30905\TRANSP\SHEETS\rc-prof-05.dgn



NOTE: SEE SHEET RD-06 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

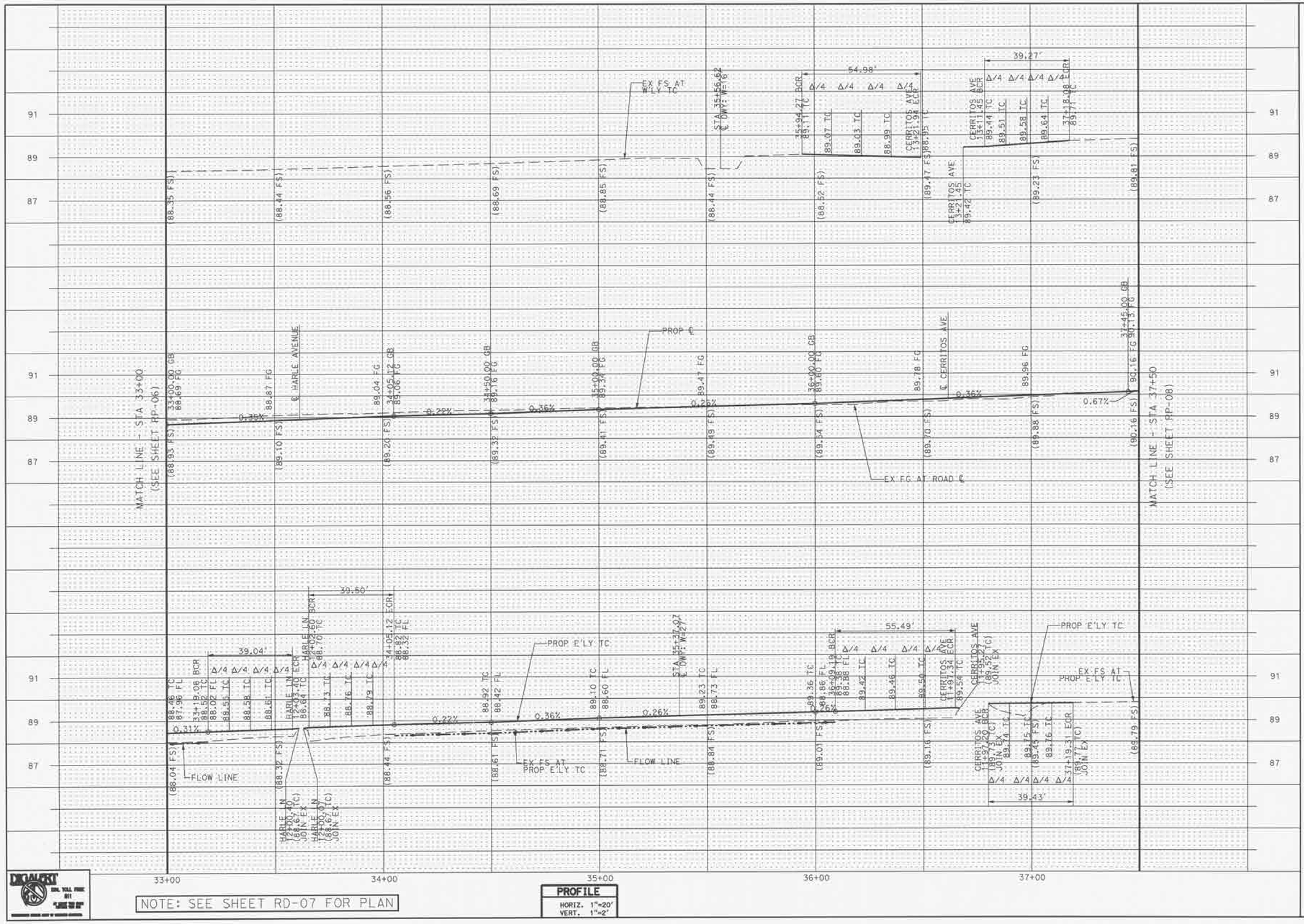
GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 28+75 TO STA 33+00

Sheet Reference Number
RP-06

Sheet 28 of 72

M:\20\A030905\TRANSP\SHEETS\rd-prof-06.dgn



NOTE: SEE SHEET RD-07 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1153
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PROFILE

STA 33+00 TO STA 37+50

Sheet Reference Number

RP-07

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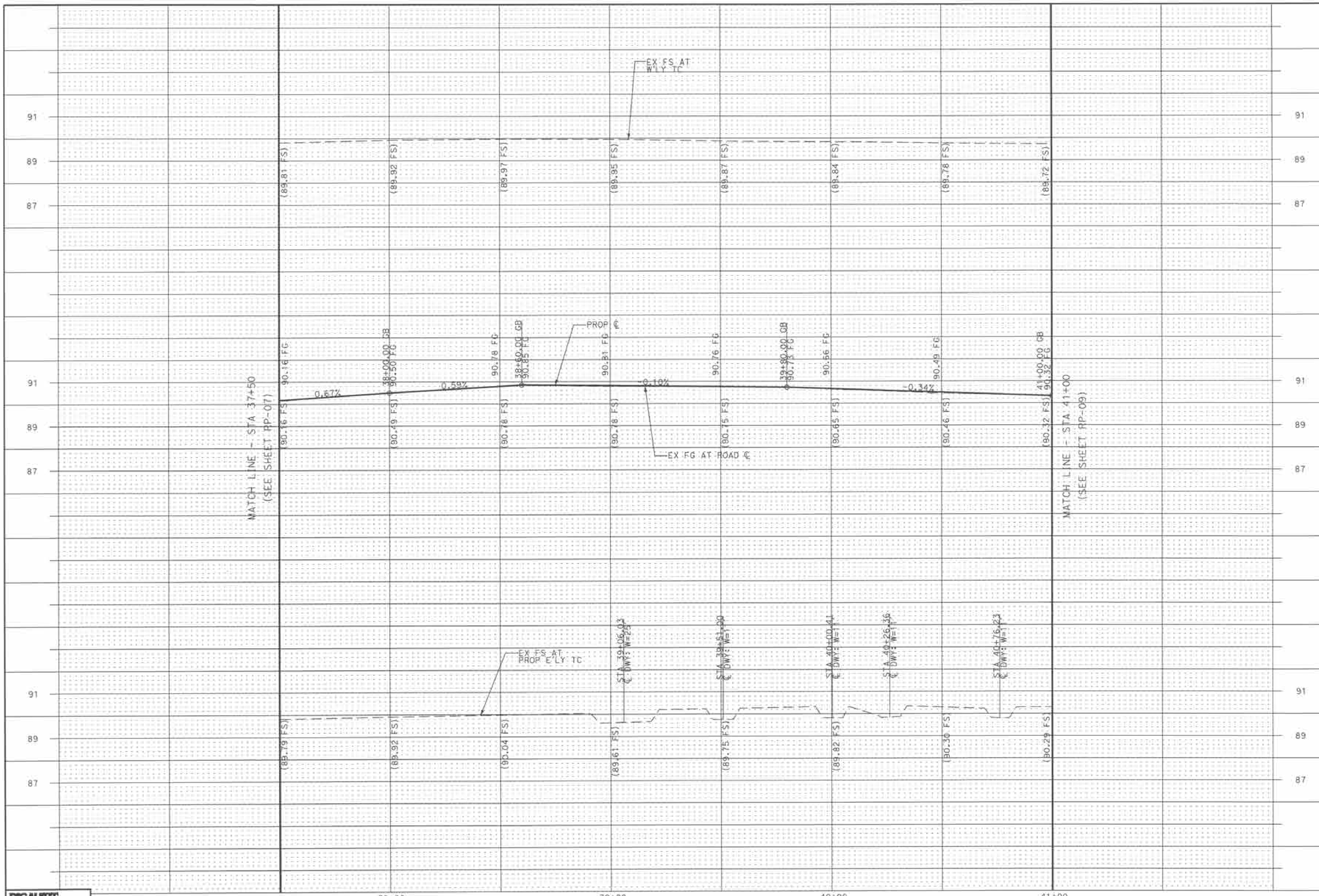


NOTE: SEE SHEET RD-08 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: Y. HELLEMS
DRAWN BY: Y. HELLEMS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1122
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 37+50 TO STA 41+00

Sheet Reference Number
RP-08

M:\2008\103905\TRANSP\SHEETS\c-prof-08.dgn

NOTE: SEE SHEET RD-09 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: **PSOMAS**
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

ROAD PROFILE

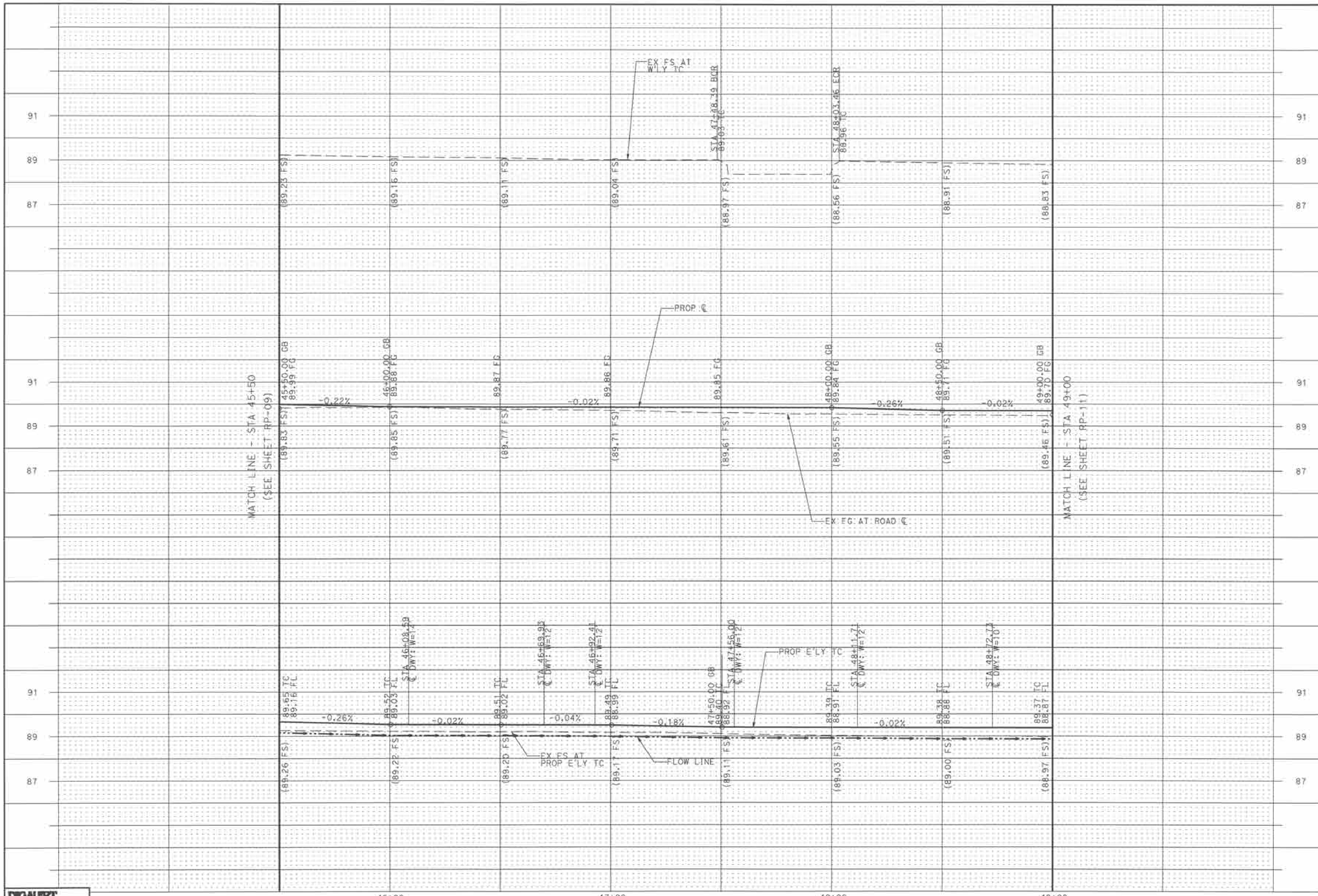
STA 41+00 TO STA 45+50

Sheet Reference Number

RP-09

Sheet 31 of 72

M:\CORA\30905\SYMANGS\SHEETS\C-prof-09.dgn



NOTE: SEE SHEET RD-10 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8683

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 45+50 TO STA 49+00

Sheet Reference Number
RP-10

Sheet 32 of 72

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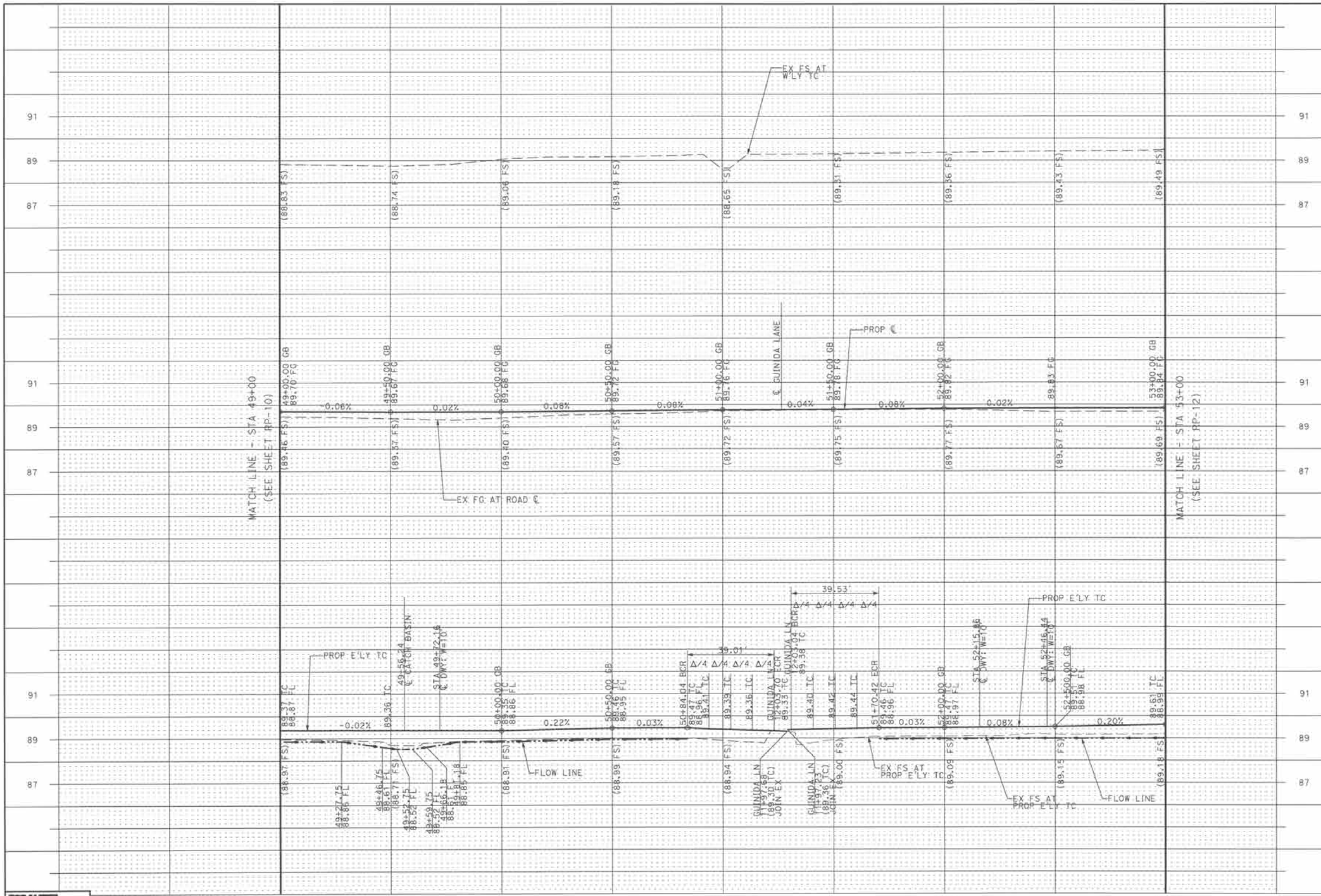

NOTE: SEE SHEET RD-11 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 49+00 TO STA 53+00

Sheet Reference Number
RP-11

Sheet 33 of 72

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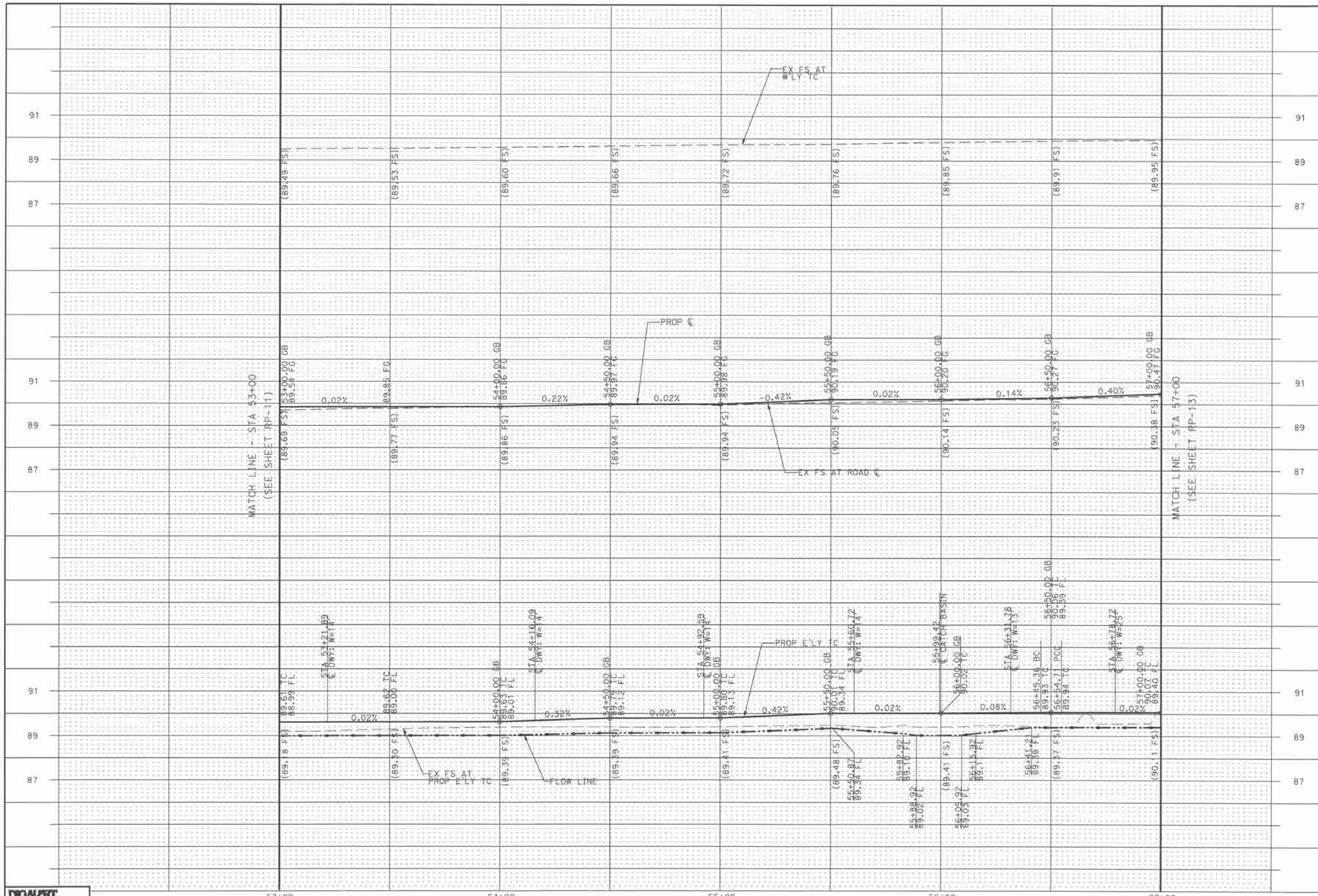

NOTE: SEE SHEET RD-12 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
DATE: 04/30/2014

DESIGNED BY: V. HELLEMS
DRAWN BY: V. HELLEMS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
SCALE: 1"=20'
PLOT DATE: 04/30/2014

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 53+00 TO STA 57+00

Sheet Reference Number
RP-12

Sheet 34 of 72

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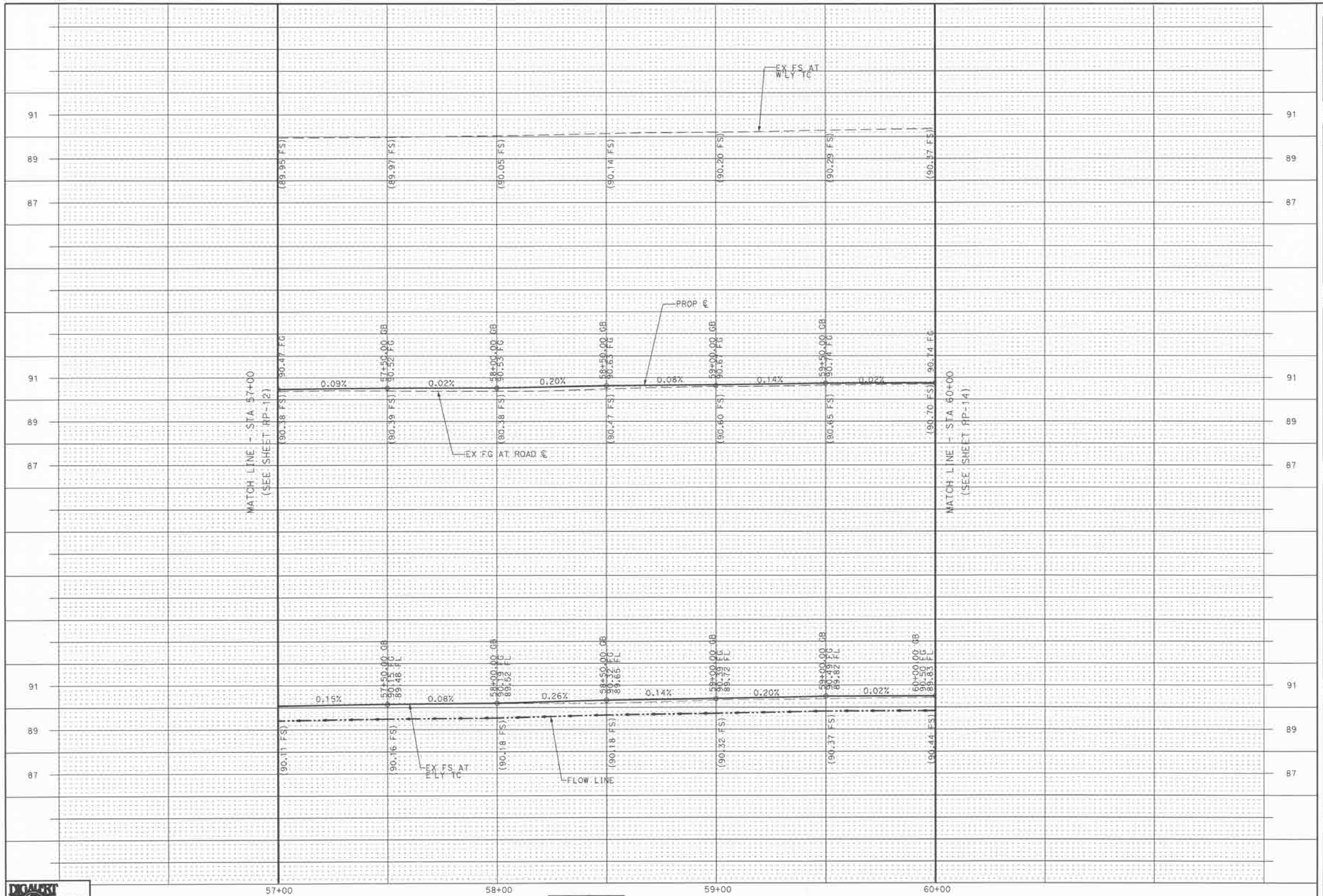

NOTE: SEE SHEET RD-13 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: V. HELLERS
DRAWN BY: V. HELLERS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 57+00 TO STA 60+00

Sheet Reference Number
RP-13

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NOTE: SEE SHEET RD-14 FOR PLAN

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

DIGALERT
CAL. TOLL FREE 811
"LIKE 911"

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
04/30/2014
DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

ROAD PROFILE
STA 60+00 TO STA 63+07

Sheet Reference Number
RP-14

Sheet 36 of 72

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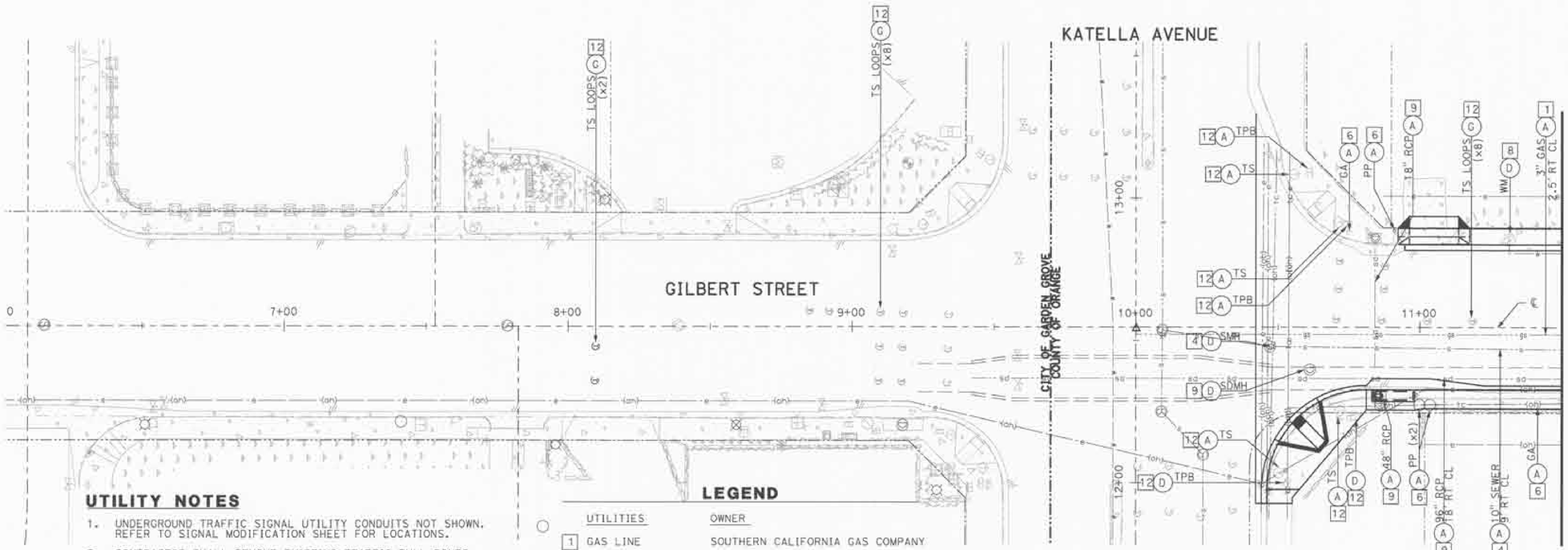


UTILITY NOTES

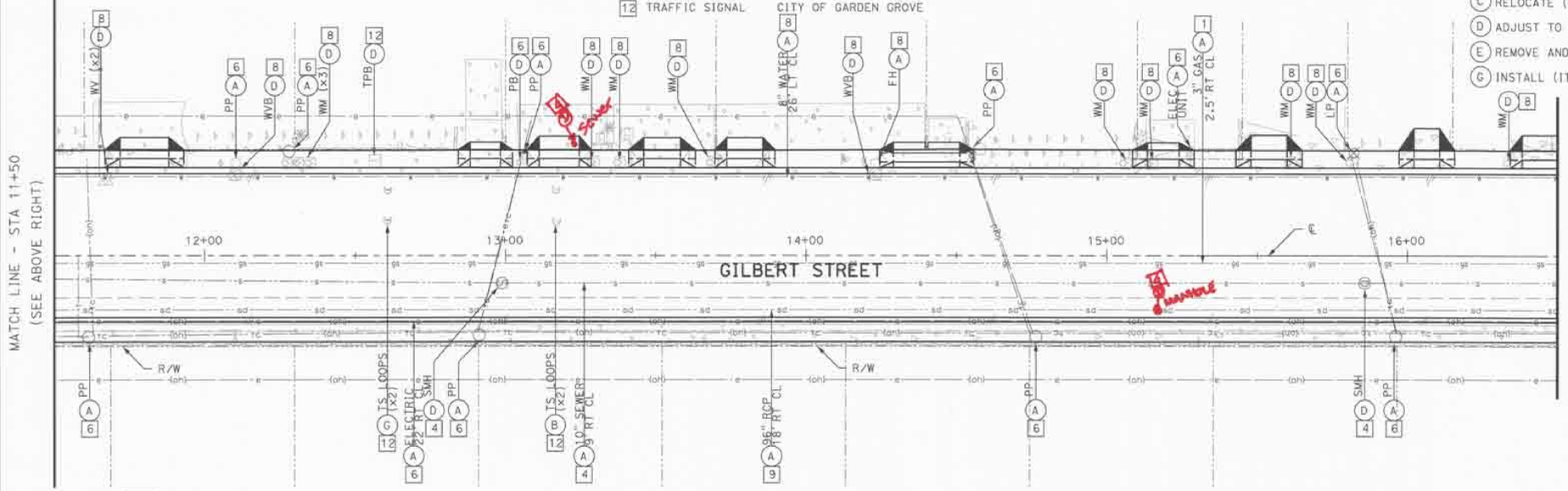
1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION T OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
8	WATER LINE	COLONIA MUTUAL WATER COMPANY
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
12	TRAFFIC SIGNAL	CITY OF GARDEN GROVE

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (G) INSTALL (ITEM AS INDICATED)



MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/12/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8805

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

UTILITY PLANS

STA 5+00 TO STA 16+50

Sheet Reference Number

UT-01

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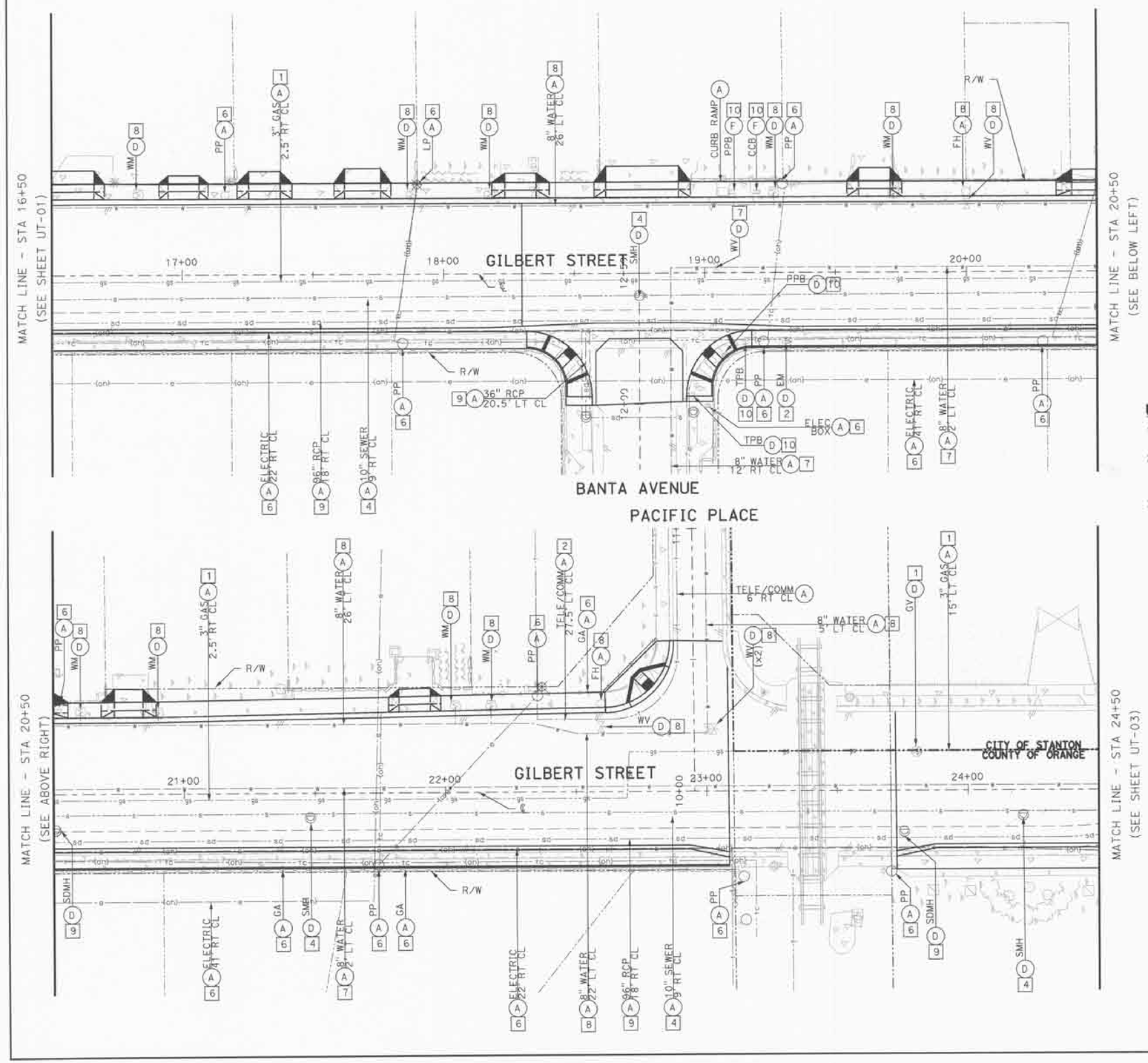

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
2	TELE/COMM LINE	AT&T
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
8	WATER LINE	COLONIA MUTUAL WATER COMPANY
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
10	TRAFFIC SIGNAL	ORANGE COUNTY TRAFFIC ENGINEERING

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE: 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/20/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

UTILITY PLANS

STA 16+50 TO STA 24+50

Sheet Reference Number

UT-02

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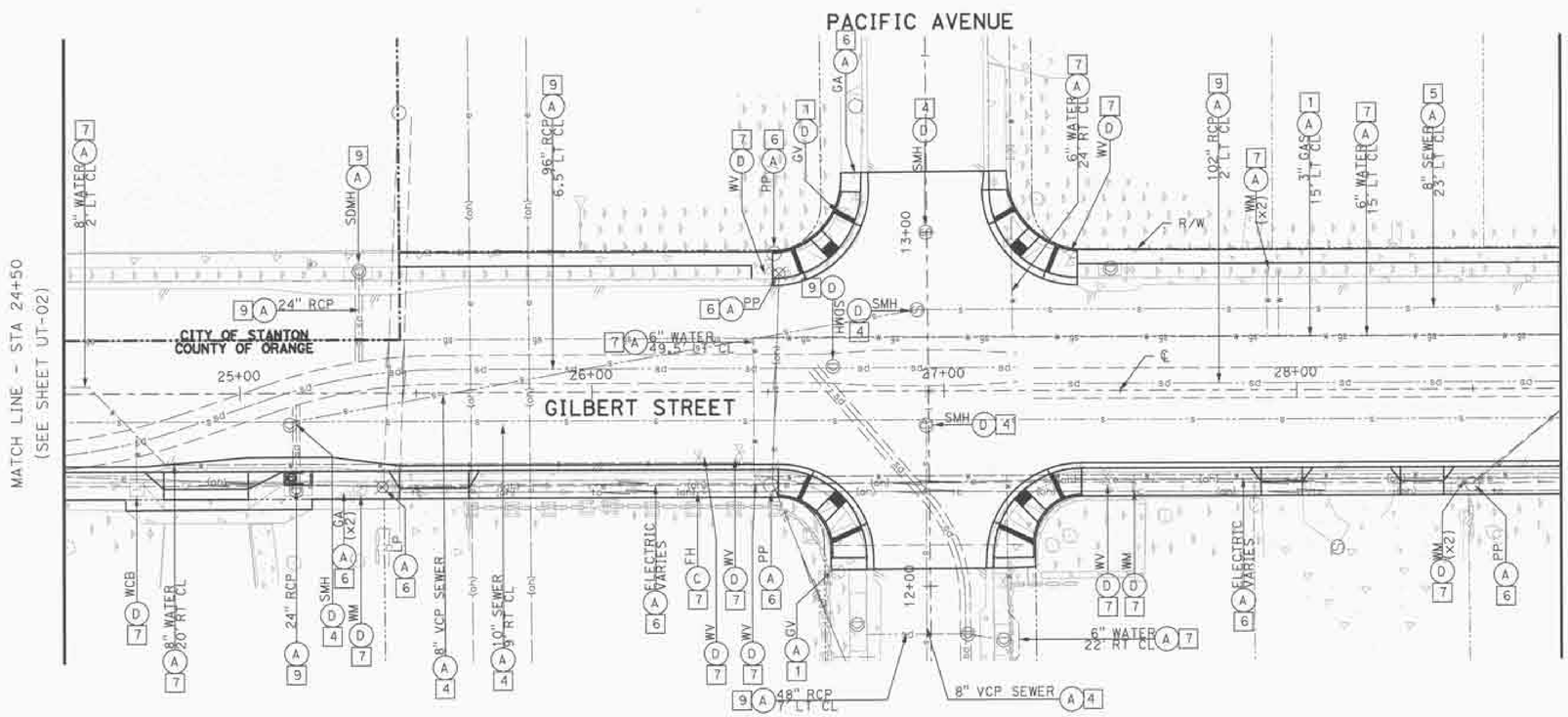

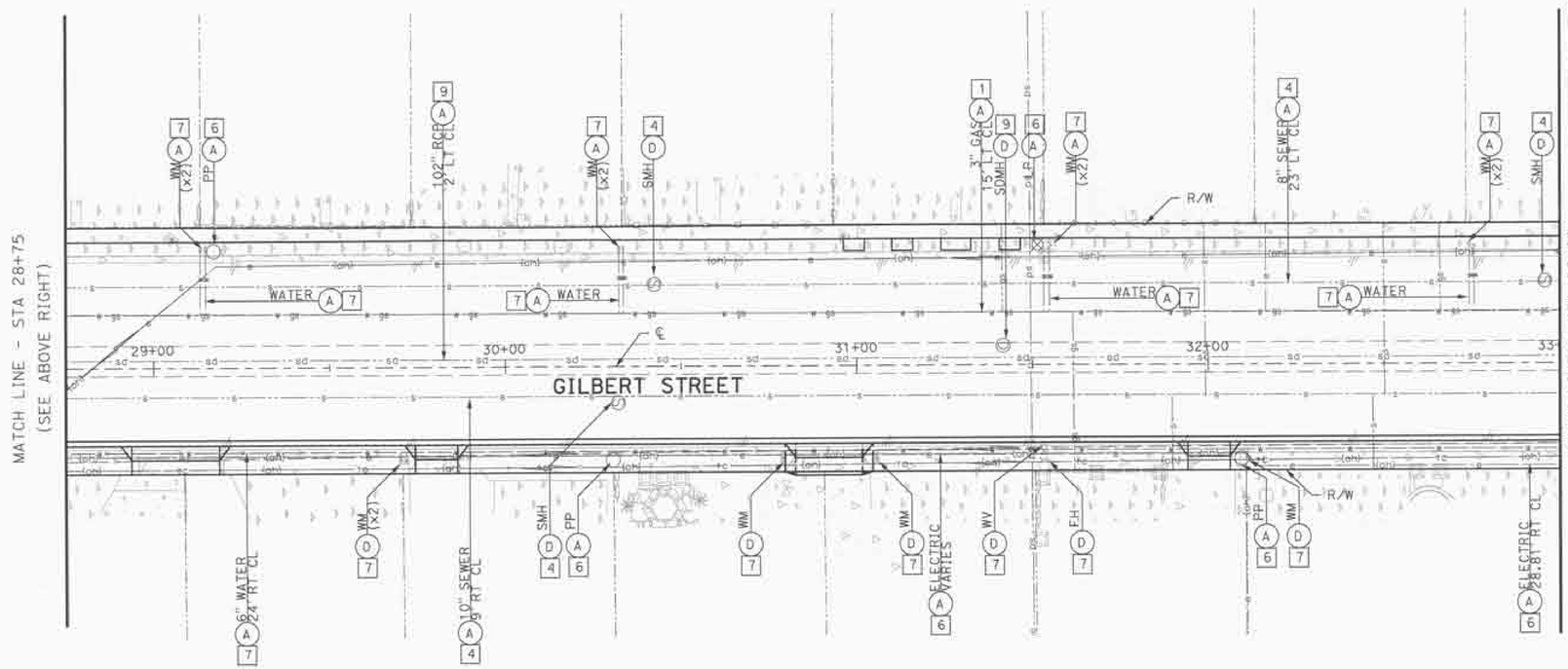

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
5	SEWER LINE	CITY OF ANAHEIM SEWER AND STORM DRAIN
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, REGISTERED PROFESSIONAL ENGINEER, CIVIL, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/20/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

UTILITY PLANS

STA 24+50 TO STA 33+00

Sheet Reference Number

UT-03

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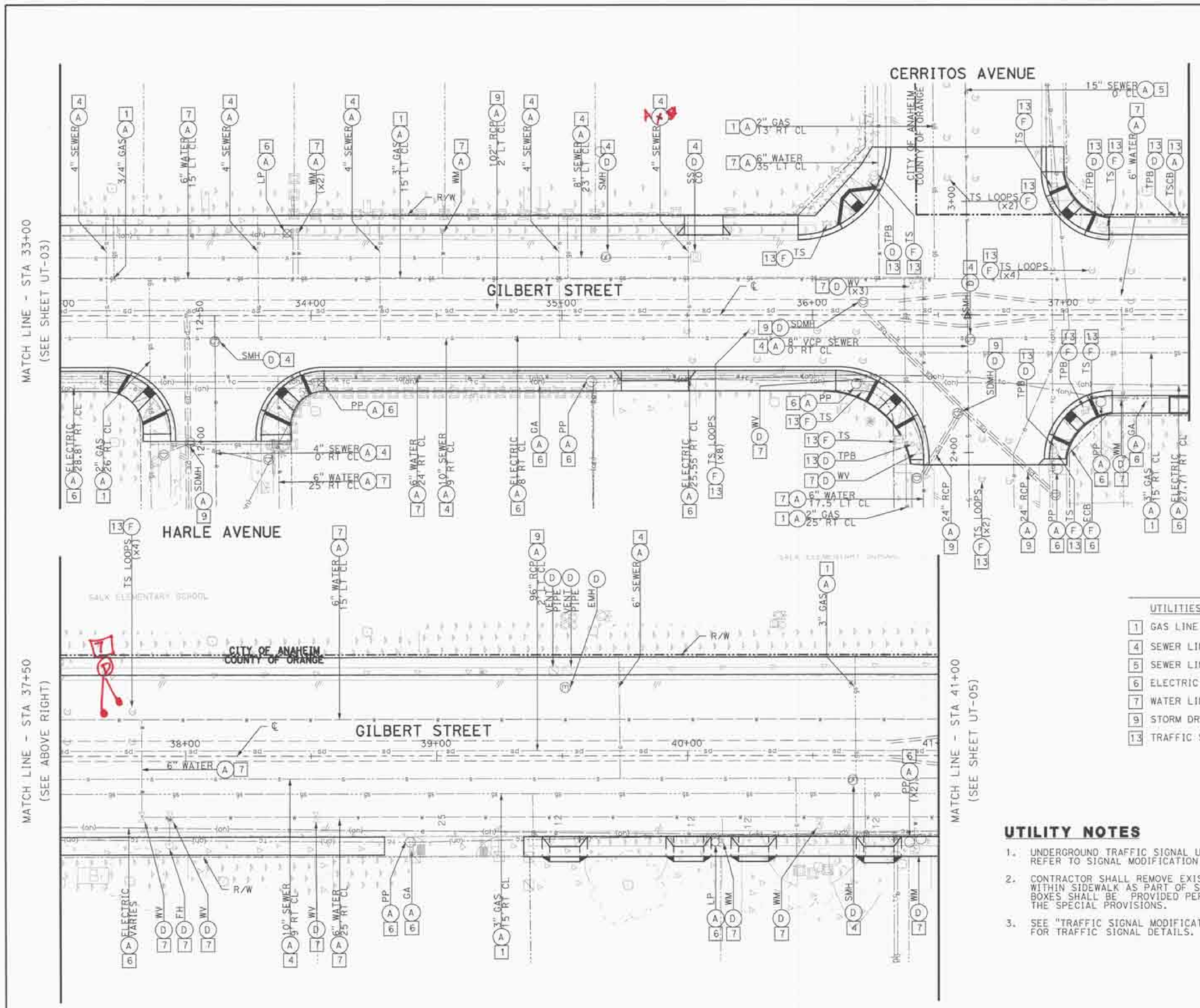

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
5	SEWER LINE	CITY OF ANAHEIM SEWER AND STORM DRAIN
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
13	TRAFFIC SIGNAL	CITY OF ANAHEIM

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
ANISSA VOYIATZES
04/30/2014
DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/26/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

UTILITY PLANS

STA 33+00 TO STA 41+00

Sheet Reference Number

UT-04

Sheet 40 of 72

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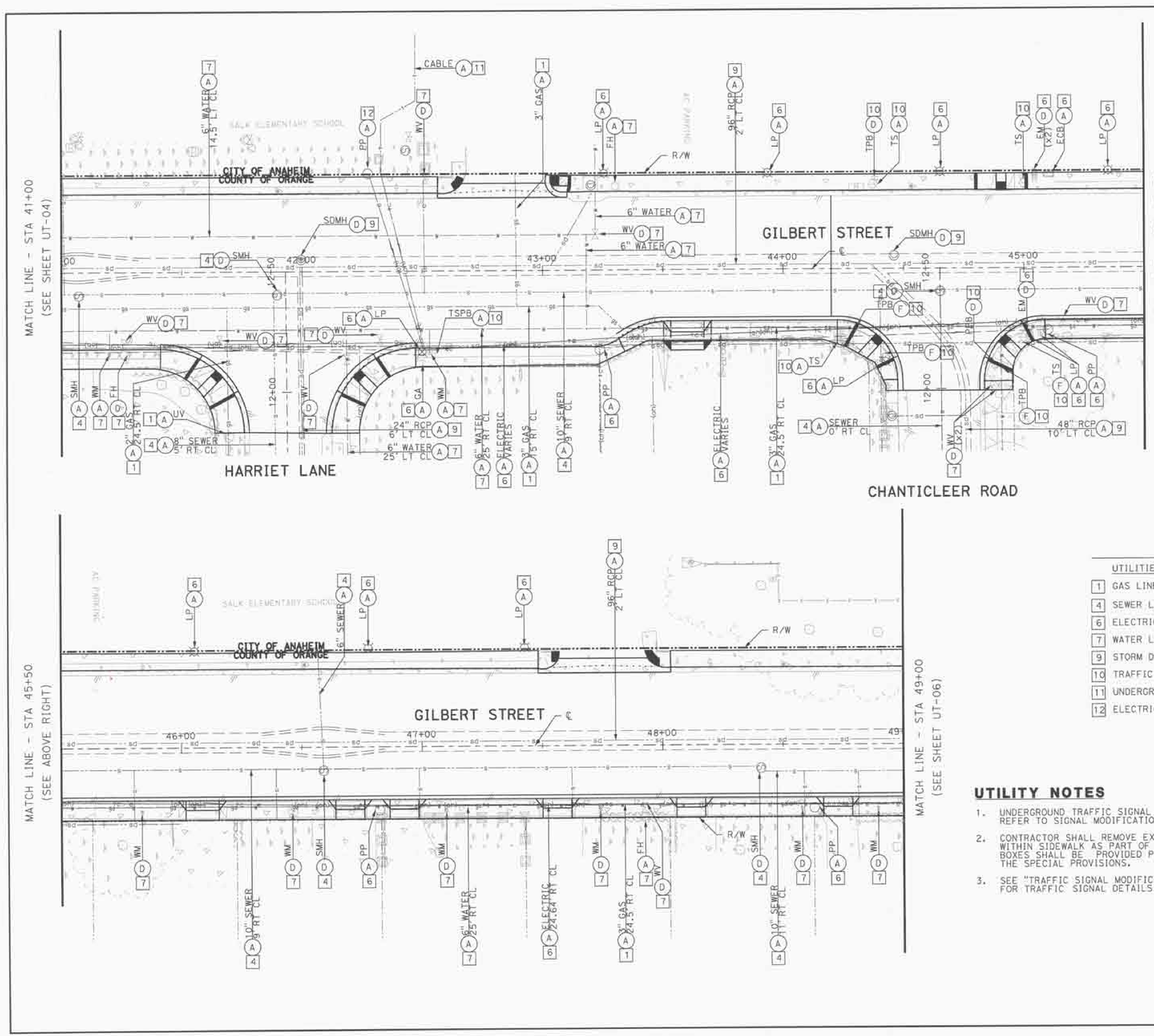

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
10	TRAFFIC SIGNAL	ORANGE COUNTY TRAFFIC ENGINEERING
11	UNDERGROUND CABLE	TIME WARNER CABLE
12	ELECTRIC LINE	CITY OF ANAHEIM PUBLIC UTILITY

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
MELISSA VOYIATZIS
04/30/2014
DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/20/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

UTILITY PLANS

STA 41+00 TO STA 49+00

Sheet Reference Number

UT-05

Sheet 41 of 72

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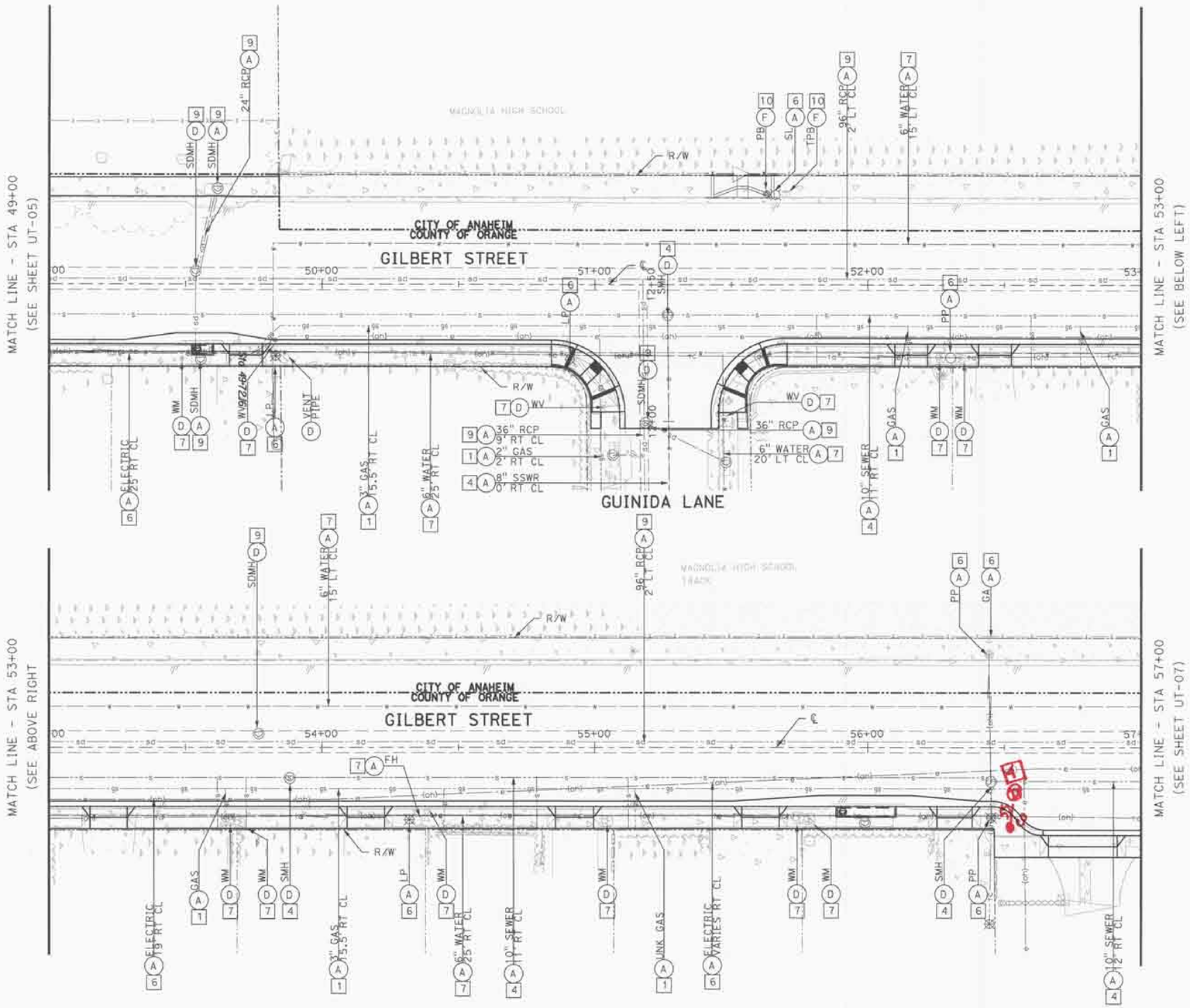

REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (F) SEE TRAFFIC SIGNAL PLANS

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
10	TRAFFIC SIGNAL	ORANGE COUNTY TRAFFIC ENGINEERING

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/20/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM MATELLA AVENUE TO BALL ROAD

UTILITY PLANS

STA 49+00 TO STA 57+00

Sheet Reference Number

UT-06

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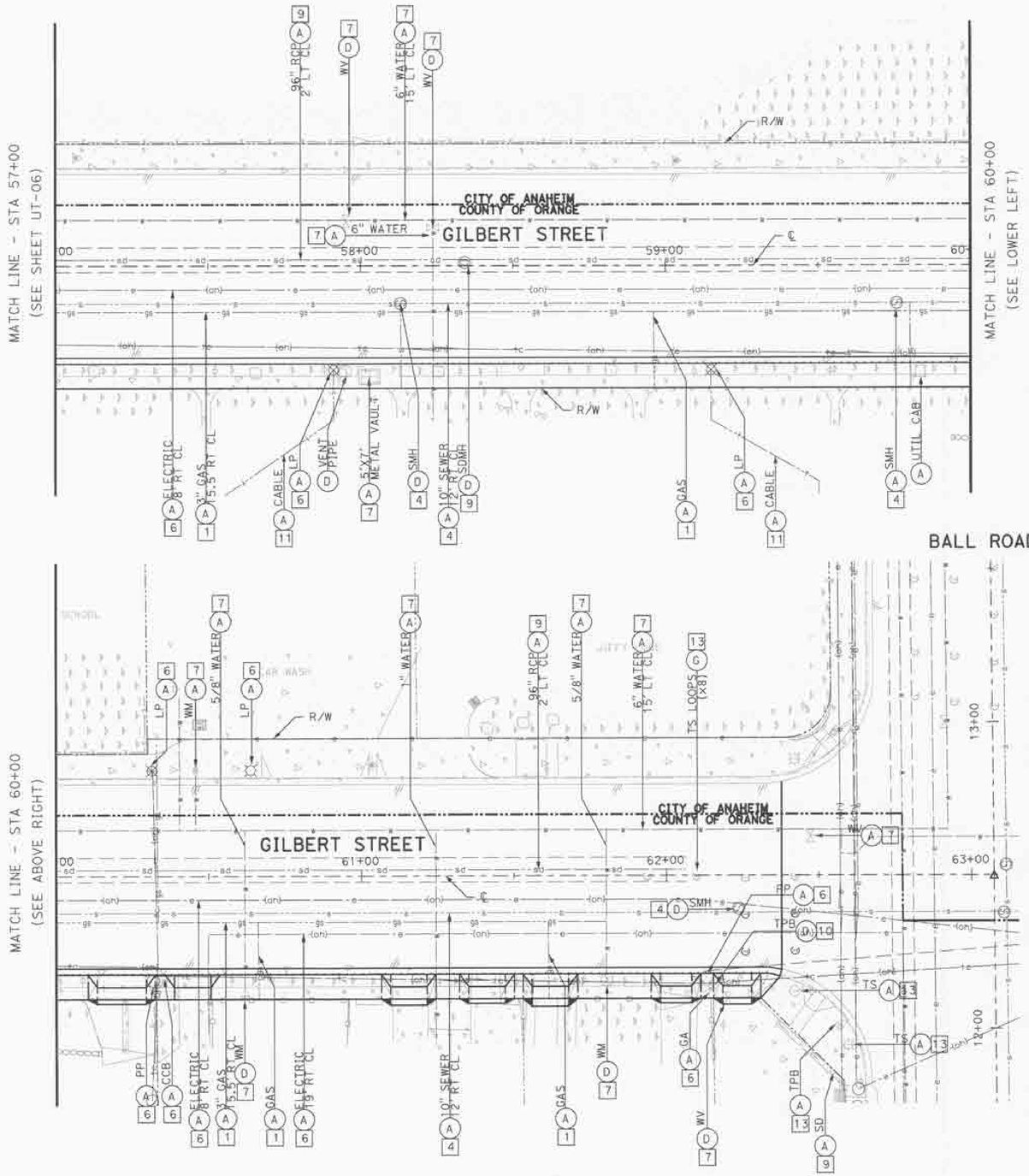


REMOVAL AND DISPOSITION

- (A) PROTECT IN PLACE (ITEM AS INDICATED)
- (B) REMOVE (ITEM AS INDICATED)
- (C) RELOCATE (ITEM AS INDICATED)
- (D) ADJUST TO GRADE (ITEM AS INDICATED)
- (E) REMOVE AND REPLACE (ITEM AS INDICATED)
- (G) INSTALL (ITEM AS INDICATED)

LEGEND

	UTILITIES	OWNER
1	GAS LINE	SOUTHERN CALIFORNIA GAS COMPANY
4	SEWER LINE	GARDEN GROVE SANITATION DISTRICT
6	ELECTRIC LINE	SOUTHERN CALIFORNIA EDISION
7	WATER LINE	CITY OF ANAHEIM PUBLIC UTILITY DEPT
9	STORM DRAIN	ORANGE COUNTY PUBLIC WORKS
11	UNDERGROUND CABLE	TIME WARNER CABLE
13	TRAFFIC SIGNAL	CITY OF ANAHEIM

UTILITY NOTES

1. UNDERGROUND TRAFFIC SIGNAL UTILITY CONDUITS NOT SHOWN. REFER TO SIGNAL MODIFICATION SHEET FOR LOCATIONS.
2. CONTRACTOR SHALL REMOVE EXISTING TRAFFIC PULL BOXES WITHIN SIDEWALK AS PART OF SIDEWALK REMOVAL. NEW PULL BOXES SHALL BE PROVIDED PER "PLAN TS" AND SECTION H OF THE SPECIAL PROVISIONS.
3. SEE "TRAFFIC SIGNAL MODIFICATION" SHEETS TS-1 TO TS-2 FOR TRAFFIC SIGNAL DETAILS.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER ANISSA VOYIATZES No. 71720 Exp. 12/31/15 CIVIL STATE OF CALIFORNIA

04/30/2014
DATE

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 06/20/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

UTILITY PLANS

STA 57+00 TO STA 63+07

Sheet Reference Number

UT-07

M:\20WA03905\TRANSP\SHEETS\c-ut1-07.dgn

SIGNING AND STRIPING GENERAL NOTES

1. CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING, STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING. BLACKING OUT STRIPING WILL NOT BE PERMITTED.
2. INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS AND THE CALIFORNIA MUTCD.
4. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
5. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO BE RELOCATED OR TO REMAIN.
6. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
7. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACCURATE FOR PAVEMENT STRIPING AND SIGNING PLANS ONLY.
8. PROJECT INFORMATION SIGN PER OCPW STD. PLAN 1416. APPROXIMATE LOCATION SHOWN. EXACT LOCATION TO BE DETERMINED BY CONTRACTOR IN THE FIELD.
9. ALL SCHOOL AREA SIGNS SHALL BE FLUORESCENT YELLOW GREEN IN COLOR.

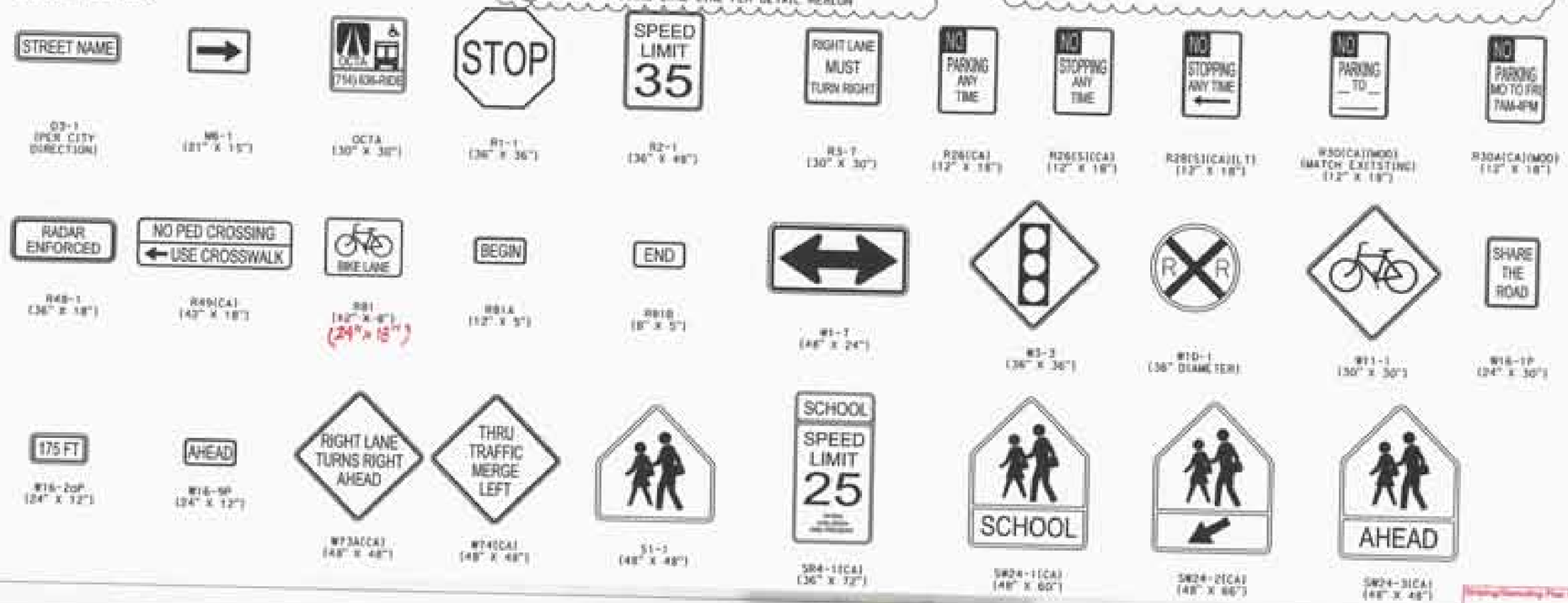
PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LANE LINE WITH TYPE "D" RPM PER STD PLAN A20A DETAIL 9.
2A. 4" WHITE SOLID LINE WITH TYPE "D" RPM AT THE END PER STD PLAN A20B DETAIL 27B.
2B. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
3. 12" SOLID WHITE CROSSWALK (10' CLEAR) LANE PER OCPW STD PLAN 1416.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "D" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 29 OR DETAIL 29 AS SPECIFIED PER PLANS), MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.
11. BIKE LANE ARROW PER REVISED STD PLAN A24A.
12. 12" SOLID WHITE LIMIT LINE PER REVISED STD PLAN A24E.
13. YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
15. PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
16. YELLOW CROSSWALK PER OCPW STD PLAN 1416.
17. PAVEMENT MARKING PER STD PLANS A24D. (AS SHOWN ON PLANS)
18. ~~6" SOLID WHITE 45° DIAGONALS @ 36' SPACING~~
19. 8" WHITE DOTTED LANE LINE PER CALTRANS REVISED STD PLAN A20C DETAIL 37B
20. 4" WHITE SOLID LANE LINE PER DETAIL HEREON

SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
2. PROTECT
3. INSTALL SIGN(S) /POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING

SIGN LEGEND



COUNTY OF ORANGE CALIFORNIA

PSOMAS

SIGNING AND STRIPING GENERAL NOTES

SS-01

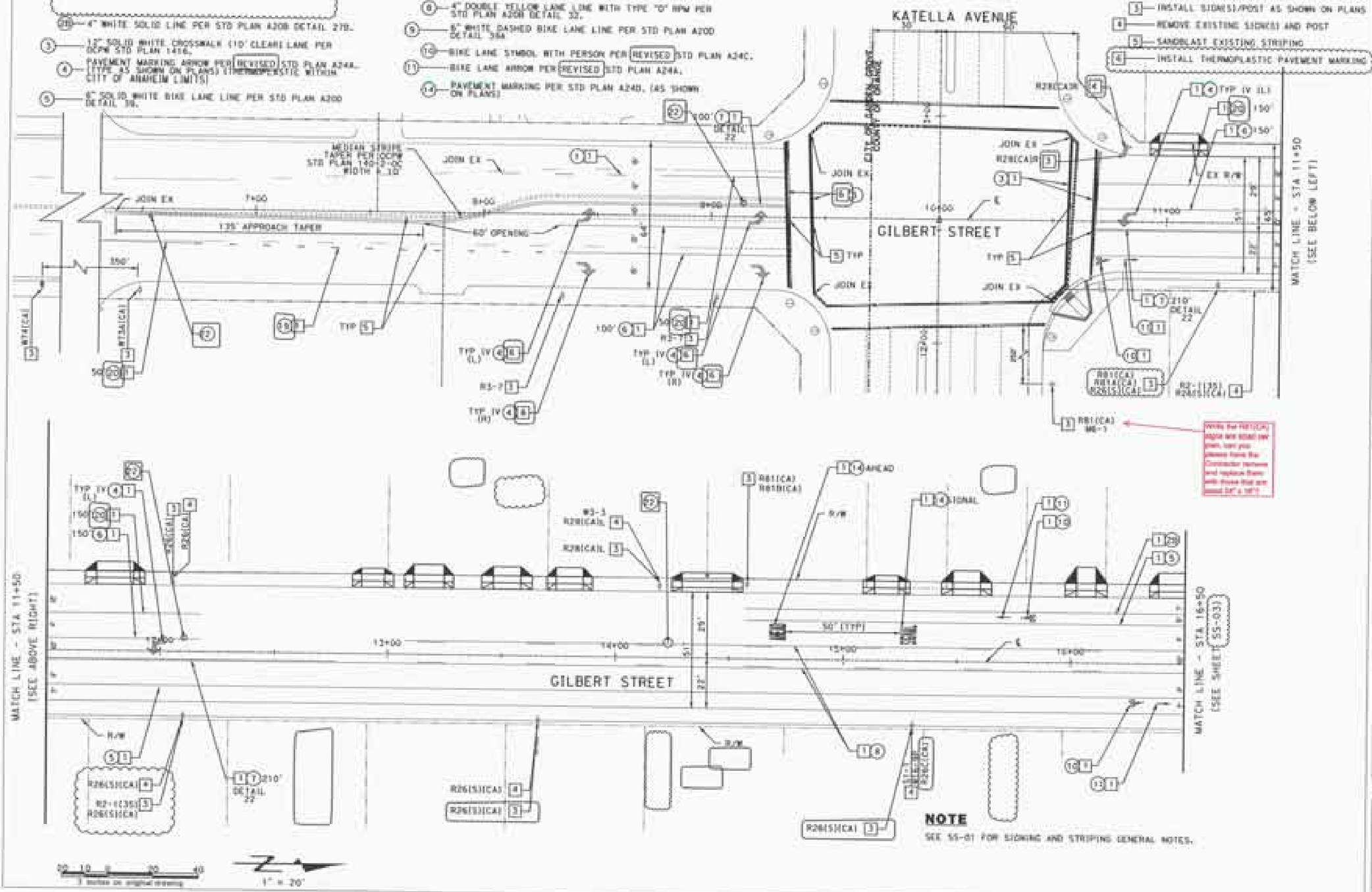
SHEET 44 of 72

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LINE LINE WITH TYPE "D" RPM PER STD PLAN A20A DETAIL 9.
2. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27D.
3. 12" SOLID WHITE CROSSWALK (10' CLEAR) LANE PER OCPW STD PLAN 1416.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS.
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 38.
6. 6" WHITE SOLID CHANNELIZING LINE WITH TYPE "D" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR DETAIL 39 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 22.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 38A
10. BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.
11. BIKE LANE ARROW PER REVISED STD PLAN A24A.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
22. Blue Reflective Markers per Orange County Fire Authority Guideline B-09

SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING
6. INSTALL THERMOPLASTIC PAVEMENT MARKING



NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

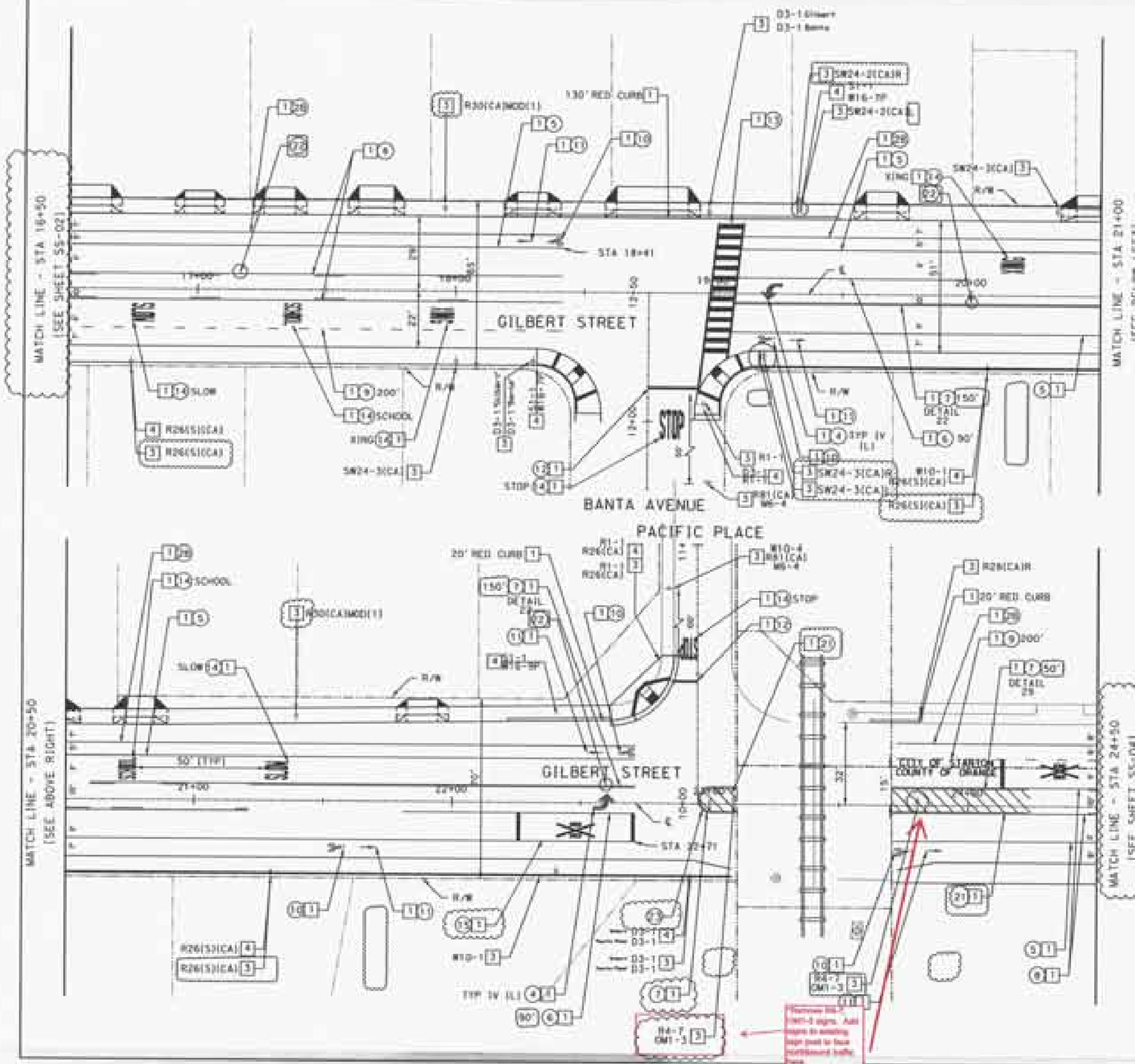
PSOMAS

SIGNING AND STRIPING

STA 5+00 TO STA 16+50

SS-02R3

Sheet 45 of 72



SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
28. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 6" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 36.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 23 OR (DETAIL 26 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20D DETAIL 22.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.
11. BIKE LANE ARROW PER REVISED STD PLAN A24A.
12. 12" SOLID WHITE LIMIT LINE PER REVISED STD PLAN A24E.
13. YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD. PLAN 1416.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
15. PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
21. 12" SOLID YELLOW STRIPE SPACED 5' ON CENTER WITH TYPE D TWO-WAY RETROREFLECTIVE MARKERS SPACED 5' ON CENTER
27. BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09
23. YELLOW REFLECTIVE PAVEMENT MARKERS ON MEDIAN CURB NOSE AT 2 FT. SPACING (MIN. 1 MARKER). PLACE REFLECTIVE SURFACE OF MARKERS PERPENDICULAR TO ℄ OF ROADWAY.

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

REVISIONS			
1	RELOCATE SIGN	J.A.	
2	RES. SIGNAL STRIPING	J.A.	
3	RESTRIPE	J.A.	
NO.	DESCRIPTION	BY	DATE

PROJECT NO. 70-700-04

PREPARED UNDER THE SUPERVISION OF:

REVIEWED BY: J. HOLLIER

DESIGNED BY: J. HOLLIER

DRAWN BY: J. HOLLIER

CHECKED BY: J. HOLLIER

ORANGE COUNTY OF PUBLIC WORKS

PREPARED BY: PSOMAS

FILE NAME:

PLOT DATE:

SCALE: 1"=20'

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

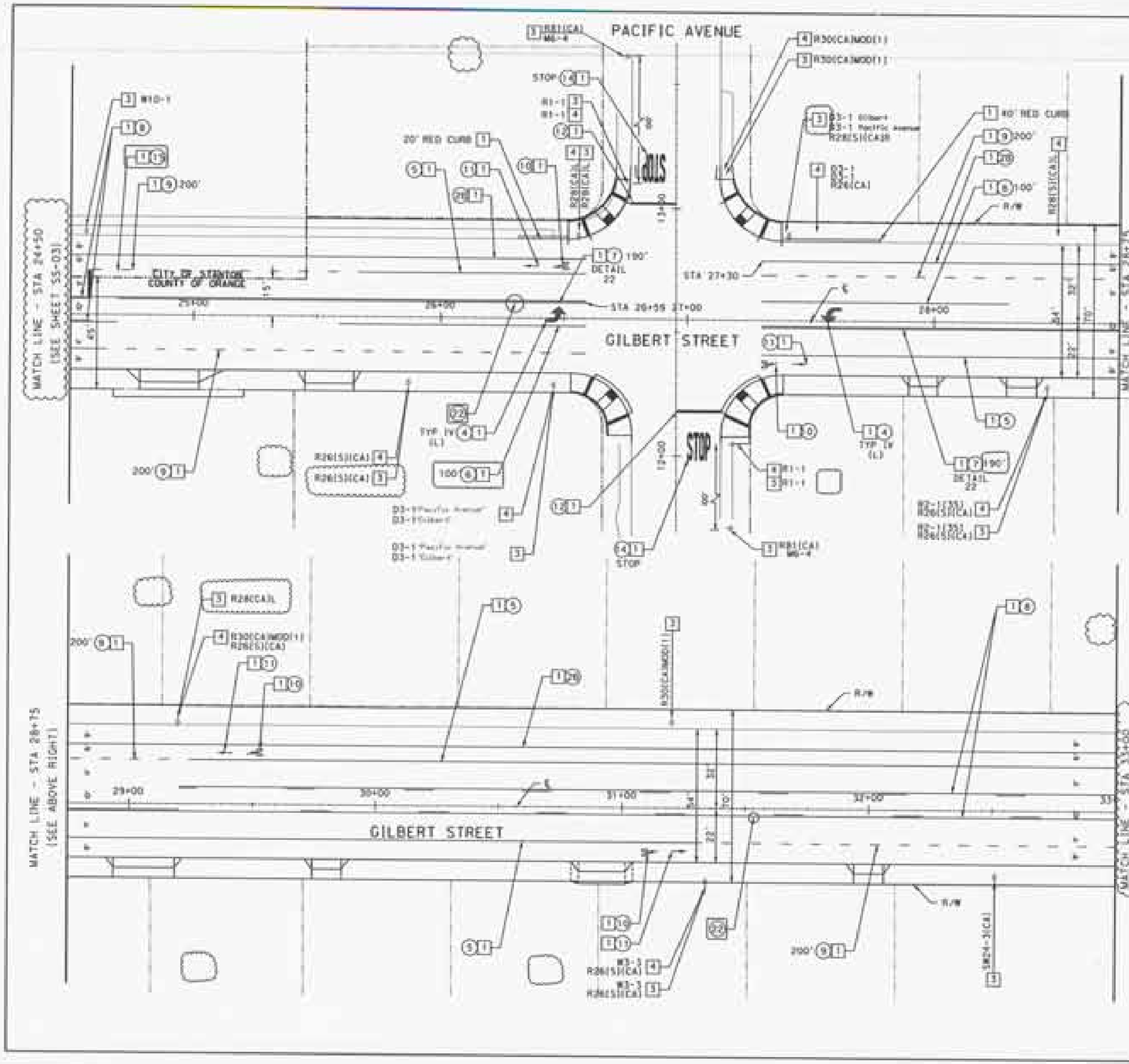
SIGNING AND STRIPING

STA 16+50 TO STA 24+50

Sheet Reference Number

SS-03R2

Sheet 46 of 72



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)

3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS

4 — REMOVE EXISTING SIGN(S) AND POST

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "D" RPM PER STD PLAN A20A DETAIL 3L.

26 — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27E.

4 — PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 29L.

6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "D" RPM PER STD PLAN A20D DETAIL 36.

7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 32 OR DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 29A

10 — BIKE LANE SYMBOL W/PERSON PER RSP A24C.

11 — BIKE LANE ARROW PER REVISED STD PLAN A24A.

12 — 12" SOLID WHITE LIMIT LINE PER RSP A24E.

14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

15 — PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)

23 — Blue Reflective Markers per Orange County Traffic Authority Guidelines

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

REVISIONS		
DESCRIPTION	DATE	
REV. SIGNING, STRIPING		
REV. Plan SPWS		

PREPARED UNDER THE RESPONSIBILITY OF

REGISTERED PROFESSIONAL ENGINEER (PE)

REGISTRATION NO. DATE

SIGNING AND STRIPING

PREPARED BY:
PSOMAS
3 HUGHES, IRVINE, CA 92618-2021
TEL: (714) 592-1000
FAX: (714) 592-1020

ORANGE COUNTY
OC PUBLIC WORKS

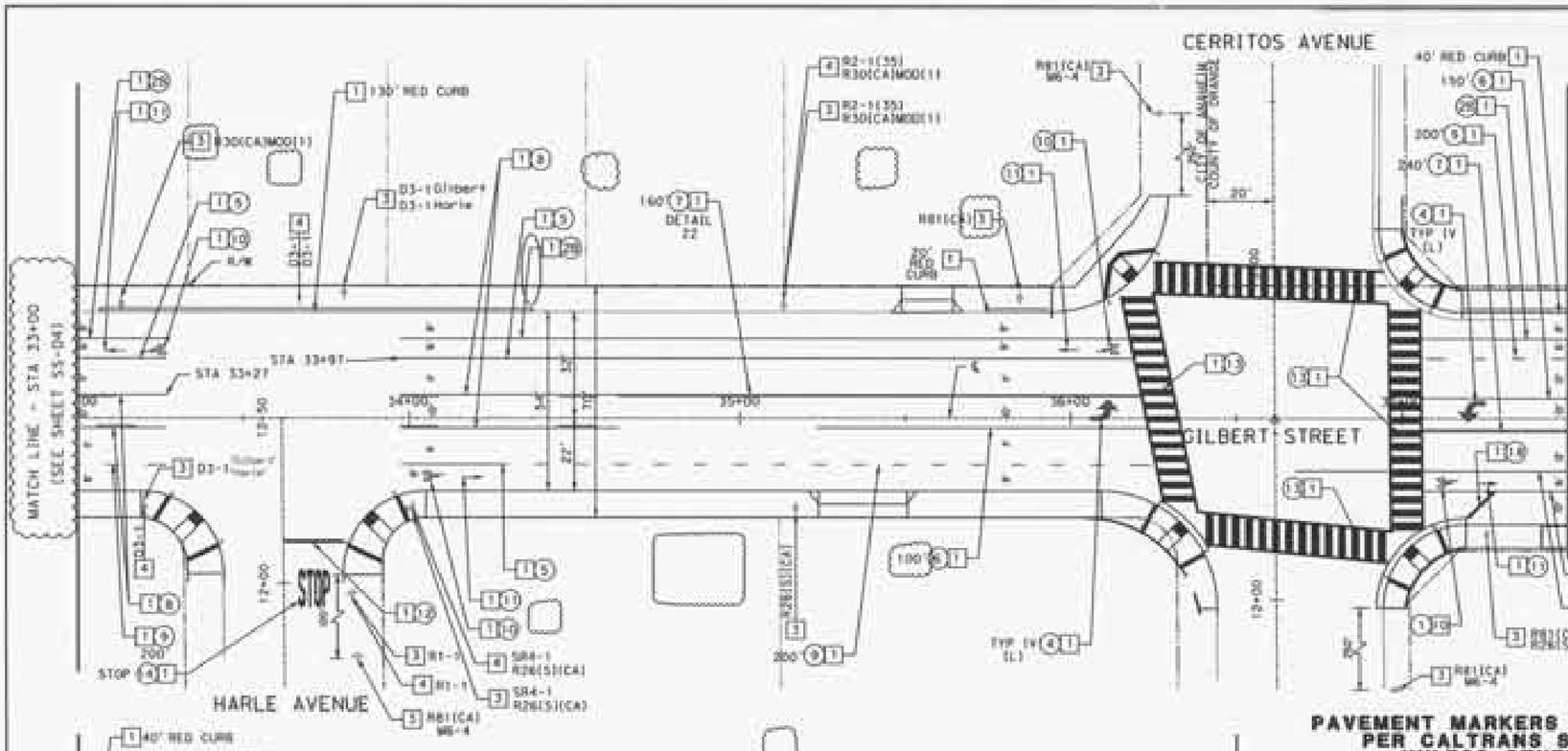
GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

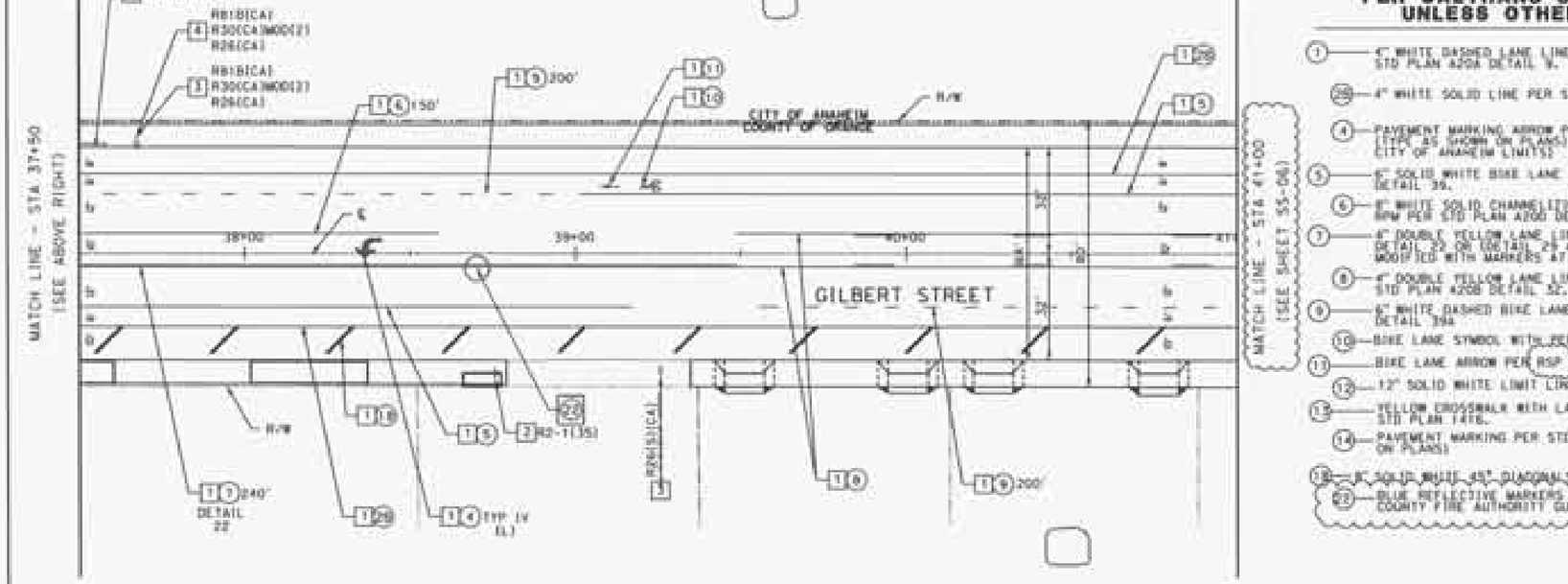
SIGNING AND STRIPING
STA 24+50 TO STA 33+00

Sheet Reference Number

SS-04R2

Sheet 41 of 72





SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
28. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 6" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 20 OR DETAIL 24 (AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "G" RPM PER STD PLAN A20B DETAIL 32.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PERSON PER RSP A24C.
11. BIKE LANE ARROW PER RSP A24A.
12. 12" SOLID WHITE LIMIT LINE PER RSP A24E.
13. YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
18. 6" SOLID WHITE 45° DIAGONALS @ 25' SPACING OC
22. BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09

1" = 20'

COUNTY OF ORANGE CALIFORNIA

1	RPL PAVE MKRS	
2	RPL SIGNING, STRIPING	
MARK	DESCRIPTION	DATE

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

DESIGNED BY: S. HILLIER
CHECKED BY: S. HILLIER
DRAWN BY: S. HILLIER
DRAWING TITLE: P. HITCHCOCK
FILE NAME:
PLOT DATE:
SCALE: 1"=20'

ORANGE COUNTY DC PUBLIC WORKS

PREPARED BY: PSOMAS
3187 RED HILL AVENUE, SUITE 250
COSTA MESA, CA 92626-3419
TEL: (714) 751-1777
FAX: (714) 545-8805

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

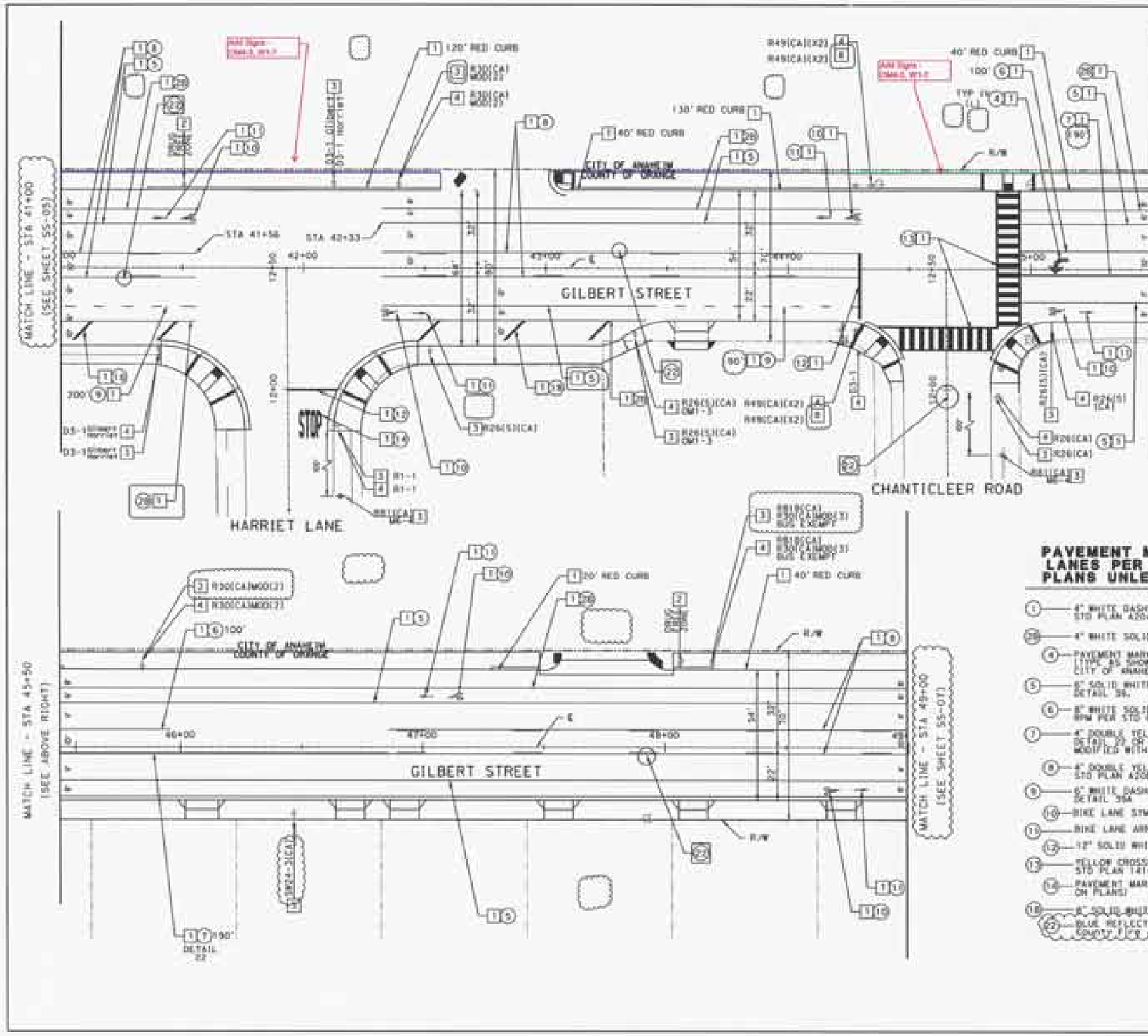
SIGNING AND STRIPING

STA 33+00 TO STA 41+00

Sheet Reference Number

SS-05R2

Sheet 48 of 72



SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
2. PROTECT
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING
6. INSTALL PEDESTRIAN BARRICADE AS PER CALTRANS SP ES-7D, TYPE I, DETAIL C

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
2. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4. PAVEMENT MARKING ARROW PER RSP A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 23 OR DETAIL 24 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "G" RPM PER STD PLAN A20B DETAIL 32.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PERSON PER RSP A24C.
11. BIKE LANE ARROW PER RSP A24L.
12. 12" SOLID WHITE LIMIT LINE PER RSP A24E.
13. YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 141G.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
18. 6" SOLID WHITE 45° DIAGONAL @ 40' ABAEINC OC
27. BLUE REFLECTIVE Markers per Orange County Fire Authority Guidelines

1" = 20'

20 10 0 20 40

8 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY PSOMAS

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

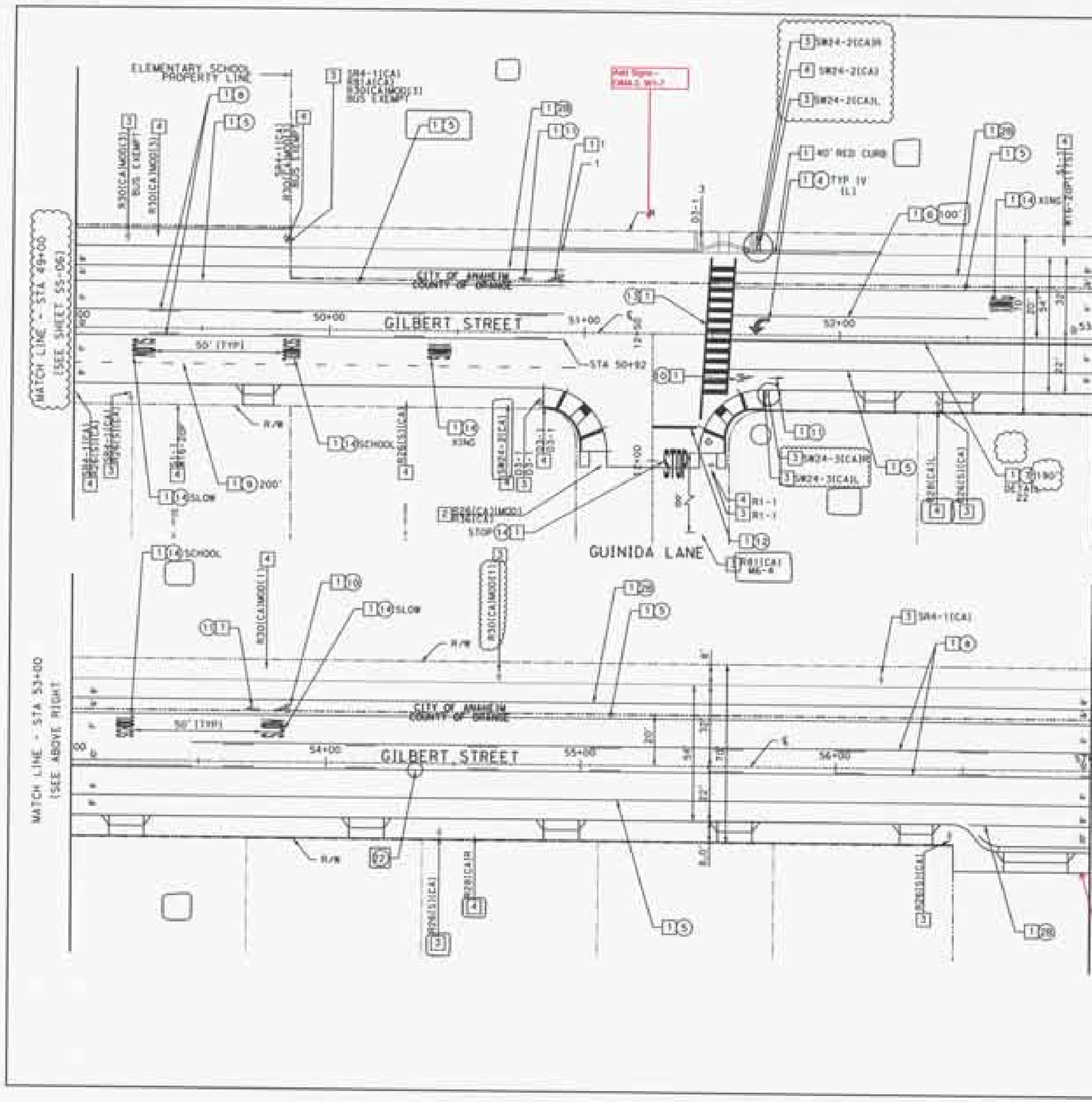
SIGNING AND STRIPING

STA. 41+00 TO STA. 49+00

Sheet Reference Number

SS-06R2

Sheet 49 of 72



SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
2. PROTECT
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 6" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 4.
2. 6" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A, (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 6" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 32 OR DETAIL 34 AS SPECIFIED ON PLANS. (MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PAYSON PER RSP A24C.
11. BIKE LANE ARROW PER RSP A24A.
12. 12" SOLID WHITE LIMIT LINE PER RSP A24E.
13. YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
27. BLUE REFLECTIVE MARKERS PER ORANGE COUNTY FIRE AUTHORITY GUIDELINE B-09

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

PREPARED UNDER THE RESPONSIBILITY OF

REGISTERED PROFESSIONAL ENGINEER (OPTIONAL)

REV.	DESCRIPTION	BY	DATE
1	REV. BLUE MARKS	S.A.	
2	REV. SIGNING, STRIPING	S.A.	12/30/10
3		R.A.	2/09/11

PREPARED BY: T. WILLIAMS
DATE: 12/09/10
CHECKED BY: T. WILLIAMS
DATE: 12/09/10
DRAWING CODE: 1
FILE NAME:
PLOT DATE:
PLOT SCALE: 1" = 20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3187 RED HILL AVE., SUITE 250
COSTA MESA, CA 92626
TEL: (714) 751-1122
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

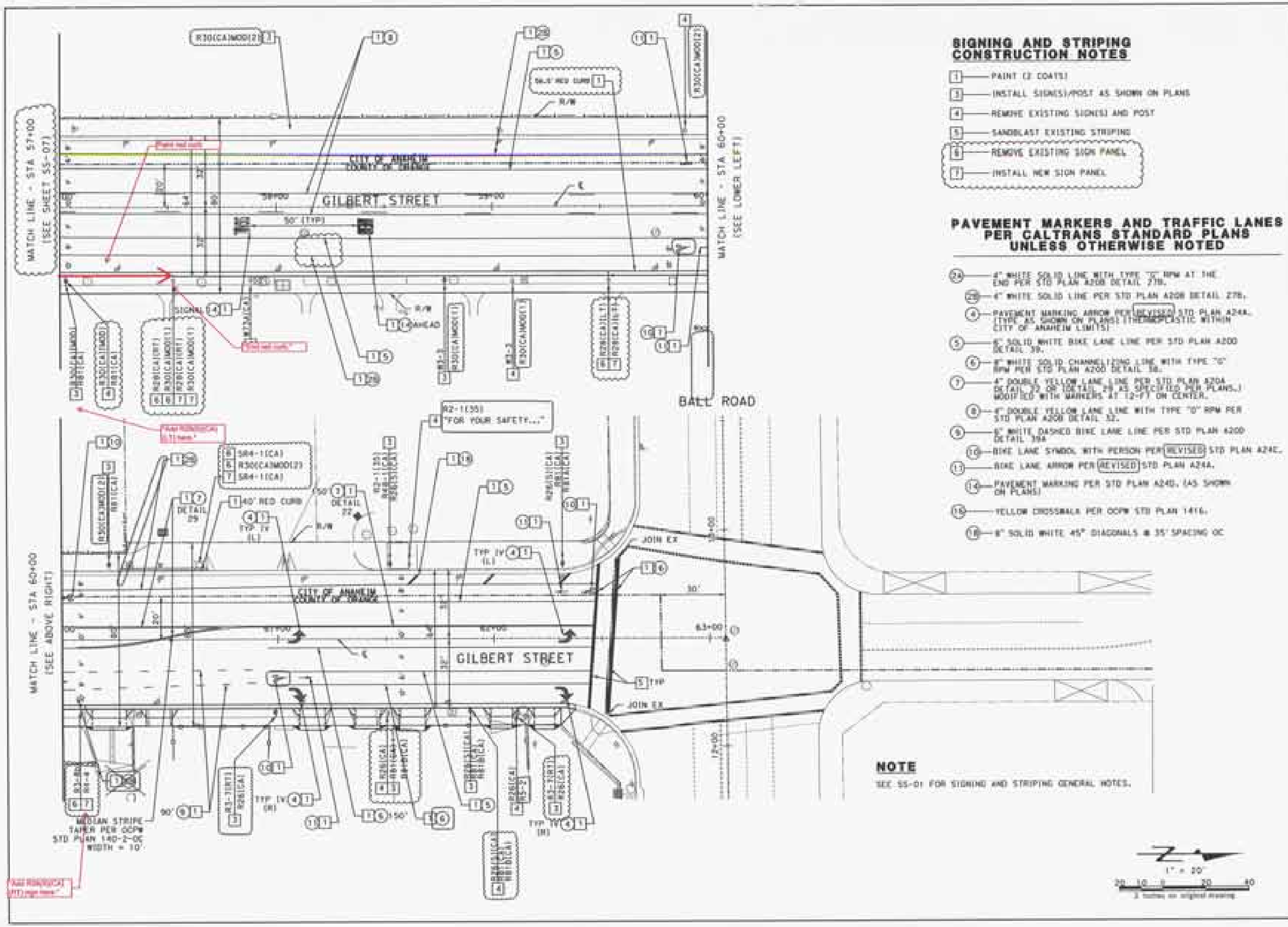
SIGNING AND STRIPING

STA. 49+00 TO STA. 57+00

Sheet Reference Number

SS-07R2

Sheet 50 of 72



SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING
6. REMOVE EXISTING SIGN PANEL
7. INSTALL NEW SIGN PANEL

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

(2A) 4" WHITE SOLID LINE WITH TYPE "C" RPM AT THE END PER STD PLAN A20B DETAIL 27B.

(2B) 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.

(4) PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

(5) 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.

(6) 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "D" RPM PER STD PLAN A20D DETAIL 36.

(7) 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 23 OR DETAIL 28 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

(8) 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

(9) 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A

(10) BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.

(11) BIKE LANE ARROW PER REVISED STD PLAN A24A.

(14) PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

(15) YELLOW CROSSWALK PER OCPW STD PLAN 1416.

(16) 8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

ORANGE COUNTY DEPT OF PUBLIC WORKS

PREPARED BY PSOMAS

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING

STA 57+00 TO STA 63+00

SS-08R1

Sheet 51 of 72

AS BUILT STRIPE / SIGN PLANS

SIGNING AND STRIPING GENERAL NOTES

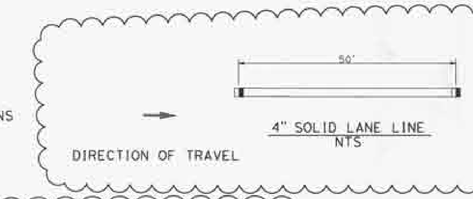
1. CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING, STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING. BLACKING OUT STRIPING WILL NOT BE PERMITTED.
2. INSTALLATION OF ALL STRIPING, SIGNS, PAVEMENT MARKERS, AND LEGENDS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SIGNS, STRIPING, PAVEMENT MARKERS, AND LEGENDS SHALL CONFORM TO THE LATEST APPROVED/ ADOPTED EDITIONS OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS AND THE CALIFORNIA MUTCD.
4. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY THE ENGINEER OF WORK PRIOR TO ANY CHANGES BEING MADE IN THE FIELD.
5. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLANS SHALL BE NEW SIGNS PROVIDED AND INSTALLED BY THE CONTRACTOR, EXCEPT FOR EXISTING SIGNS SPECIFICALLY INDICATED TO BE RELOCATED OR TO REMAIN.
6. CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
7. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN. THIS PLAN ACURATE FOR PAVEMENT STRIPING AND SIGNING PLANS ONLY.
8. PROJECT INFORMATION SIGN PER OCPW STD. PLAN 1418, APROXIMATE LOCATION SHOWN, EXACT LOCATION TO BE DETERMINED BY CONTRACTOR OR THE ENGINEER.
9. ALL SCHOOL AREA SIGNS SHALL BE FLUORESCENT YELLOW GREEN IN COLOR.

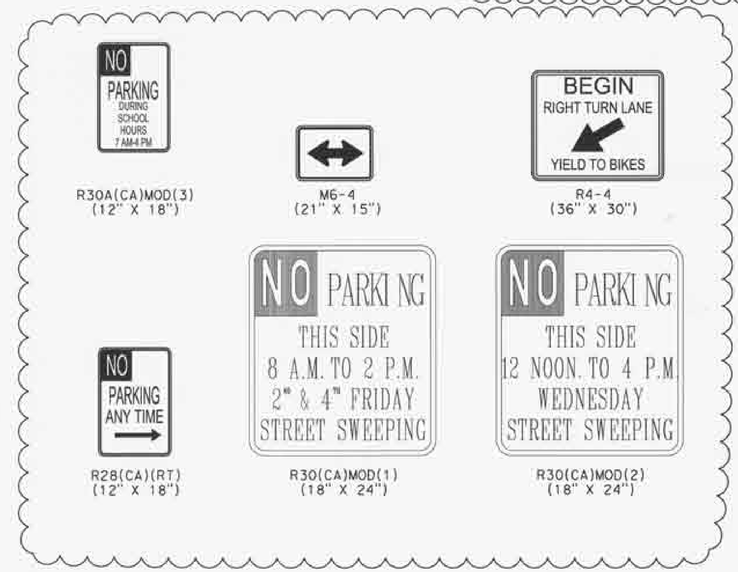
PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

- (1) 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
- (2A) 4" WHITE SOLID LINE WITH TYPE "G" RPM AT THE END PER STD PLAN A20B DETAIL 27B.
- (2B) 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
- (3) 12" SOLID WHITE CROSSWALK (10' CLEAR) LANE PER OCPW STD PLAN 1416.
- (4) PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
- (5) 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
- (6) 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
- (7) 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS), MODIFIED WITH MARKERS AT 12-FT ON CENTER.
- (8) 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
- (9) 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
- (10) BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.
- (11) BIKE LANE ARROW PER REVISED STD PLAN A24A.
- (12) 12" SOLID WHITE LIMIT LINE PER REVISED STD PLAN A24E.
- (13) YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
- (14) PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
- (15) PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
- (16) YELLOW CROSSWALK PER OCPW STD PLAN 1416.
- (17) PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)
- (18) ~~8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC~~
- (19) 8" WHITE DOTTED LANE LINE PER CALTRANS REVISED STD PLAN A20C DETAIL 37B
- (20) 4" WHITE SOLID LANE LINE PER DETAIL HEREON

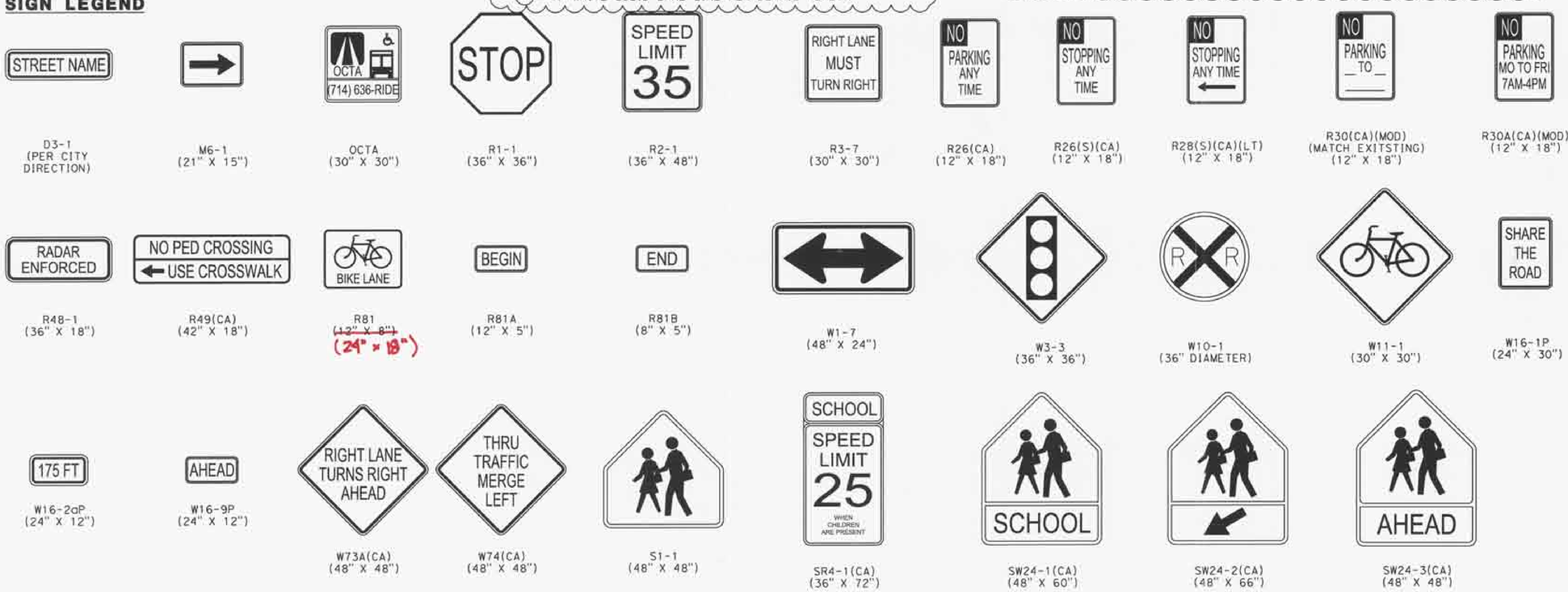
SIGNING AND STRIPING CONSTRUCTION NOTES

- [1] PAINT (2 COATS)
- [2] PROTECT
- [3] INSTALL SIGN(S) /POST AS SHOWN ON PLANS
- [4] REMOVE EXISTING SIGN(S) AND POST
- [5] SANDBLAST EXISTING STRIPING





SIGN LEGEND



COUNTY OF ORANGE CALIFORNIA

MARK	REV. SIGNING, STRIPING	12/20/13	B.A.
	REVISED LEGEND	9/24/15	B.A.
	DESCRIPTION	DATE	APPR.

SIGN AND STAMP FOR REVISIONS ONLY

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS — 04/30/2014 — DATE

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate
SCALE: 1"=20' $$plotscale

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING
GENERAL NOTES

Sheet Reference Number
SS-01

Sheet 44 of 72

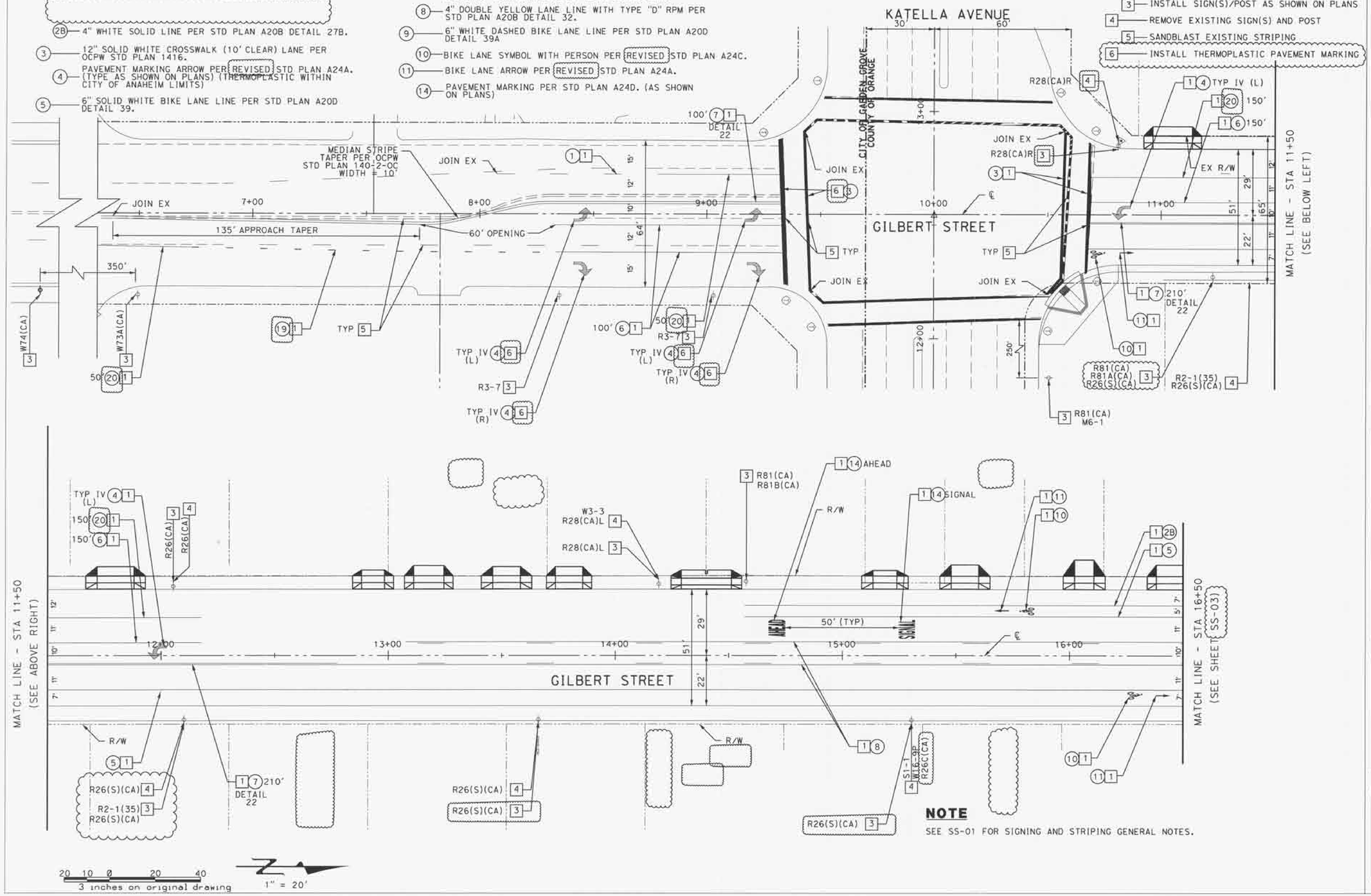
$$pwfullfilename$$

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1. 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
2B. 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
3. 12" SOLID WHITE CROSSWALK (10' CLEAR) LANE PER OCPW STD PLAN 1416.
4. PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5. 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6. 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7. 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8. 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
9. 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10. BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.
11. BIKE LANE ARROW PER REVISED STD PLAN A24A.
14. PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

SIGNING AND STRIPING CONSTRUCTION NOTES

1. PAINT (2 COATS)
3. INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4. REMOVE EXISTING SIGN(S) AND POST
5. SANDBLAST EXISTING STRIPING
6. INSTALL THERMOPLASTIC PAVEMENT MARKING



NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.
4	REV. SIGNING, STRIPING	12/20/15	B.K.
3	REV. SIGNING, STRIPING, TC	08/09/15	B.K.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate
SCALE: 1"=20' $$plotscale

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

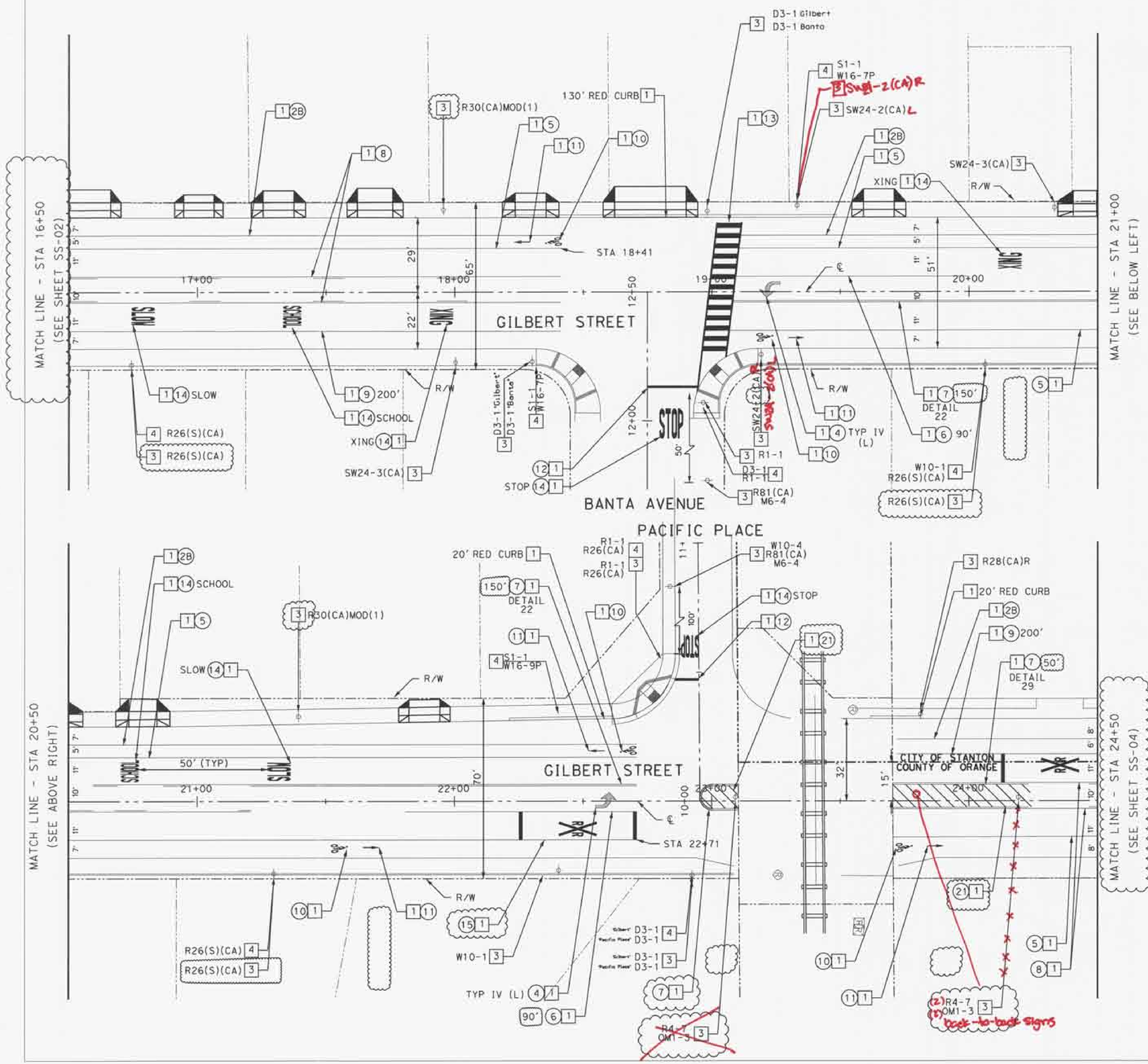
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING

STA 5+00 TO STA 16+50

Sheet Reference Number: SS-02R2

$$cwfullfilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)

3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS

4 — REMOVE EXISTING SIGN(S) AND POST

5 — SANDBLAST EXISTING STRIPING

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.

2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.

4 — PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.

6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.

7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A

10 — BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.

11 — BIKE LANE ARROW PER REVISED STD PLAN A24A.

12 — 12" SOLID WHITE LIMIT LINE PER REVISED STD PLAN A24E.

13 — YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD. PLAN 1416.

14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

15 — PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)

21 — 4" SOLID YELLOW STRIPE SPACED 5' ON CENTER, WITH TYPE D TWO-WAY RETROREFLECTIVE MARKERS SPACED 5' ON CENTER

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

COUNTY OF ORANGE CALIFORNIA

MARK	REV. SIGNING, STRIPING	DATE	B.A. APPR.
A		12/20/15	

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, ENGINEER, STATE OF CALIFORNIA, Exp. 12/31/15 — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate
SCALE: 1"=20'
$$plotdate$$

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS, 3 HUTTON CENTRE DRIVE, STE. 200, SANTA ANA, CA 92707, TEL: (714) 751-7373, FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

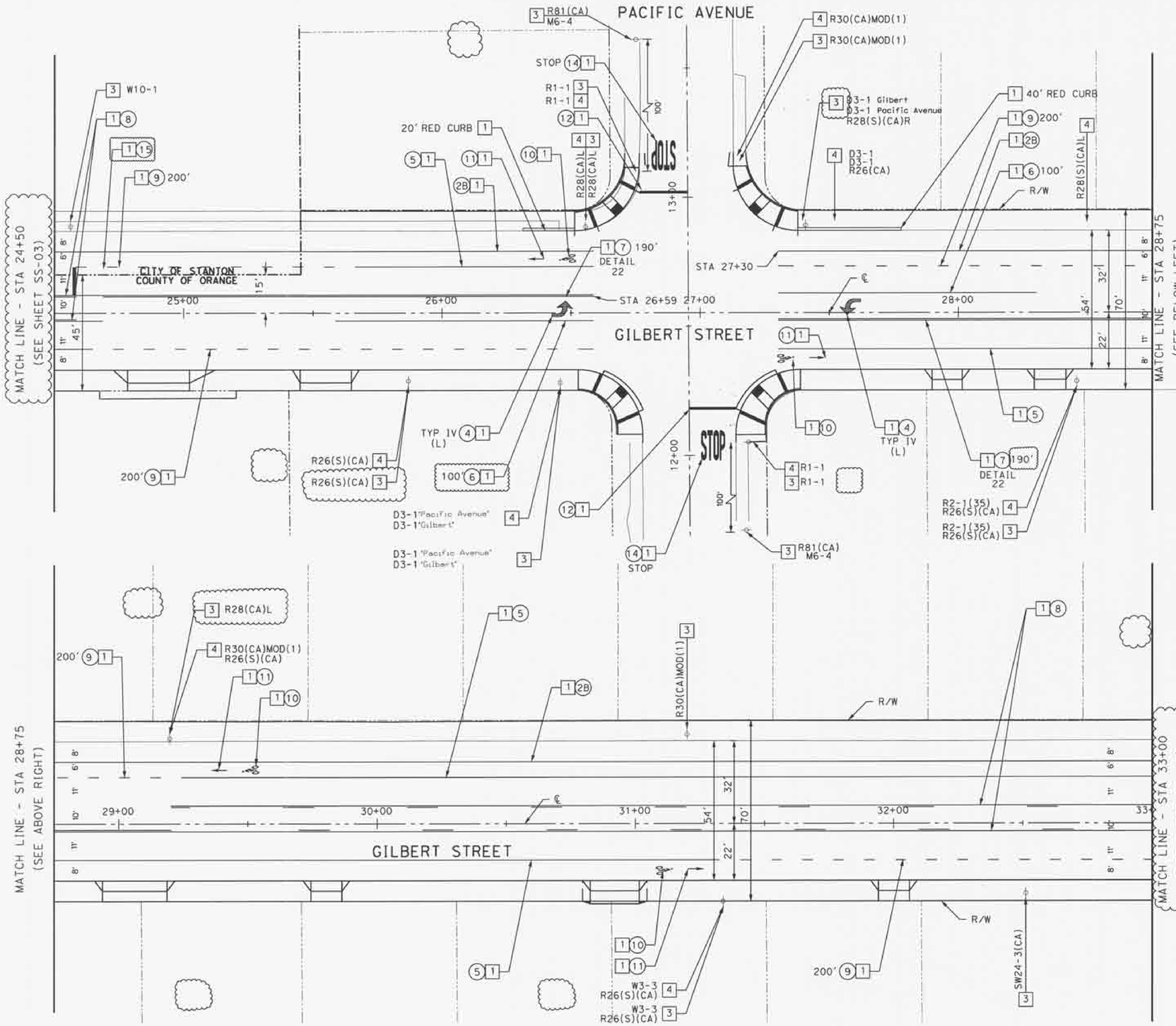
SIGNING AND STRIPING

STA 16+50 TO STA 24+50

Sheet Reference Number: SS-03R1

Sheet 46 of 72

$$pwfullfilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)

3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS

4 — REMOVE EXISTING SIGN(S) AND POST

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.

2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.

4 — PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.

6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.

7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A

10 — BIKE LANE SYMBOL W/PERSON PER RSP A24C.

11 — BIKE LANE ARROW PER REVISED STD PLAN A24A.

12 — 12" SOLID WHITE LIMIT LINE PER RSP A24E.

14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

15 — PAVEMENT MARKING PER STD PLANS A24B. (AS SHOWN ON PLANS)

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.
A	REV. SIGNING, STRIPING	12/20/15	B.A.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate$$
SCALE: 1"=20' $$times$$

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING

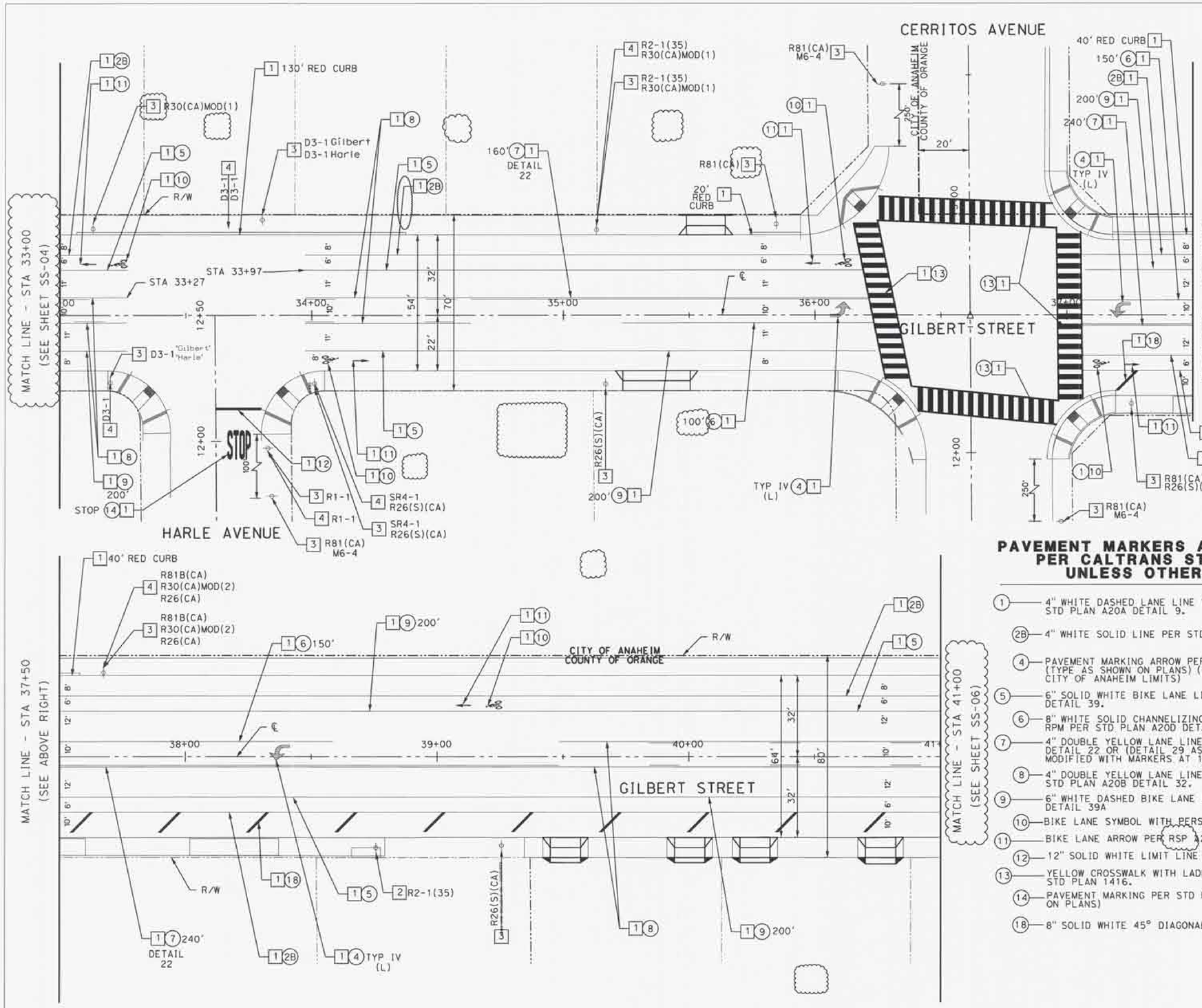
STA 24+50 TO STA 33+00

Sheet Reference Number

SS-04R1

Sheet 47 of 72

$$pwfullfilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)

3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS

4 — REMOVE EXISTING SIGN(S) AND POST

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.

2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.

4 — PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.

6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.

7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A

10 — BIKE LANE SYMBOL WITH PERSON PER RSP A24C.

11 — BIKE LANE ARROW PER RSP A24A.

12 — 12" SOLID WHITE LIMIT LINE PER RSP A24E.

13 — YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.

14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

18 — 8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC

1" = 20'

20 10 0 20 40

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	REV. SIGNING, STRIPING DESCRIPTION	DATE	APPR.
A		12/20/15	B.A.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate
SCALE: 1"=20'
$$plotstamp

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS, 3 HUTTON CENTRE DRIVE, STE 200, SANTA ANA, CA 92707, TEL: (714) 751-7373, FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

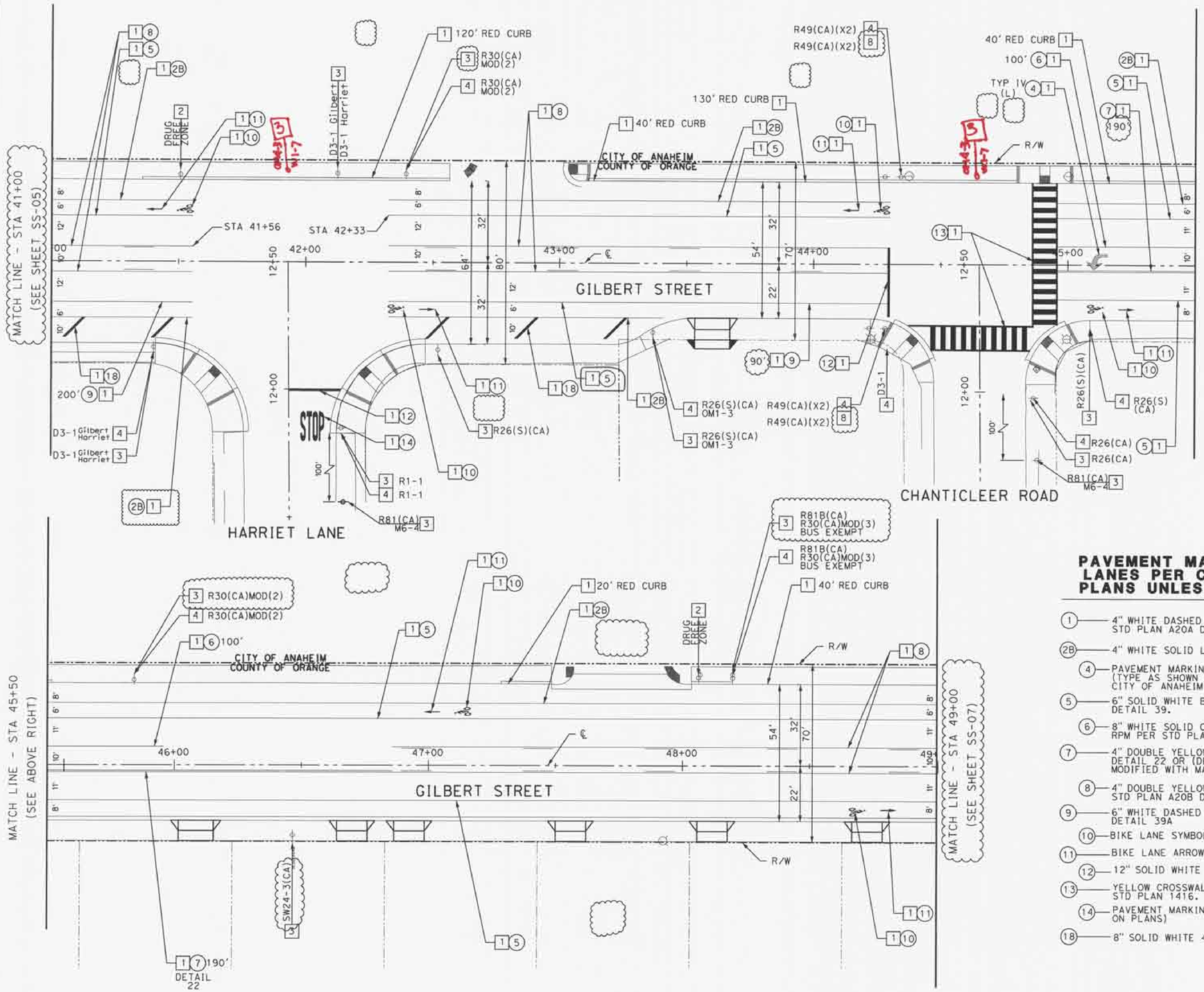
SIGNING AND STRIPING

STA 33+00 TO STA 41+00

Sheet Reference Number

SS-05R1

$$pwfullfilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)
2 — PROTECT
3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4 — REMOVE EXISTING SIGN(S) AND POST
5 — SANDBLAST EXISTING STRIPING
8 — INSTALL PEDESTRIAN BARRICADE AS PER CALTRANS SP ES-7D, TYPE I, DETAIL C

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4 — PAVEMENT MARKING ARROW PER RSP A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10 — BIKE LANE SYMBOL WITH PERSON PER RSP A24C.
11 — BIKE LANE ARROW PER RSP A24A.
12 — 12" SOLID WHITE LIMIT LINE PER RSP A24E.
13 — YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)
18 — 8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.
4	REV. SIGNING, STRIPING	12/20/16	B.A.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate$$
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8983

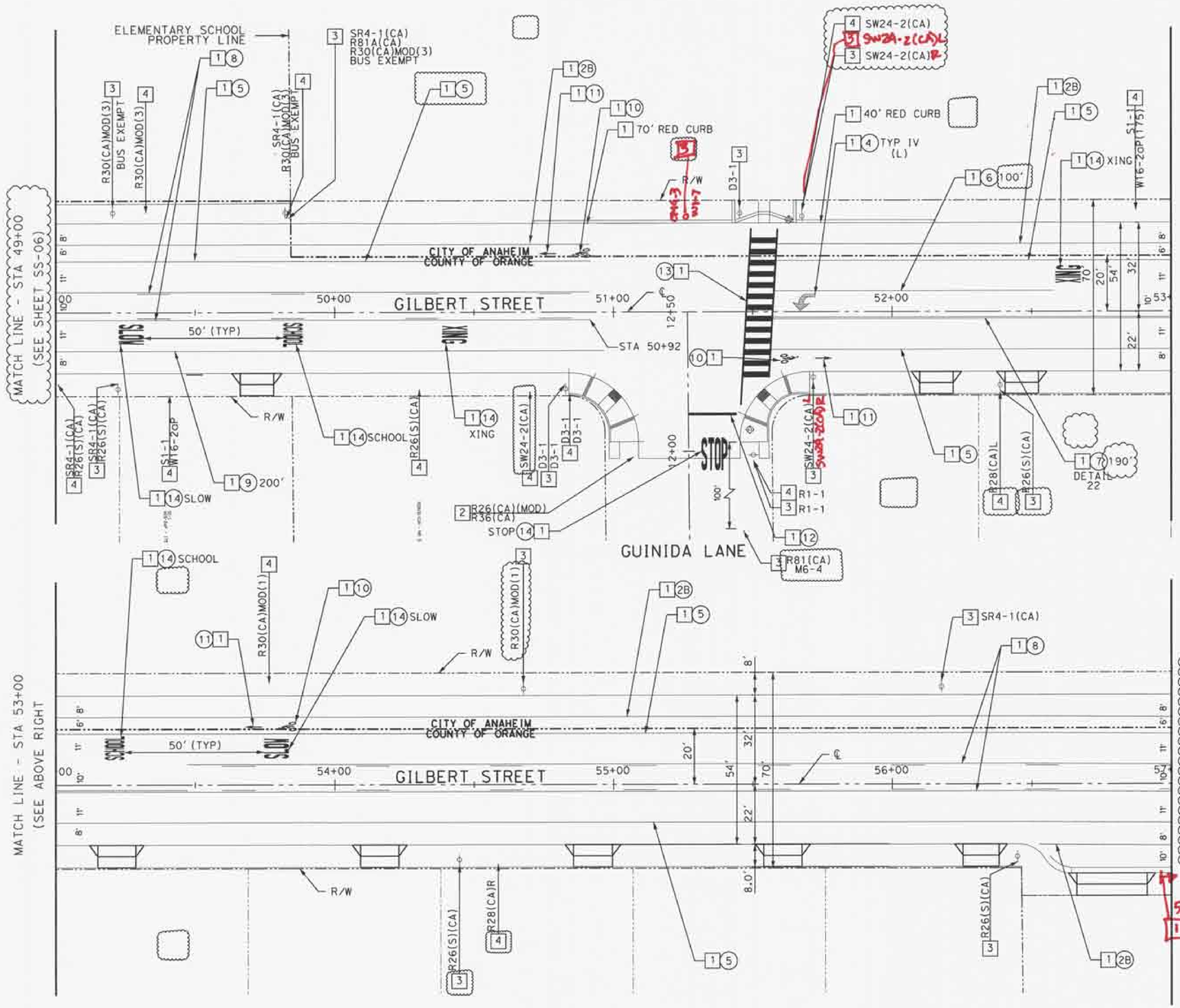
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING
STA 41+00 TO STA 49+00

Sheet Reference Number
SS-06R1

Sheet 49 of 72

$$pwfullfilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)
2 — PROTECT
3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS
4 — REMOVE EXISTING SIGN(S) AND POST

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

1 — 4" WHITE DASHED LANE LINE WITH TYPE "G" RPM PER STD PLAN A20A DETAIL 9.
2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.
4 — PAVEMENT MARKING ARROW PER (REVISED) STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)
5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.
6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.
7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.
8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.
9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A
10 — BIKE LANE SYMBOL WITH PERSON PER RSP A24C.
11 — BIKE LANE ARROW PER RSP A24A.
12 — 12" SOLID WHITE LIMIT LINE PER RSP A24E.
13 — YELLOW CROSSWALK WITH LADDER BARS PER OCPW STD PLAN 1416.
14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

1" = 20'
20 10 0 20 40
3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	REV. SIGNING, STRIPING DESCRIPTION	DATE	B.A. APPR.
A		12/20/13	

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate$$
SCALE: 1"=20'
$$plotdate$$time$$

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

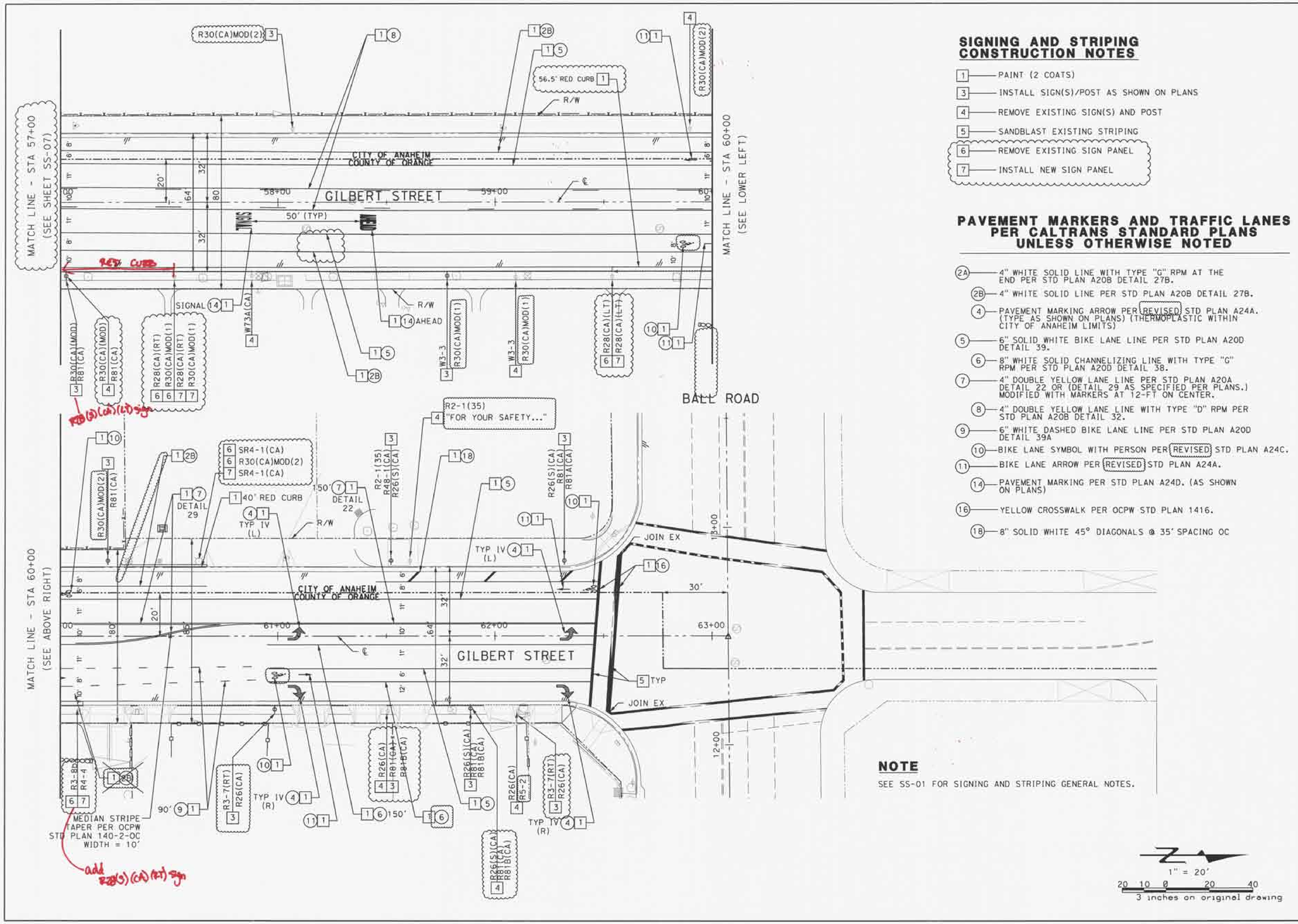
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING
STA 49+00 TO STA 57+00

Sheet Reference Number
SS-07R1

Sheet 50 of 72

$$pwFullFilename$$



SIGNING AND STRIPING CONSTRUCTION NOTES

1 — PAINT (2 COATS)

3 — INSTALL SIGN(S)/POST AS SHOWN ON PLANS

4 — REMOVE EXISTING SIGN(S) AND POST

5 — SANDBLAST EXISTING STRIPING

6 — REMOVE EXISTING SIGN PANEL

7 — INSTALL NEW SIGN PANEL

PAVEMENT MARKERS AND TRAFFIC LANES PER CALTRANS STANDARD PLANS UNLESS OTHERWISE NOTED

2A — 4" WHITE SOLID LINE WITH TYPE "G" RPM AT THE END PER STD PLAN A20B DETAIL 27B.

2B — 4" WHITE SOLID LINE PER STD PLAN A20B DETAIL 27B.

4 — PAVEMENT MARKING ARROW PER REVISED STD PLAN A24A. (TYPE AS SHOWN ON PLANS) (THERMOPLASTIC WITHIN CITY OF ANAHEIM LIMITS)

5 — 6" SOLID WHITE BIKE LANE LINE PER STD PLAN A20D DETAIL 39.

6 — 8" WHITE SOLID CHANNELIZING LINE WITH TYPE "G" RPM PER STD PLAN A20D DETAIL 38.

7 — 4" DOUBLE YELLOW LANE LINE PER STD PLAN A20A DETAIL 22 OR (DETAIL 29 AS SPECIFIED PER PLANS.) MODIFIED WITH MARKERS AT 12-FT ON CENTER.

8 — 4" DOUBLE YELLOW LANE LINE WITH TYPE "D" RPM PER STD PLAN A20B DETAIL 32.

9 — 6" WHITE DASHED BIKE LANE LINE PER STD PLAN A20D DETAIL 39A

10 — BIKE LANE SYMBOL WITH PERSON PER REVISED STD PLAN A24C.

11 — BIKE LANE ARROW PER REVISED STD PLAN A24A.

14 — PAVEMENT MARKING PER STD PLAN A24D. (AS SHOWN ON PLANS)

16 — YELLOW CROSSWALK PER OCPW STD PLAN 1416.

18 — 8" SOLID WHITE 45° DIAGONALS @ 35' SPACING OC

NOTE

SEE SS-01 FOR SIGNING AND STRIPING GENERAL NOTES.

MARK	DESCRIPTION	DATE	APPR.
A	REVISED SIGNING & STRIPING	9/24/15	B.A.

SIGN AND STAMP FOR REVISIONS ONLY

PREPARED UNDER THE RESPONSIBLE CHARGE OF: AMISSA VOYIATZES — DATE: 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: $$plotdate@h:mm:ss
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

SIGNING AND STRIPING

STA 57+00 TO STA 63+07

Sheet Reference Number

SS-08R1

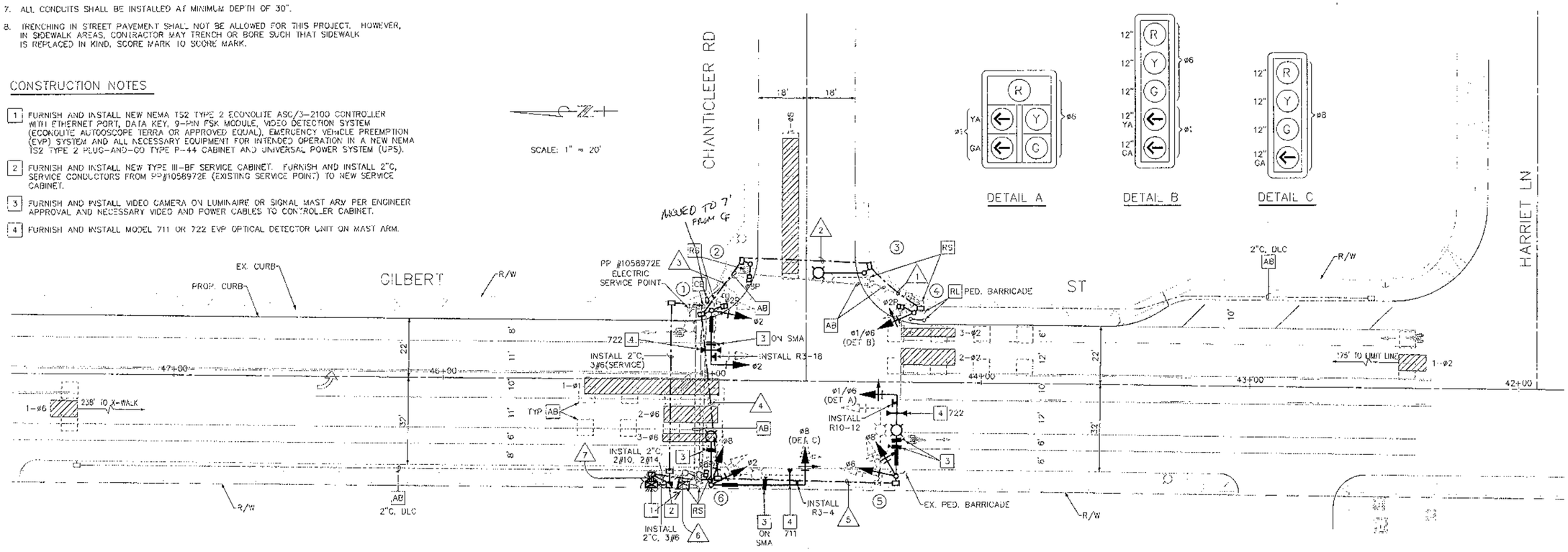
$$pwfullfilenameess

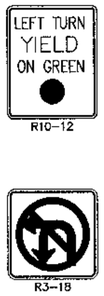
NOTES THIS SHEET

1. ALL METHODS, WORKS, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS AND THE SPECIAL PROVISIONS (SCOPE OF WORK) FOR THIS PROJECT UNLESS OTHERWISE NOTED. NEW EQUIPMENT, METHODS, MATERIALS, PLANS, AND BASE MEASUREMENTS WILL REMAIN IN ENGLISH UNITS.
2. UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE KNOWLEDGE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY INTERFERE WITH SUCH FACILITIES. CONTACT USA DIG ALERT AT 1-800-227-2600 48 HOURS IN ADVANCE.
3. EACH CONDUCTOR IN EACH PULL BOX SHALL BE IDENTIFIED WITH A PERMANENT IDENTIFICATION BAND IN PULL BOXES AND NEAR END OF EACH CONDUCTOR WHERE CONDUCTORS ARE TERMINATED. PERMANENT IDENTIFICATION BANDS SHALL BE EMBOSSED ALUMINUM FOIL TYPE WITH PRESSURE SENSITIVE OIL RESISTANT BACKING.
4. ALL NEW CONDUITS SHALL BE SCHEDULE 80 PVC AND SHALL BE 3" IN SIZE UNLESS OTHERWISE NOTED ON PLANS. ALL PVC CONDUITS SHALL HAVE A BARE #8 WIRE.
5. CORE, SAW-CUT, AND POLE FOUNDATION LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO EXCAVATING. DIRT AND DEBRIS ON THE STREET SURFACE DUE TO SAWCUTTING AND CORING ACTIVITIES SHALL BE VACUUMED IMMEDIATELY AFTER SAWCUTTING. POLE PLACEMENT MAY BE ADJUSTED BY THE ENGINEER; NO ADDITIONAL COMPENSATION FOR THE NEW LOCATION SHALL BE GRANTED TO THE CONTRACTOR.
6. ALL PULL BOXES SHALL BE WITH FIBRELYTE NON-CONCRETE LID LABELED "TRAFFIC SIGNAL" UNLESS NOTED OTHERWISE ON PLANS.
7. ALL CONDUITS SHALL BE INSTALLED AT MINIMUM DEPTH OF 30".
8. TRENCHING IN STREET PAVEMENT SHALL NOT BE ALLOWED FOR THIS PROJECT. HOWEVER, IN SIDEWALK AREAS, CONTRACTOR MAY TRENCH OR BORE SUCH THAT SIDEWALK IS REPLACED IN KIND, SCORE MARK TO SCORE MARK.
9. MAINTAIN 10' CLEARANCE FROM EXISTING OVERHEAD FACILITIES IN THE AREA AT ALL TIMES.
10. PROTECT-IN-PLACE EXISTING SIGNS UNLESS NOTED OTHERWISE.
11. CONTRACTOR SHALL FURNISH ALL MATERIAL AND EQUIPMENT REQUIRED.
12. CONTRACTOR SHALL POT-HOLE TO IDENTIFY EXACT UTILITY LOCATION AND DEPTH PRIOR TO BORING/JACKING CONDUIT.
13. THE CITY OF ANAHEIM WILL ISSUE A CONSTRUCTION PERMIT FOR THIS PROJECT FOR WORK INSIDE THE CITY. THE CITY ENGINEER'S OFFICE SHALL BE NOTIFIED AT LEAST (2) TWO WORKING DAYS PRIOR TO ANY INSPECTION, OR WORK NECESSARY TO FACILITATE CONSTRUCTION, AT (714)765-5126.
14. ADDITIONAL REMOVAL AND REPLACEMENT OF ASPHALT CONCRETE MAY BE NEEDED. REMOVAL AND REPLACEMENT LIMITS WILL BE TO THE DISCRETION OF THE ENGINEER.
15. REMOVAL OF ALL CONFLICTING STRIPING LINES AND MARKINGS SHALL BE BY WET SANDBLASTING, AND INCLUDES REMOVAL OF RAISED PAVEMENT MARKERS.
16. VIDEO DETECTION SYSTEM SHALL BE ECONOLITE AUTOSCOPE TERRA OR ENGINEER APPROVED EQUIVALENT.
17. UNIVERSAL POWER SYSTEM (UPS) SHALL BE CLARY CORPORATION SP125OPD "PLUS" TRAFFIC UPS OR APPROVED EQUAL HOUSED IN A CLARY CBS 126 NEMA 3R CABINET ENCLOSURE OR APPROVED EQUAL MOUNTED TO SIDE OF CONTROLLER CABINET.
18. ▨ INDICATES VIDEO DETECTION ZONE.

CONSTRUCTION NOTES

1. FURNISH AND INSTALL NEW NEMA TS2 TYPE 2 ECONOLITE ASC/3-2100 CONTROLLER WITH ETHERNET PORT, DATA KEY, 9-PIN FSK MODULE, VIDEO DETECTION SYSTEM (ECONOLITE AUTOSCOPE TERRA OR APPROVED EQUAL), EMERGENCY VEHICLE PREEMPTION (EVP) SYSTEM AND ALL NECESSARY EQUIPMENT FOR INTENDED OPERATION IN A NEW NEMA TS2 TYPE 2 PLUG-AND-GO TYPE P-44 CABINET AND UNIVERSAL POWER SYSTEM (UPS).
2. FURNISH AND INSTALL NEW TYPE III-BF SERVICE CABINET. FURNISH AND INSTALL 2"C, SERVICE CONDUCTORS FROM PP#1058972E (EXISTING SERVICE POINT) TO NEW SERVICE CABINET.
3. FURNISH AND INSTALL VIDEO CAMERA ON LUMINAIRE OR SIGNAL MAST ARM PER ENGINEER APPROVAL AND NECESSARY VIDEO AND POWER CABLES TO CONTROLLER CABINET.
4. FURNISH AND INSTALL MODEL 711 OR 722 EVP OPTICAL DETECTOR UNIT ON MAST ARM.





CABLE AND CONDUCTOR SCHEDULE									
AWG SIZE, WIRE OR CABLE TYPE	STD	PHASES	CONDUIT SIZE AND RUN NUMBER						
			1	2	3	4	5	6	7
12 CSC / 5 CSC / 3 CSC	1	ø2, ø2P / - /ø8PPB	-	-	-	1/0/1	-	1/0/1	1/0/1
	2	ø8P / - /ø2PPB	-	-	0/1/1	0/1/1	-	0/1/1	0/1/1
	3	- / - /ø2PPB	-	0/0/1	0/0/1	0/0/1	-	0/0/1	0/0/1
	4	ø1, ø6, ø2P /ø6PPB	1/0/1	1/0/1	1/0/1	1/0/1	-	1/0/1	1/0/1
	5	ø1, ø6/ ø8 / -	-	-	-	-	1/1/0	1/1/0	1/1/0
	6	ø8, ø8P/ ø2 /ø8PPB	-	-	-	-	-	1/1/1	1/1/1
		TOTAL	1/0/1	1/0/2	1/1/3	2/1/4	1/1/0	4/3/5	4/3/5
#14		I.S.S.N.S.	-	-	-	2	2	2	-
		SPARES	3	6	9	12	3	6	-
		TOTAL	3	6	9	14	5	10	-
#10		SIGNAL & SIGN COM.	1	1	1	1	1	2	-
		LUMINAIRES	-	2	2	2	2	2	-
		TOTAL	1	3	3	3	3	4	-
VIDEO DETECTION POWER/VIDEO			-	-	-	1	2	5	5
EVP CABLE (M-139)			-	-	-	1	2	5	5
CONDUIT SIZE (NEW)			3"	4"	4"	4"	3"	2-4"	2-4"

INSTALL NEW CONDUCTORS THROUGHOUT

POLE SCHEDULE													
POLE DATA			SIGNAL M.A.	SOLID STATE L.E.D.		SIGNAL HEADS AND MOUNTINGS			PED. PUSH BUTTON		FOUNDATION		IISNS LED TYPE (DOUBLE FACE)
NO.	TYPE	HEIGHT		M.A	TYPE	VEHICULAR	M.A.	PEDESTRIAN	PHASE	QUAD.	TYPE	SIZE	
1	16-3-100	17'	20'	-	-	SV-1-T	MAS	SP-1-CS	ø8	S	C	3'-0" X 8'-6"	Chanticleer
2	1-A	7'	-	-	-	-	-	TP-1-T	ø2	W	C	2'-6" X 3'-6"	-
3	15TS	30'	-	15'	RD-1	-	-	-	ø2	W	C	2'-6" X 7'-6"	-
4	1-A	10'	-	-	-	TV-1-T	-	SP-1-CS	ø2	E	C	2'-0" X 3'-6"	-
5	19-4-100	30'	30'	15'	RD-1	SV-2-T	MAS-5A	-	-	-	C	3'-0" X 11'-0"	Chanticleer
6	24-4-100	30'	35'	15'■	RD-1	SV-2-T	MAS-4B	SP-1-CS	ø8	S	C	3'-0" X 11'-0"	Gilbert

ALL EQUIPMENT IS NEW ■ - ROTATE LUMINAIRE ARM 90° C = C.I.D.H.

VIDEO DET. SCHEDULE			
1	1-ø1	9	3-ø2
2	2-ø2	10	1-ø2
3		11	
4		12	
5		13	3-ø6
6	2-ø6	14	1-ø6
7		15	
8	1-ø8	16	

PHASE - FUNCTION - SEQUENCE DIAGRAM								
VEHICLE & PEDESTRIAN MOVEMENTS PER FUNCTION								
NEMA PHASE DESIGNATION	ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8
COORDINATED FUNCTION	*	*	*	*	*	*	*	*

* Determined by Master Computer During Coordination Operation

1+6 → 2+6 → 8

SEQUENCE WITH CALLS ON ALL PHASES

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBILITY OF JOE E. FOUST, R.C.E. NO. 20258 EXP. 9-30-15 4-24-15

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: STANTEC 38 TECHNOLOGY, IRVINE, CA 92618 TEL: (949) 923-6000 FAX: (949) 923-6101

TRAFFIC SIGNAL MODIFICATION PLAN

GILBERT STREET AT CHANTICLEER RD

Digital Reference Number

IS-01

Sheet 52of 72

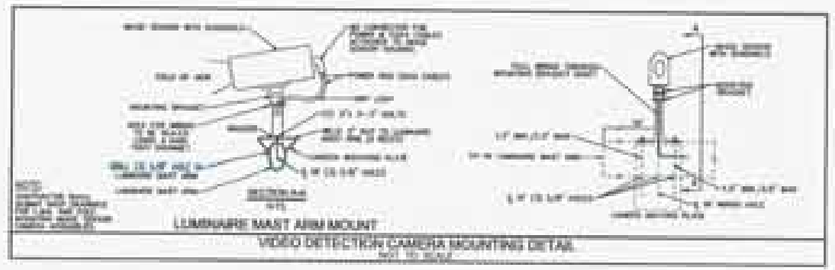
DRAWING: s:\work projects\design\gilbert street ed03738\submittals\dist\gilbert st - project 5 - c11-078\dgn\traffic signal-gilbert.dwg PLOTTED:

NOTES THIS SHEET

1. ALL METHODS, WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST CITY OF ANAHEIM SPECIFICATIONS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, AND THE SPECIAL PROVISIONS (SCOPE OF WORK) FOR THIS PROJECT UNLESS OTHERWISE NOTED. NEW EQUIPMENT, METHODS, MATERIALS, PLANS, AND DIMENSIONS/REQUIREMENTS WILL REMAIN IN ENGLISH UNITS.
2. UTILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF KNOWLEDGE AVAILABLE. THE CONTRACTOR, HOWEVER, IS REQUIRED TO TAKE STEPS TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO DOING WORK THAT MAY INTERFERE WITH SUCH FACILITIES. CONTACT USA (NO ALERT AT 1-800-227-2600 48 HOURS IN ADVANCE.
3. EACH CONDUCTOR IN EACH PULL BOX SHALL BE IDENTIFIED WITH A PERMANENT IDENTIFICATION BAND IN PULL BOXES AND NEAR END OF EACH CONDUCTOR WHERE CONDUCTORS AND TERMINATED. PERMANENT IDENTIFICATION BANDS SHALL BE TAMPERPROOF ALUMINUM FOR TYPE WITH PRESSURE SENSITIVE OR RESISTANT BACKING.
4. ALL CONDUIT SHALL BE 2.5" RIGID GALVANIZED STEEL INSTALLED AT MINIMUM DEPTH OF 30" UNLESS OTHERWISE NOTED ON PLANS. NEW CONDUIT SHALL ENTER PULL BOXES WITH A CONDUIT SWEEP NOT EXCEEDING 45°.
5. CORE, SAW-CUT, AND POLE FOUNDATION LOCATIONS SHALL BE DESIGNED IN THE FIELD BY THE ENGINEER PRIOR TO EXCAVATING. DIRT AND DEBRIS ON THE STREET SURFACE DUE TO SAWCUTTING AND CORING ACTIVITIES SHALL BE REMOVED IMMEDIATELY AFTER SAWCUTTING. POLE PLACEMENT MAY BE ADJUSTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION FOR THE NEW LOCATION SHALL BE GRANTED TO THE CONTRACTOR.
6. ALL PULL BOXES SHALL BE #5 UNLESS SHOWN OTHERWISE.
7. TRAFFIC SIGNAL SHALL REMAIN IN OPERATION AT ALL TIMES. CONTRACTOR SHALL PROVIDE TEMPORARY WIRING IF NECESSARY.
8. THE CONTRACTOR SHALL MAINTAIN THE EXISTING TRAFFIC SIGNAL SYSTEM WITHIN THE PROJECT LIMITS. CARE SHALL BE TAKEN TO AVOID DAMAGING THE EXISTING TRAFFIC SIGNAL SYSTEM. IF THE TRAFFIC SIGNAL SYSTEM IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THE SIGNAL SYSTEM AS DIRECTED BY THE ENGINEER AT NO COST TO THE CITY OF ANAHEIM.
9. TRENCHING IN STREET PAVEMENT SHALL NOT BE ALLOWED FOR THIS PROJECT. HOWEVER, IN SIDEWALK AREAS, CONTRACTOR MAY TRENCH OR BORE SUCH THAT SIDEWALK IS REPLACED IN KIND. SCORE MARK TO SCORE MARK.
10. MAINTAIN 12" CLEARANCE FROM EXISTING OVERHEAD FACILITIES IN THE AREA AT ALL TIMES.
11. PROTECT-IN-PLACE EXISTING SIGNS UNLESS NOTED OTHERWISE.
12. CONTRACTOR SHALL FURNISH ALL MATERIAL AND EQUIPMENT REQUIRED.
13. CONTRACTOR SHALL POT-HOLE TO IDENTIFY EXACT UTILITY LOCATION AND DEPTH PRIOR TO INTRODUCING CONDUIT.
14. THE CITY OF ANAHEIM WILL ISSUE A CONSTRUCTION PERMIT FOR THIS PROJECT FOR WORK INSIDE THE CITY. THE CITY ENGINEER'S OFFICE SHALL BE NOTIFIED AT LEAST (2) TWO WORKING DAYS PRIOR TO ANY INSPECTION, OR WORK NECESSARY TO FACILITATE CONSTRUCTION, AT (714)765-5126.
15. CONTRACTOR SHALL CONTACT CITY OF ANAHEIM TRAFFIC SYSTEMS MAINTENANCE (PHONE NO. 714-765-5125) TWO WEEKS PRIOR TO START OF CONSTRUCTION TO COORDINATE IMPROVEMENTS.
16. CONTRACTOR SHALL SUBMIT PROPOSED VIDEO DETECTION SYSTEM SUBMITTAL TO CITY OF ANAHEIM FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
17. [illegible] INDICATES VIDEO DETECTION ZONE.

CONSTRUCTION NOTES

1. REMOVE AND SALVAGE EXISTING CONTROLLER. FURNISH AND INSTALL NEW 2070N CONTROLLER IN EXISTING TYPE "A" CABINET. INSTALL VIDEO DETECTION SYSTEM, 5-1-HARD, AND CABLES AS REQUIRED. FURNISH ALL NECESSARY EQUIPMENT AND APPURTENANCES TO PROVIDE THE INTENDED OPERATION OF THIS PLAN. CONTROLLER WILL BE PROGRAMMED BY CITY FORCES.
2. FURNISH AND INSTALL VIDEO CAMERA ON LUMINAIRE MAST ARM AS SHOWN AND NECESSARY VIDEO AND POWER CABLES TO CONTROLLER CABINET AND TERMINATE.
3. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPS, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE SIGNS, MPT ANTENNA TO NEW POLE LOCATION (2) AS SHOWN.
4. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPS, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE SIGNS, MPT ANTENNA TO NEW POLE LOCATION (3) AS SHOWN.
5. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPS, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE SIGNS, MPT ANTENNA TO NEW POLE LOCATION (5) AS SHOWN.
6. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPS, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE SIGNS, MPT ANTENNA TO NEW POLE LOCATION (6) AS SHOWN.
7. REMOVE AND SALVAGE EXISTING POLE, PPS, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE.



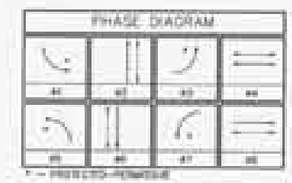
VIDEO DETECTION CAMERA MOUNTING DETAIL
NOT TO SCALE

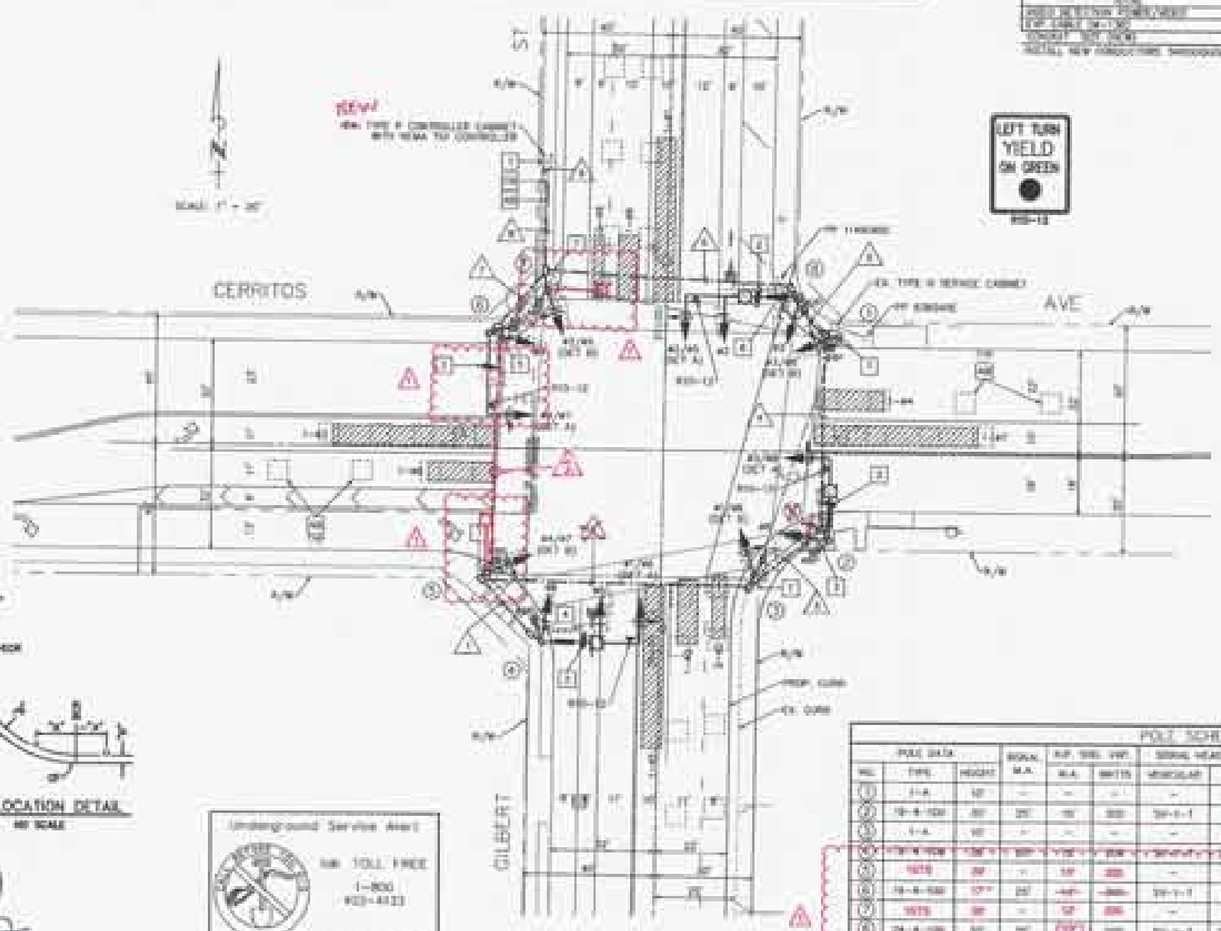
CABLE AND CONDUCTOR SCHEDULE

WIRE SIZE, WIRE OR CABLE TYPE	SYM	PHASE	1	2	3	4	5	6	7	8	9
10 CDC	1	#1, #8, #9/7/STRIPE	–	–	–	–	1/0	–	–	1/0	1/0
	2	#1, #8, #9/7	–	–	–	1/0	1/0	1/0	–	1/0	1/0
	3	#1, #9, #27/#8/#9	–	–	1/0	1/0	1/0	1/0	–	1/0	1/0
	4	#1, #9, #27/#8/#9	1/0	1/0	1/0	1/0	1/0	1/0	–	1/0	1/0
	5	#1, #9, #27/#8/#9	1/0	1/0	1/0	1/0	1/0	1/0	–	1/0	1/0
	6	#1, #7, #27/#8/#9	–	–	–	–	–	1/0	–	1/0	1/0
	7	#1, #9, #27/#8/#9	–	–	–	–	1/0	–	–	1/0	1/0
	8	#1, #9, #27/#8/#9	–	–	–	–	1/0	–	–	1/0	1/0
	9	SPARE	–	–	1/0	1/0	1/0	–	–	1/0	1/0
		TOTAL	5/0	5/0	5/0	4/0	4/0	5/0	1/0	8/0	8/0
#12		U.S.E.S.	1	1	1	1	1	1	1	1	1
		VF WIRE	1	1	1	1	1	1	1	1	1
		TL	1	1	1	1	1	1	1	1	1
#10		SIGNAL & SIGN CDR. (SPARE)	1	1	1	1	1	1	–	1	1
		TOTAL	3	3	3	3	3	3	1	3	3
VIDEO DETECTION CABLE/VIDEO			1	1	1	1	1	1	–	1	1
ETHERNET CABLE (Cat-5e)			–	–	–	–	–	–	–	1	1
CONDUIT SIZE (INCH)			2"	2"	2"	2"	2"	2"	2"	2"	2"

INSTALL NEW CONDUCTORS THROUGHOUT (E) – EXISTING

PHASE DIAGRAM





POLE SCHEDULE

NO.	POLE DATA TYPE	HEIGHT	SIGNAL M.A.	R.P. SIG. UNIT M.A.	WATTS	SIGNAL HEADS AND MOUNTINGS VEHICULAR	M.A.	PEDESTRIAN	PED. PUSH BUTTON PHASE	SIGNS	POLE LOCATION "X"	"Y"	ARM DISTANCE-FT. (LEG)
1	1-A	32'	–	–	–	–	–	2P-1-CD	8	W	4'	1'	–
2	19-8-100	30'	20'	10'	300	3V-1-1	WHS	2P-1-CD	–	W	4'	5.5'	GILBERT (120)
3	1-A	32'	–	–	–	–	–	2P-1-CD	8	S	15'	1'	–
4	19-8-100	30'	20'	10'	300	3V-1-1	WHS	2P-1-CD	8	S	15'	1'	CERRITOS (AVE)
5	19TS	30'	–	10'	300	–	–	2P-1-CD	8	E	14'	1'	–
6	19-8-100	17'*	20'	~~10'~~	~~300~~	3V-1-1	WHS	2P-1-CD	8	E	1'	1'	GILBERT (120)
7	19TS	30'	–	10'	300	–	–	2P-1-CD	8	E	8'	1'	–
8	24-8-100	30'	20'	~~10'~~	300	3V-1-1	2-WHS	2P-1-CD	8	E	10'	1'	CERRITOS (AVE)
~~9~~	~~20TS-PTMP~~	~~[illegible]'~~	–	–	–	–	–	–	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	

ALL POLES AND EQUIPMENT ARE NEW UNLESS SHOWN AS (R) – RELOCATE.
* AS DETERMINED BY THE ENGINEER IN THE FIELD.
~~9~~ REPLACED WITH STRAIGHT LUMINAIRE MAST ARM

POLE LOCATION DETAIL
NO SCALE

Underground Service Alert
TOLL FREE
1-800
422-4133

REVISIONS				
NO.	DATE	DESCRIPTION	DRAWN	APPROVED
1	5-17-18	TRAFFIC SIGNAL PLAN REVISIONS	JMB	

REFERENCES

SCALE: 1" = 20' | DESIGNED BY: AG | REVIEWED BY: JF

PLANS PREPARED BY

CITY OF ANAHEIM
DEPARTMENT OF PUBLIC WORKS
200 SOUTH ANAHEIM BLVD. #278
ANAHEIM, CA 92805
(714) 765-5176
www.anaheim.net

TRAFFIC SIGNAL MODIFICATION PLAN
GILBERT STREET
AT CERRITOS AVENUE

CITY OF ANAHEIM
DEPARTMENT OF PUBLIC WORKS

ACCOUNT NUMBER

T15-02
SHEET 33 OF 77

NOTES THIS SHEET

1. ALL METHODS, WORKS, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST CITY OF ANAHEIM SPECIFICATIONS, STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS, AND THE SPECIAL PROVISIONS (SCOPE OF WORK) FOR THIS PROJECT UNLESS OTHERWISE NOTED. NEW EQUIPMENT, METHODS, MATERIALS, PLANS, AND BASEMEASUREMENTS WILL REMAIN IN ENGLISH UNITS.
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4. ALL CONDUIT SHALL BE 2.5" RIGID GALVANIZED STEEL INSTALLED AT MINIMUM DEPTH OF 30" UNLESS OTHERWISE NOTED ON PLANS. NEW CONDUIT SHALL ENTER PULL BOXES WITH A CONDUIT SWEEP NOT EXCEEDING 45°.
5. CORE, SAW-CUT, AND POLE FOUNDATION LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO EXCAVATING. DIRT AND DEBRIS ON THE STREET SURFACE DUE TO SAWCUTTING AND CORING ACTIVITIES SHALL BE VACUUMED IMMEDIATELY AFTER SAWCUTTING. POLE PLACEMENT MAY BE ADJUSTED BY THE ENGINEER; NO ADDITIONAL COMPENSATION FOR THE NEW LOCATION SHALL BE GRANTED TO THE CONTRACTOR.
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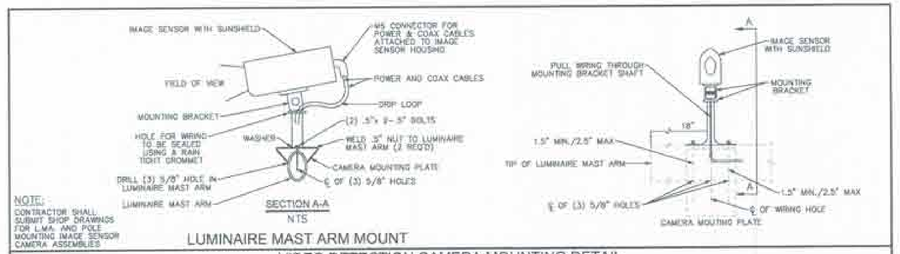
16. CONTRACTOR SHALL SUBMIT PROPOSED VIDEO DETECTION SYSTEM SUBMITTAL TO CITY OF ANAHEIM FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
17. ▨ INDICATES VIDEO DETECTION ZONE.

CONSTRUCTION NOTES

1. REMOVE AND SALVAGE EXISTING CONTROLLER. FURNISH AND INSTALL NEW 2070LN CONTROLLER IN EXISTING TYPE "P" CABINET. INSTALL VIDEO DETECTION SYSTEM, D-PANEL, AND CABLES AS REQUIRED. FURNISH ALL NECESSARY EQUIPMENT AND APPURTENANCES TO PROVIDE THE INTENDED OPERATION OF THIS PLAN. CONTROLLER/MMU PROGRAMMING BY CITY FORCES.
2. FURNISH AND INSTALL VIDEO CAMERA ON LUMINAIRE MAST ARM AS SHOWN AND NECESSARY VIDEO AND POWER CABLES TO CONTROLLER CABINET AND TERMINATE.
3. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPB, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE IISNS, WIFI ANTENNA TO NEW POLE LOCATION (2) AS SHOWN.
4. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPB, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE IISNS, WIFI ANTENNA TO NEW POLE LOCATION (4) AS SHOWN.
5. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPB, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE IISNS, WIFI ANTENNA TO NEW POLE LOCATION (6) AS SHOWN.
6. REMOVE AND SALVAGE EXISTING POLE, MAST ARM, LUMINAIRE ARM, LUMINAIRE LAMP, PPB, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE. RELOCATE IISNS, WIFI ANTENNA TO NEW POLE LOCATION (8) AS SHOWN.
7. REMOVE AND SALVAGE EXISTING POLE, PPB, VEHICLE AND PEDESTRIAN SIGNALS. REMOVE EXISTING FOUNDATION COMPLETE.

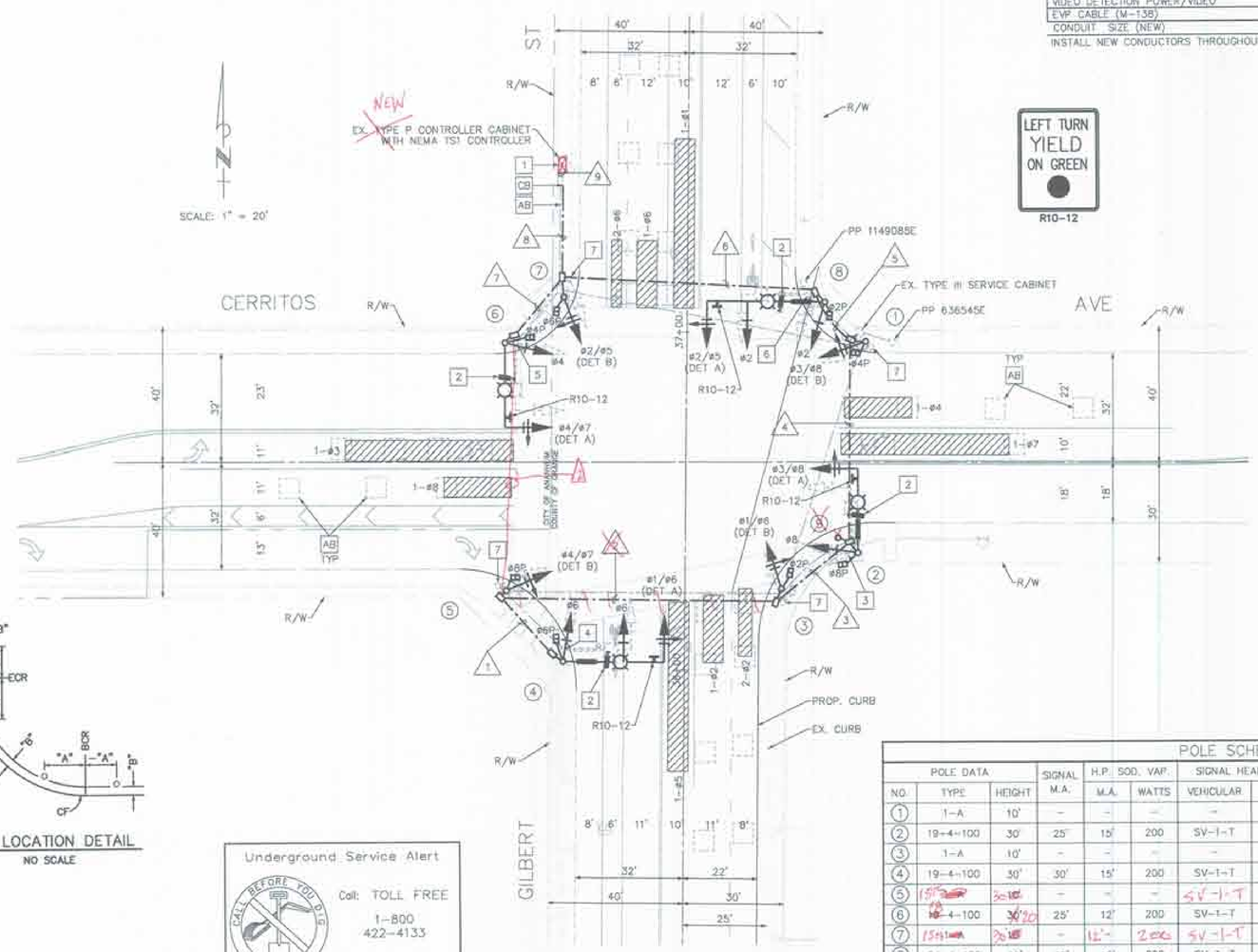


LUMINAIRE MAST ARM MOUNT

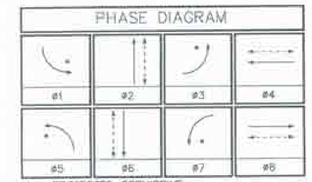
VIDEO DETECTION CAMERA MOUNTING DETAIL
NOT TO SCALE

CABLE AND CONDUCTOR SCHEDULE										
AWG SIZE, WIRE OR CABLE TYPE	STD	PHASES	CONDUIT SIZE AND RUN NUMBER								
			1	2	3	4	5	6	7	8	9
12 CSC / 3 CSC	1	#3, #8, #4P/#2PPB	–	–	–	–	1/1	1/1	–	1/1	1/1
	2	#3, #8, #8P/	–	–	–	1/0	1/0	1/0	–	1/0	1/0
	3	#1, #6, #2P/#8PPB	–	–	1/1	1/1	1/1	1/1	–	1/1	1/1
	4	#1, #6, #6P/#8PPB	1/1	1/1	1/1	1/1	1/1	1/1	–	1/1	1/1
	5	#4, #7, #8P/#6PPB	1/1	1/1	1/1	1/1	1/1	1/1	–	1/1	1/1
	6	#4, #7, #4P/#6PPB	–	–	–	–	–	–	1/1	1/1	1/1
	7	#2, #5, #6P/#4PPB	–	–	–	–	–	–	–	1/1	1/1
	8	#2, #5, #2P/#4PPB	–	–	–	–	–	1/1	–	1/1	1/1
	9	#2PPB	–	–	–	0/1	0/1	0/1	–	0/1	0/1
		TOTAL	2/2	2/2	3/3	4/4	5/5	6/6	1/1	8/8	8/8
#12		I.I.S.N.S.	2	2	2	2	2	2	2	–	–
		SPARES	3	3	3	3	3	3	3	6	6
		TOTAL	5	5	5	5	5	5	5	6	6
#10		SIGNAL & SIGN COM.	1	1	1	1	1	1	1	1	1
		LUMINAIRES	2	2	2	2	2	2	2	–	–
		TOTAL	3	3	3	3	3	3	3	1	1
VIDEO DETECTION POWER/VIDEO			1	1	1	2	2	3	1	4	4
EVP CABLE (M-138)			–	–	–	–	–	–	–	–	–
CONDUIT SIZE (NEW)			3"	4"	4"	4"	4"	4"	3"	2-4"	2-3"(E)

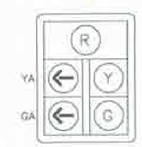
INSTALL NEW CONDUCTORS THROUGHOUT (E) – EXISTING



PHASE DIAGRAM

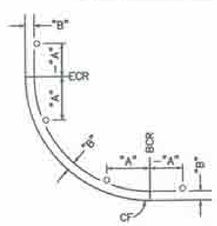


* – PROTECTED-PERMISSIVE



DETAIL A

DETAIL B



POLE LOCATION DETAIL
NO SCALE

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

POLE SCHEDULE													
POLE DATA			SIGNAL M.A.	H.P. SOD. VAP.		SIGNAL HEADS AND MOUNTINGS			PED. PUSH BUTTON		POLE LOCATION		IISNS (PERIMETER-LIT L.E.D.)
NO.	TYPE	HEIGHT		M.A.	WATTS	VEHICULAR	M.A.	PEDESTRIAN	PHASE	QUAD.	"A"	"B"	
1	1-A	10'	–	–	–	–	–	SP-1-CS	B	W	4'	3'	–
2	19-4-100	30'	25'	15'	200	SV-1-T	MAS	SP-1-CS	–	W	6'	8.5'	GILBERT ST(R)
3	1-A	10'	–	–	–	–	–	SP-1-CS	B	N	15'	3'	–
4	19-4-100	30'	30'	15'	200	SV-1-T	2-MAS	SP-1-CS	B	N	8'	3'	CERRITOS AVE(R)
5	15~~[illegible]~~	30~~[illegible]~~	–	–	–	SV-1-T	–	SP-1-CS	B	E	14'	3'	–
6	~~[illegible]~~-4-100	30'20	25'	12'	200	SV-1-T	MAS	SP-1-CS	B	E	3'	3'	GILBERT ST(R)
7	15~~[illegible]~~	25~~[illegible]~~	–	12'-	200	SV-1-T	–	SP-1-CS	B	S	8'	3'	–
8	24-4-100	30'	35'	12'	200	SV-1-T	2-MAS	SP-1-CS	B	S	10'	6'	CERRITOS AVE(R)
9	~~RPB POST~~	~~4'~~	–	–	–	X	–	X –	B	W	12	3'	X DELETED

ALL POLES AND EQUIPMENT ARE NEW UNLESS SHOWN AS (R) = RELOCATE.

REVISIONS				
NO.	DATE	DESCRIPTION	ENGR.	APPROV.

REFERENCES
FOR NOTES TO CONTRACTOR SEE:
FOR STANDARD DETAILS SEE:
STREET PLAN NO's: | STRIPING PLAN NO's:
DISTRICT MAP NO.: | BENCH MARK NO.: | ELEVATION:
BASIS OF BEARING:

SCALE: 1" = 20' | DESIGNED BY: RS | REVIEWED BY: JF

REGISTERED PROFESSIONAL ENGINEER JOE E FOUST 20298 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

PLAN PREPARED BY:
LEAD CIVIL ENGINEER
#20298 R.C.E. No. | 4-24-14 DATE

CITY OF ANAHEIM
DEPARTMENT OF PUBLIC WORKS
200 SOUTH ANAHEIM BLVD. #276
ANAHEIM, CA 92805
(714) 765-5176
www.anaheim.net

TRAFFIC SIGNAL MODIFICATION PLAN
GILBERT STREET
AT CERRITOS AVENUE

CITY OF ANAHEIM
DEPARTMENT OF PUBLIC WORKS

ACCOUNT NUMBER

TS-02
SHEET 53 OF 72
PLAN NUMBER

DRAWING: N:\pw\projects\design 1\gilbert street ev0336\subdivision\final\gilbert st - project 5 - ev1-078\dgn\traffic signal\c-root-dgn-plb.dwg PLOTTED: 6/27/2014 2:47 PM BY: Lee, Jason

NOTES THIS SHEET

1. ALL METHODS, WORKS, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND SPECIFICATIONS AND THE SPECIAL PROVISIONS (SCOPE OF WORK) FOR THIS PROJECT UNLESS OTHERWISE NOTED. NEW EQUIPMENT, METHODS, MATERIALS, PLANS, AND BASE MEASUREMENTS WILL REMAIN IN ENGLISH UNITS.
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3. EACH CONDUCTOR IN EACH PULL BOX SHALL BE IDENTIFIED WITH A PERMANENT IDENTIFICATION BAND IN PULL BOXES AND NEAR END OF EACH CONDUCTOR WHERE CONDUCTORS ARE TERMINATED. PERMANENT IDENTIFICATION BANDS SHALL BE EMBOSSED ALUMINUM FOIL TYPE WITH PRESSURE SENSITIVE OIL RESISTANT BACKING.
4. ALL NEW CONDUITS SHALL BE SCHEDULE 80 PVC AND SHALL BE 3" IN SIZE UNLESS OTHERWISE NOTED ON PLANS. ALL PVC CONDUITS SHALL HAVE A BARE #8 WIRE.
5. CORE, SAW-CUT, AND POLE FOUNDATION LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER PRIOR TO EXCAVATING. DIRT AND DEBRIS ON THE STREET SURFACE DUE TO SAWCUTTING AND CORING ACTIVITIES SHALL BE VACUUMED IMMEDIATELY AFTER SAWCUTTING. POLE PLACEMENT MAY BE ADJUSTED BY THE ENGINEER; NO ADDITIONAL COMPENSATION FOR THE NEW LOCATION SHALL BE GRANTED TO THE CONTRACTOR.
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7. ALL CONDUITS SHALL BE INSTALLED AT MINIMUM DEPTH OF 30".
8. TRENCHING IN STREET PAVEMENT SHALL NOT BE ALLOWED FOR THIS PROJECT. HOWEVER, IN SIDEWALK AREAS, CONTRACTOR MAY TRENCH OR BORE SUCH THAT SIDEWALK IS REPLACED IN KIND, SCORE MARK TO SCORE MARK.
9. MAINTAIN 10' CLEARANCE FROM EXISTING OVERHEAD FACILITIES IN THE AREA AT ALL TIMES.
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18. PEDESTRIAN CROSSING CLOSURE SHALL BE POSTED/SIGNED PRIOR TO DEACTIVATION OF THE EXISTING IRWL SYSTEM AND SHALL REMAIN UNTIL FULL ACTIVATION OF THE NEW SYSTEM.

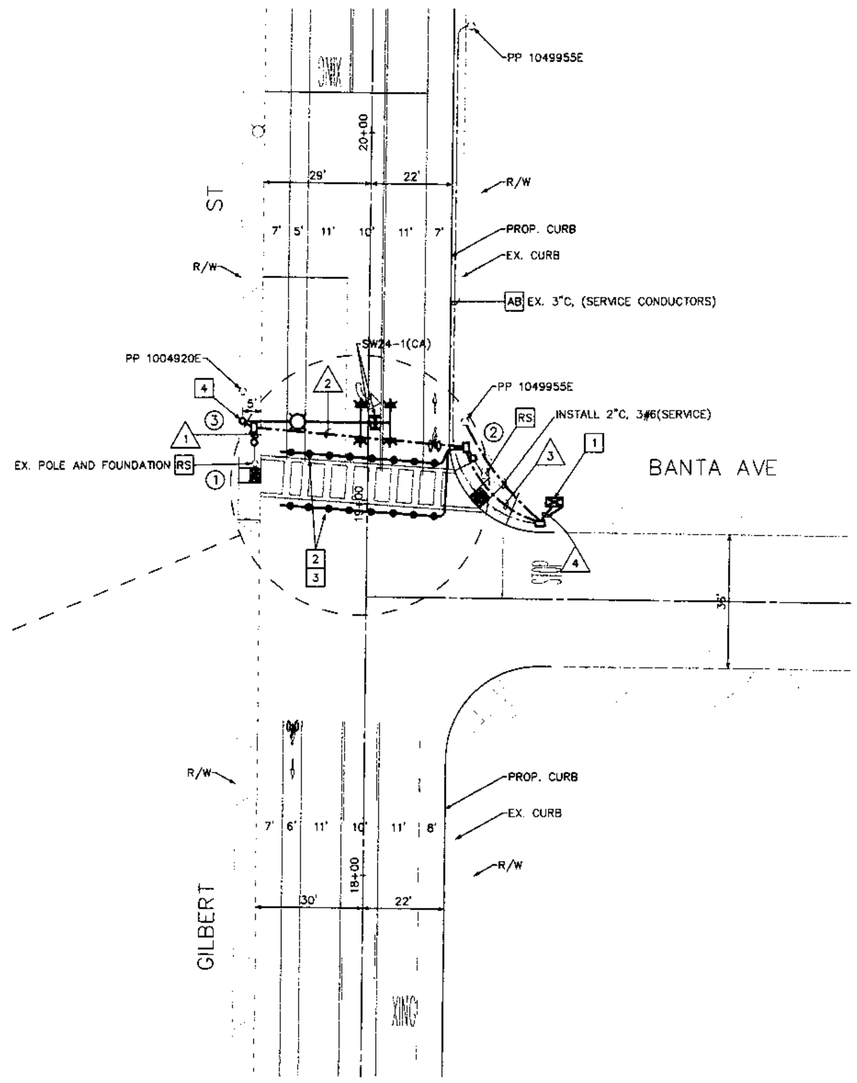
CONSTRUCTION NOTES

1. FURNISH AND INSTALL MODIFIED (24") TYPE III-BF ALUMINUM SERVICE EQUIPMENT ENCLOSURE WITH FOUNDATION PER SPECIFICATION; AND INSTALL "CROSSWALK WARNING LIGHT SYSTEM CONTROLLER" PER SPECIFICATIONS. FURNISH AND INSTALL NEW SERVICE CONDUCTORS TO SERVICE POINT PP 1049955E.
2. FURNISH AND INSTALL "IN-ROADWAY WARNING LIGHTS" PER PRODUCT SPECIFICATION AND SPECIAL PROVISIONS. CONTRACTOR SHALL USE A MECHANICAL GUIDE FOR CORE DRILL OF "IN-ROADWAY WARNING LIGHTS" TO ENSURE ACCURATE CORE CENTER-POINT AND CORE DEPTH.
3. SAW-CUT AND INSTALL CONDUCTORS FOR "IN-ROADWAY WARNING LIGHTS". SEAL ALL SLOTS PER SPECIAL PROVISIONS AND MANUFACTURER INSTRUCTIONS PREVENTING SPILLOVER ONTO PAVEMENT AND WARNING LIGHT UNITS. ALL SPILLOVER SHALL BE CLEANED FROM WARNING LIGHT UNITS AND PAVEMENT TO THE SATISFACTION OF THE ENGINEER.
4. FURNISH AND INSTALL NEW TYPE 26-4-100 POLE WITH BI-DIRECTIONAL SIGNAGE AND BEACONS AS SHOWN. FURNISH AND INSTALL 2#10 TO CONTROLLER CABINET.

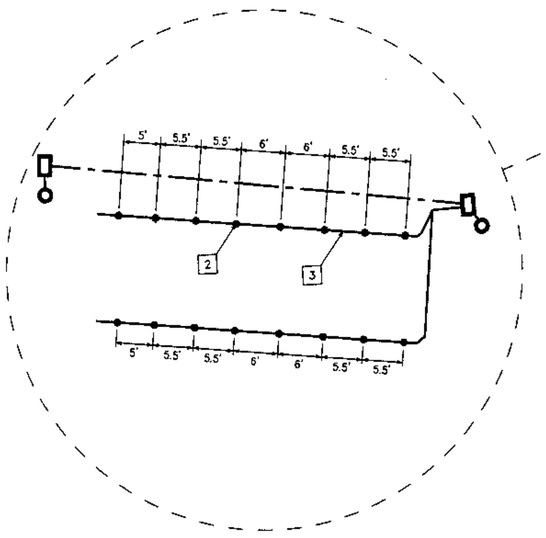
POLE SCHEDULE

POLE DATA			SIGNAL M.A.	SIGNAL MOUNTING	SOLID STATE L.E.D.		PED. PUSH BUTTON		FOUNDATION	
NO.	TYPE	HEIGHT		MAST ARM	M.A.	TYPE	PHASE	QUAD.	TYPE	SIZE
1	PPB POST	3'-10"	--	-	-	-	-	S	-	1'-6" X 1'-6"
2	PPB POST	3'-10"	-	-	-	-	-	S	-	1'-6" X 1'-6"
3	26-4-100	30'	40'	TYPE 9A*	15'	RD-1	-	S	-	3'-6" X 12'-0"

ALL EQUIPMENT IS NEW. * - BI-DIRECTIONAL. SEE CALTRANS STD PLAN ES-7K
PED PUSH BUTTON SHALL BE POLARA BULLDOG OR EQUIVALENT



SCALE: 1" = 20'



DETAIL A
SCALE: 1" = 10'

CONDUCTOR SCHEDULE

AWG SIZE CABLE TYPE	CIRCUIT OR POLE	1	2	3	4
3 CSC	1	1	1	1	1
	2	-	-	1	1
5 CSC	3	-	1	1	1
	TOTAL	1	1	2	2
#6	SERVICE	-	-	-	3
CONDUIT SIZE (NEW)		2"	3"	2"	3"

FURNISH AND INSTALL ALL NEW CONDUCTORS

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
JOE E. FOUST, R.E.E. NO. 20258 EXP. 9-30-15 4-24-14

DESIGNED BY: RS
DRAWN BY: RS
CHECKED BY: JF
DRAWING CODE:
FILE NAME:
PLOT DATE: 4/24/14
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY:
STANTEC
38 TECHNOLOGY DR, STE 100
IRVINE, CA 92618-5312
TEL: (949) 923-6000
FAX: (949) 923-6121

CROSSWALK WARNING LIGHT SYSTEMS
GILBERT STREET AT BANTA AVENUE

Sheet Reference Number
LS-01

DRAWING: w:\wood projects\design 1\gilbert street et8373ft\submittals\final\gilbert st - project 5 - d11-078\dgn\traffic signal\ls-road-signal-gib.dwg PLOTTED:

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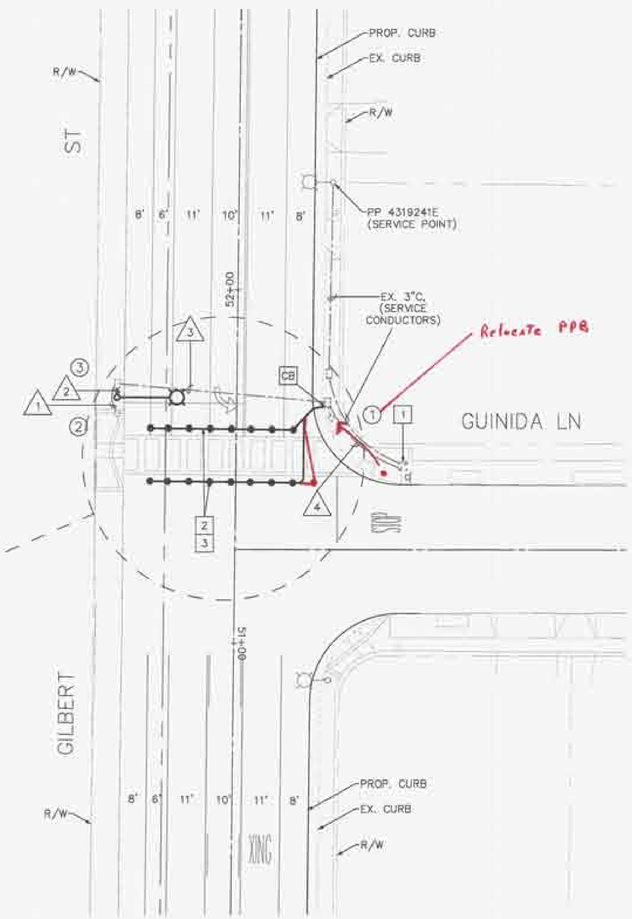
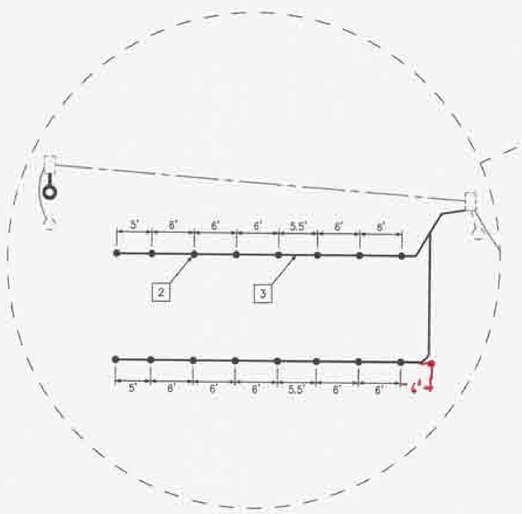
POLE SCHEDULE

POLE DATA			SIGNAL M.A.	SOLID STATE L.E.D.		PED. PUSH BUTTON		FOUNDATION	
NO.	TYPE	HEIGHT		M.A.	TYPE	PHASE	QUAD.	TYPE	SIZE
1	PPB POST	3'-10"	–	–	–	–	S	–	1'-6" X 1'-6"
2	PPB POST	3'-10"	–	–	–	–	S	–	1'-6" X 1'-6"
3	15TS(N)	30'	–	15'	RD-1	–	S	–	2'-6" X 7'-6"

(N) – NEW. ALL OTHER EQUIPMENT IS EXISTING.
PED PUSH BUTTON SHALL BE POLARA BULLDOG OR EQUIVALENT



SCALE: 1" = 20'



DETAIL A
SCALE: 1" = 10'

CONDUCTOR SCHEDULE

AWG SIZE CABLE TYPE	CIRCUIT OR POLE	1	2	3	4
3 CSC	1	–	–	–	1
	2	1	–	1	1
	3	–	1	1	1
	TOTAL	1	1	2	3
#6	SERVICE	–	–	–	–
CONDUIT SIZE (EXISTING)		2"	2"(N)	2"	3"

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF
JOE E. FOUST, R.E. NO. 20258 EXP. 9-30-15
4-24-14

DESIGNED BY: RS
DRAWN BY: RS
CHECKED BY: JF
DRAWING CODE:
FILE NAME:
PLOT DATE: 4/24/14
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
STANTEC
38 TECHNOLOGY DR, STE 100
IRVINE, CA 92618-5312
TEL (949) 923-6000
FAX (949) 923-6121

CROSSWALK WARNING LIGHT SYSTEMS
GILBERT STREET AT GUINIDA LANE

Sheet Reference Number
LS-02

Sheet 55 of 72

DRAWING: s:\road projects\design 1\gilbert street #0236\submittals\final\gilbert st - project 3 - 811-078\sig\traffic signal\c-road-signal-gilb.dwg PLOTTED:

TRAFFIC HANDLING PLAN GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST APPROVED/ ADOPTED EDITIONS OF THE STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS (2010), THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES MUTCD (2012), THE PROJECT SPECIAL PROVISIONS, AND THESE PLANS.
2. ALL TRAFFIC CONTROL DEVICES 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.
3. THE ENGINEER RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN USE AND MAKE ANY CHANGES NECESSITATED BY FIELD CONDITIONS. ALL SUCH CHANGES SHALL SUPERCEDE THESE PLANS AND WILL BE DONE SOLELY AT THE CONTRACTOR'S EXPENSE.
4. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND RESTORE ALL PERMANENT SIGNING AND STRIPING IMPACTED BY CONSTRUCTION TO THEIR ORIGINAL CONDITION. CONTRACTOR RESPONSIBLE FOR THE REPAIR OF ALL DAMAGE TRAFFIC LOOPS WITHIN 72 HOURS OF DAMAGE TO THEM.
5. ALL STRIPING, PAVEMENT MARKINGS, AND LEGENDS SHALL CONFORM TO CALTRANS STANDARD PLANS A20A-A20D AND A24A-A24E.
6. SIGNS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2012 EDITION. SIGN SIZE SHALL BE THE STANDARD SIZE, UNLESS OTHERWISE NOTED ON THE PLAN.
7. ALL TEMPORARY STRIPING, PAVEMENT MARKINGS, AND LEGENDS SHALL BE IN PAINT.
8. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ABUTTING PROPERTY OWNERS. CONTRACTOR SHALL DISTRIBUTE ADVISORY NOTICES TO EACH BUSINESS, ASSOCIATION, OR RESIDENCE WHICH WILL BE AFFECTED BY CLOSURE OR RESTRICTION TO ACCESS. SAID NOTICES ARE IN THE FORM OF A DOOR KNOB CARD WHICH ARE FURNISHED BY THE COUNTY FOR ACTIVITIES THAT WOULD AFFECT ACCESS OPERATIONS AND THE CONTRACTOR SHALL FILL IN THE DAY AND DATE FOR SCHEDULED WORK AND DISTRIBUTE NOTICES AT LEAST 36 HOURS BUT NOT MORE THAN 72 HOURS, EXCLUDING SUNDAYS, PRIOR TO THE WORK. CONTRACTOR SHALL PROVIDE ACCESS OR TEMPORARY ACCESS TO ALL BUSINESS AND RESIDENTIAL DRIVEWAYS EXCEPT AT THOSE TIMES WHEN CONSTRUCTION OPERATIONS SPECIFICALLY PROHIBIT ACCESS, BUT IN NO CASE LONGER THAN EIGHT (8) HOURS UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL CONTACT THE BUSINESS OR RESIDENCE OF THE NATURE AND DURATION AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO ACCESS RESTRICTION.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM TRAVEL LANES BY THE CLOSE OF WORKING HOURS EACH DAY, UNLESS THEY ARE BEING USED TO PROTECT WORK. THE CONTRACTOR MAY LEAVE SIGN(S) OVERNIGHT IF THEY ARE SECURE AND DO NOT OBSTRUCT ANY WALKWAY OR ROADWAY. IN ADDITION, ANY SIGN(S) LEFT IN PLACE DURING NON-WORKING HOURS SHALL BE NON-VISIBLE AND COVERED. ALL TRAFFIC CONTROL DEVICES NOT BEING USED SHALL BE STAGED IN ONE AREA ON-SITE.
10. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, SYMBOLS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED BY A METHOD APPROVED BY THE ENGINEER PRIOR TO ANY CHANGE IN TRAFFIC PATTERN.
11. ONE (1) TRAFFIC LANE SHALL BE MAINTAINED IN EACH DIRECTION AT ALL TIMES WITH 11' MINIMUM WIDTHS AND 5' MINIMUM CLEARANCES FROM OPEN EXCAVATIONS. OPEN TRENCH WITH LESS THAN 5' OF CLEARANCE SHALL BE PROTECTED BY K RAIL BARRIERS/ TEMPORARY CRASH CUSHIONS INSTALLED PER CALTRANS STD.
12. CONTRACTOR SHALL POST UNEVEN LANE SYMBOL OR STEEL PLATES AHEAD SIGNS FOR PAVEMENT SURFACE DISRUPTIONS OF 1/2" OR GREATER. PAVEMENT DISRUPTIONS OF 1" OR GREATER SHALL HAVE BEVELED EDGES OF FOUR HORIZONTAL TO ONE VERTICAL (4:1). CONTRACTOR SHALL INSTALL CAUTION STEEL PLATES AHEAD SIGNS IN ADVANCE OF STEEL PLATES.
13. PLACE ADDITIONAL LANE CLOSED C30 SIGNS ON TYPE II BARRICADES AS DIRECTED BY THE COUNTY ENGINEER THROUGHOUT EXTENDED WORK AREAS IN EACH LANE THAT IS CLOSED. INSTALL OPEN TRENCH C27 SIGNS WHENEVER AN OPEN EXCAVATION AREA EXISTS ADJACENT TO THE TRAVELED WAY.
14. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT (ADA) AS RELATED TO PEDESTRIAN ACCESS AND SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES PER ADA REQUIREMENTS. SIDEWALK CLOSURE/DETOUR SHALL COMPLY WITH THE CALIFORNIA 2012 MUTCD.
15. THE CONTRACTOR SHALL COVER OR REMOVE ALL CONFLICTING SIGNS.
16. THE TRAFFIC CONTROL HANDLING SIGN SUMMARY REPRESENTS THE MINIMUM NUMBER OF SIGNS NECESSARY TO PROVIDE TRAFFIC HANDLING. SITE CONDITIONS MAY REQUIRE MORE SIGNAGE, TRAFFIC CONTROL DEVICES, K RAIL, AND OTHER DEVICES TO PROTECT THE ACTIVE WORK ZONE FROM TRAFFIC. ADDITIONAL ITEMS WILL BE INCLUDED IN THE BID ITEM FOR TRAFFIC HANDLING AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.
17. TRAFFIC HANDLING FOR CONSTRUCTION ACTIVITIES AT INTERSECTIONS AND INTERSECTION APPROACHES WITHIN THE PROJECT LIMITS ON GILBERT STREET SHALL MAINTAIN A MINIMUM OF ONE THRU LANE FOR EACH APPROACH AND TRAFFIC FLOW DIRECTION. WHERE A TRAFFIC FLOW IS RESTRICTED, IT SHALL BE COMPENSATED WITHIN THE APPROACH OR A DETOUR SHALL BE IMPLEMENTED. CONTRACTOR SHALL TEMPORARILY COVER VEHICLE AND PEDESTRIAN INDICATORS AS REQUIRED, AND PROHIBIT PEDESTRIANS AND BICYCLISTS FROM CROSSING BLOCKED PATHS. TRAFFIC HANDLING MEASURES SHALL COMPLY WITH LATEST EDITION OF CALIFORNIA MUTCD.

TRAFFIC HANDLING PLAN GENERAL NOTES (CONT)

16. CONTRACTOR SHALL PROVIDE COUNTY OF ORANGE WITH TRAFFIC HANDLING PLANS FOR REMOVING STRIPING AND RE-STRIPING WORK THAT IS NOT SHOWN IN THE PLANS.
17. THE FOLLOWING AGENCIES SHALL BE NOTIFIED FIVE (5) DAYS IN ADVANCE OF ANY DETOUR AND/OR CONSTRUCTION ACTIVITIES.

CITY OF ANAHEIM	(714) 765-5176
(OCTA) ORANGE COUNTY TRANSPORTATION AUTHORITY	(714) 530-6060
COUNTY OF ORANGE	(714) 560-6282
CITY OF GARDEN GROVE	
CITY OF STANTON	

18. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
19. CONTRACTOR SHALL STAGE WORK THROUGH INTERSECTIONS SO THAT LOCAL TRAFFIC HAS ACCESS AT ALL TIMES, MORE IMPORTANTLY AT SIGNALIZED INTERSECTIONS.
20. WORKING HOURS WITHIN THE PUBLIC TRAVEL WAY: 9:00 AM - 3:00 PM, MONDAY THRU FRIDAY. WEEKENDS, HOLIDAYS, AND NIGHT HOURS MAY BE PERMITTED FOR CONSTRUCTION ACTIVITIES UPON WRITTEN REQUEST AND APPROVAL BY THE ENGINEER.

TRAFFIC REQUIREMENTS

STAGE		SHEET
1	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 1. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.	57-58
1A	REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION. PROVIDE TEMPORARY SCHOOL CROSSING AT CHANTICLEER ROAD.	
2	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.	59-60
2A	REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.	
3	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.	61-62
3A	REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.	
4	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 4. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.	63-64
4A	REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.	

PORTABLE CHANGEABLE MESSAGE SIGN NOTES

1. CONTRACTOR SHALL INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AT THE BEGINNING AND ENDING OF THE CONSTRUCTION PROJECT. DISPLAY MESSAGE PER PLAN.
2. CONTRACTOR SHALL PROGRAM EACH SCREEN OF THE OF ALL PCMS TO FLASH FOR TWO (2) SECONDS.

** TWO WEEKS PRIOR TO CONSTRUCTION AS DIRECTED BY ENGINEER

SCREEN 1	SCREEN 2
CONST	XX/XX/XX
GILBERT	TO
STREET	XX/XX/XX

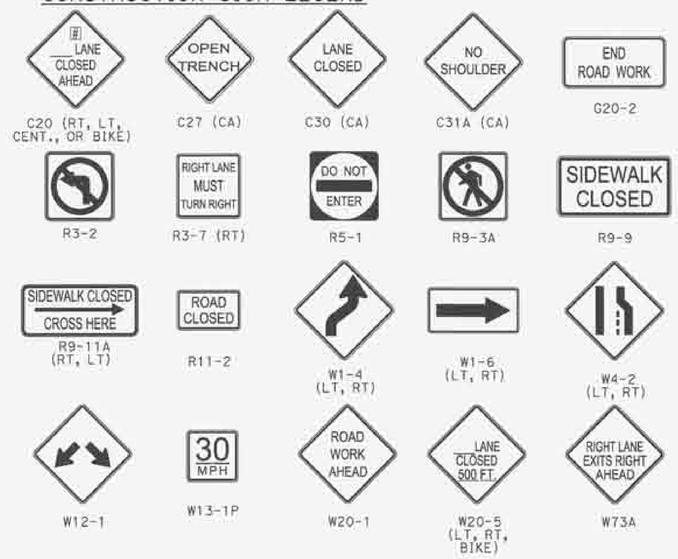
** DURING CONSTRUCTION

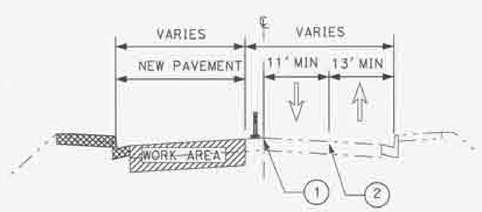
SCREEN 1	SCREEN 2
MAJ WORK	EXPECT
GILBERT	DELAYS
STREET	

CONSTRUCTION NOTES

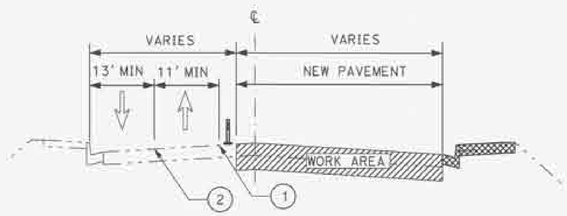
1. PAINT 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. PAINT 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

CONSTRUCTION SIGN LEGEND





GILBERT STREET
STAGE 1 AND 1A
(CERRITOS AVENUE TO BALL ROAD)
STAGE 4 AND 4A
(KATELLA AVENUE TO CERRITOS AVENUE)



GILBERT STREET
STAGE 2 AND 2A
(CERRITOS AVENUE TO BALL ROAD)
STAGE 3 AND 3A
(KATELLA AVENUE TO CERRITOS AVENUE)

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, REGISTERED PROFESSIONAL ENGINEER, No. 72701, Exp. 12/31/15, CIVIL, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

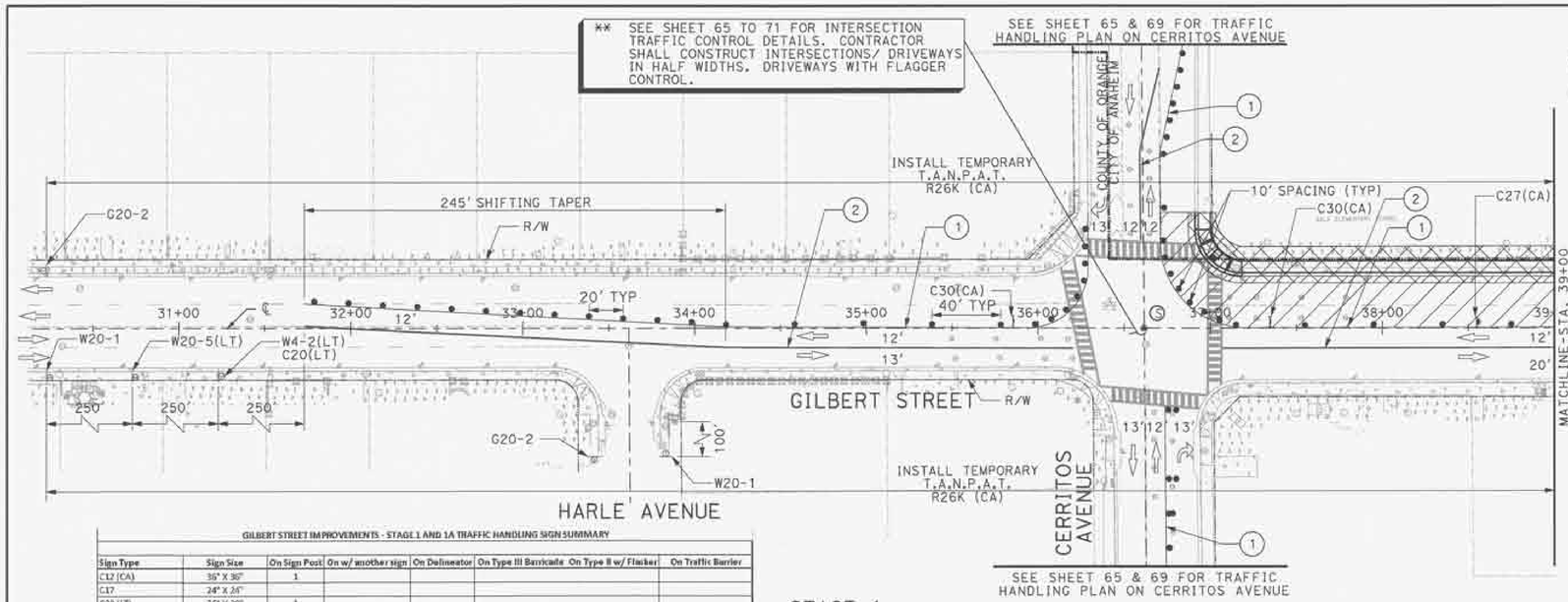
PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING
GENERAL NOTES, TYPICAL SECTIONS, AND PCMS PLAN

Sheet Reference Number
TH-01

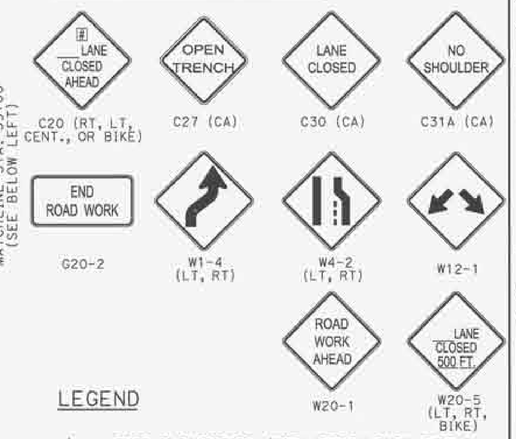
M:\20RAD\30905\TRANSP\SHEETS\c-road-th-01.dgn



CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND



LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

GILBERT STREET IMPROVEMENTS - STAGE 1 AND 1A TRAFFIC HANDLING SIGN SUMMARY

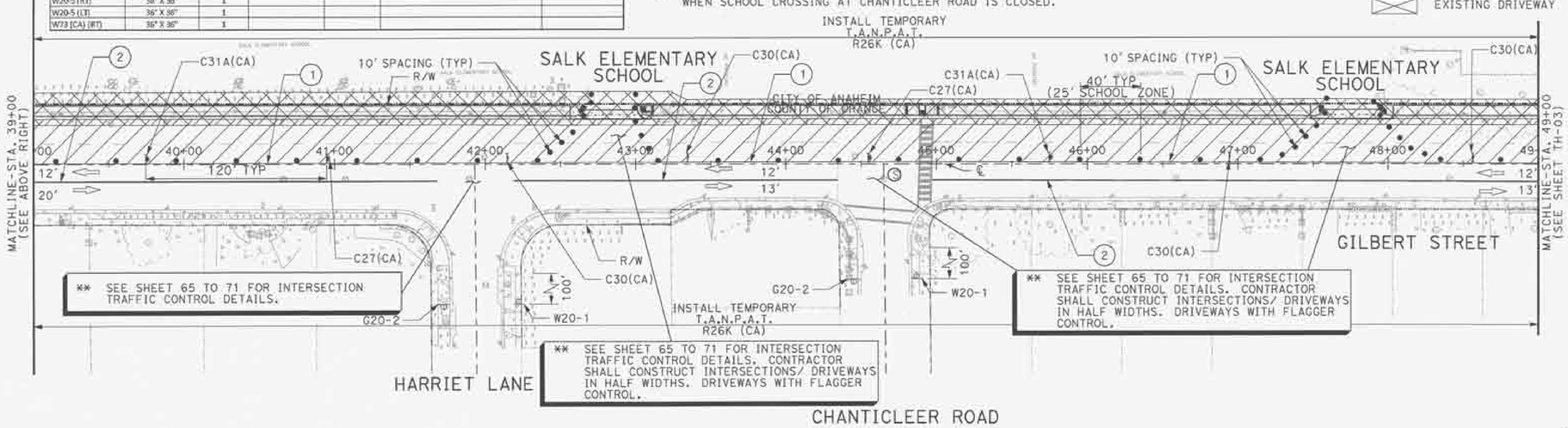
Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C12 (CA)	36" X 36"	1					
C17	24" X 24"						
C20 (LT)	36" X 36"	1					
C20 (RT)	36" X 36"	1					
C27 (CA)	36" X 36"				1	8	
C30 (CA)	36" X 36"				7		
C31A (CA)	36" X 36"					6	
G20-2	36" X 18"	14					
R3-5 (RT)	30" X 36"	1					
R3-7 (RT)	30" X 30"	3					
R3-18	24" X 24"				1		
R4-7A	24" X 30"					3	
R9-3A	12" X 18"		3				
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		2				
R9-9	18" X 12"	4					
R9-11A (RT)	48" X 30"	1					2
R9-11A (LT)	48" X 30"						2
W4-2 (LT)	36" X 36"		2				
W12-1	30" X 30"			1		3	
W20-1	36" X 36"	14					
W20-5 (RT)	36" X 36"	1					
W20-5 (LT)	36" X 36"	1					
W73 (CA) (RT)	36" X 36"	1					

STAGE 1

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 1.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 1A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
2. PROVIDE TEMPORARY SCHOOL CROSSING AT CHANTICLEER ROAD WHEN SCHOOL CROSSING AT GUINIDA LANE IS CLOSED.
3. PROVIDE TEMPORARY SCHOOL CROSSING AT GUINIDA LANE WHEN SCHOOL CROSSING AT CHANTICLEER ROAD IS CLOSED.



1" = 40'

40 20 0 40 80

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS, PROFESSIONAL ENGINEER, REGISTERED CIVIL ENGINEER, STATE OF CALIFORNIA, No. 72715, 12/31/15 — DATE 04/30/2014

DESIGNED BY: V. HELLERS
DRAWN BY: V. HELLERS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS, 3 HUTTON CENTRE DRIVE, STE 200, SANTA ANA, CA 92707, TEL: (714) 751-7373, FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 1 AND 1A

STA 30+50 TO STA 49+00

Sheet Reference Number

TH-02

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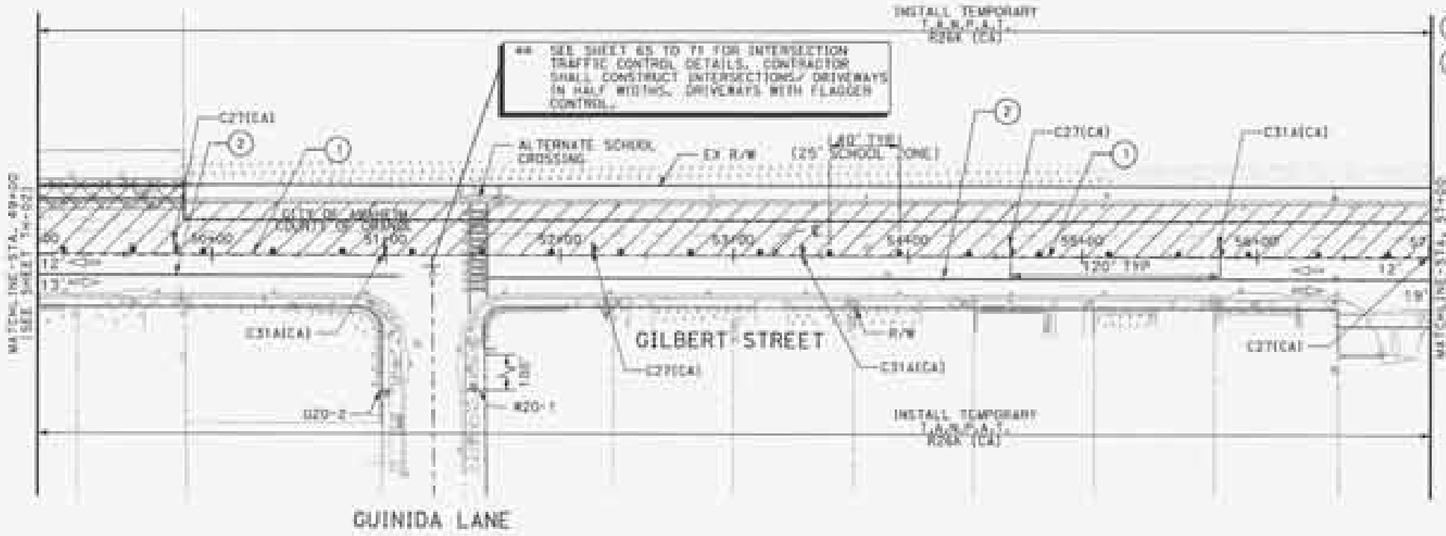
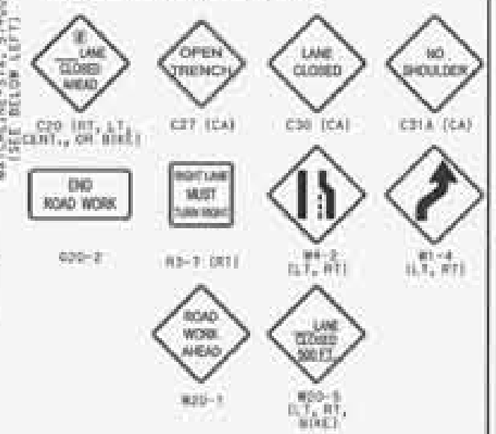
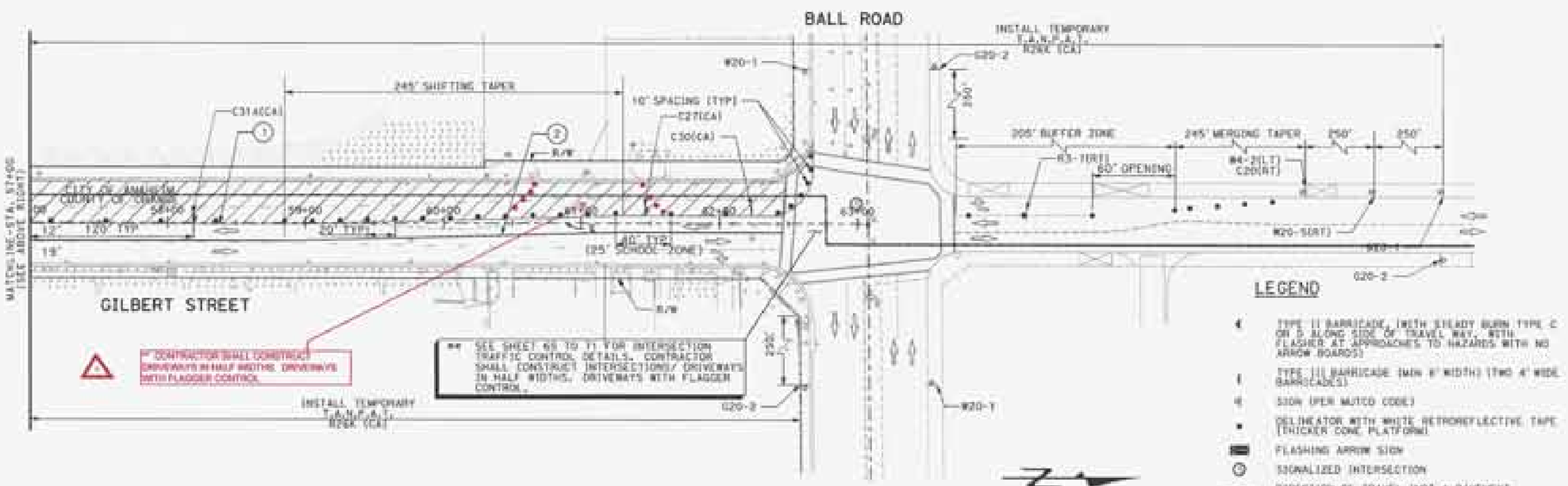


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 23B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND





LEGEND

- TYPE II BARRICADE, WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY, WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

DATE	DESCRIPTION	BY
	REVISED PLANS PER CHANGE ORDER NO. 1	

RECOMMENDED BY: T. WILLIAMS
DESIGNED BY: T. WILLIAMS
DRAWN BY: T. WILLIAMS
CHECKED BY: A. MONTERO
DRAWING TITLE: TITLE PAGE
PLAN DATE: 04/27/2020
DRAWING NO.: TH-01

ORANGE COUNTY DC PUBLIC WORKS

PREPARED BY: PSOMAS
3 MACARTHUR PLACE, SUITE 200, SANTA ANA, CA 92707
PHONE: 714.551.3500
FAX: 714.551.3535

GILBERT STREET IMPROVEMENTS FROM NUTWOOD AVENUE TO BALL ROAD

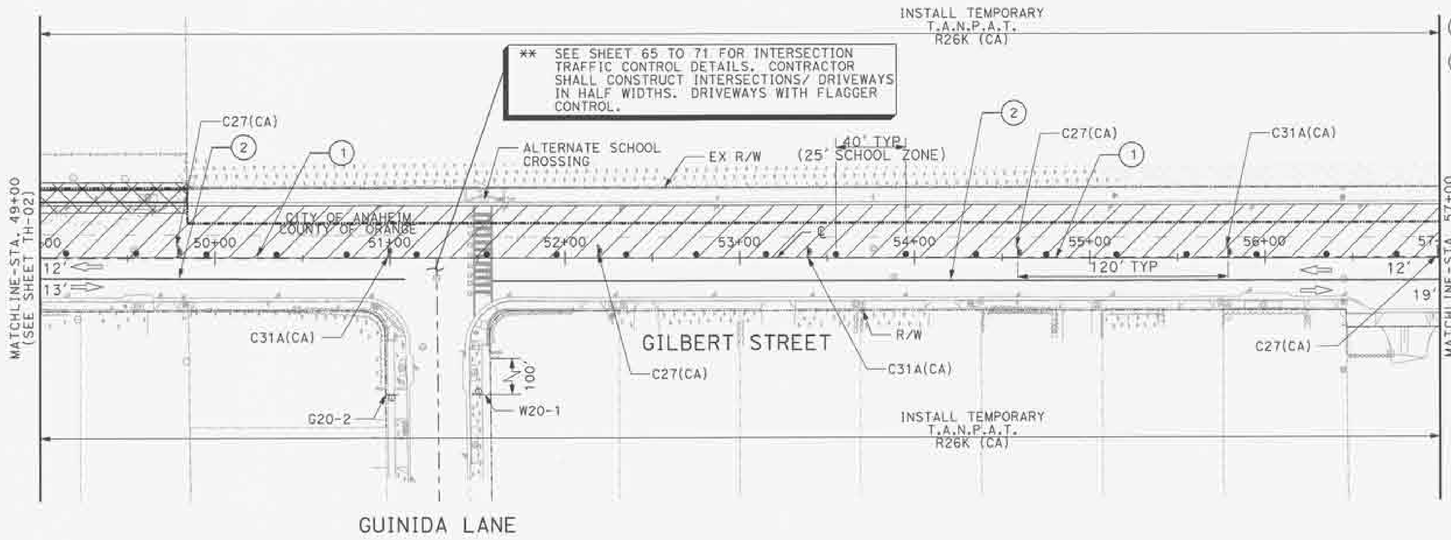
TRAFFIC HANDLING STAGE 1 AND 1A

STA 49+00 TO STA 85+00

Sheet Reference Number

TH-03

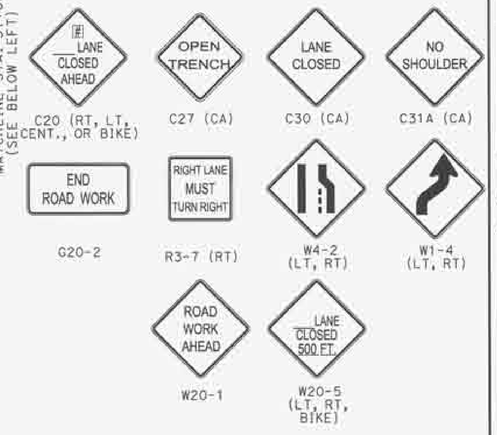
Sheet 58 of 72

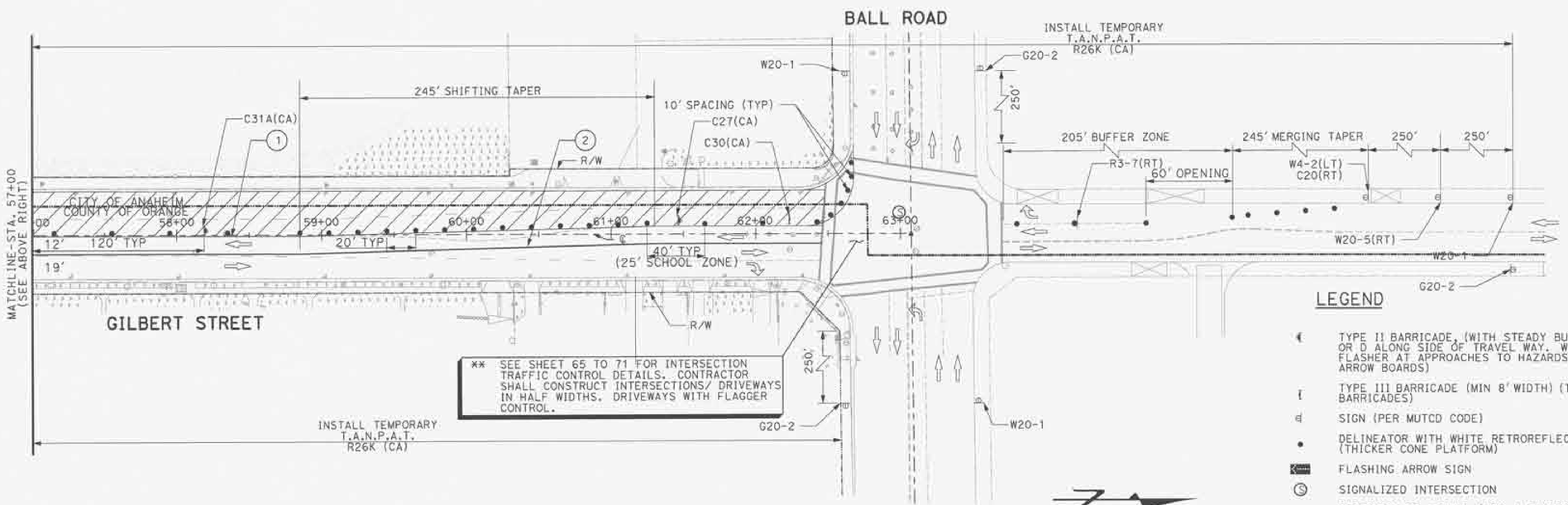


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND





LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-2373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

TRAFFIC HANDLING
STAGE 1 AND 1A
STA 49+00 TO STA 63+07

Sheet Reference Number
TH-03

Sheet 58 of 72

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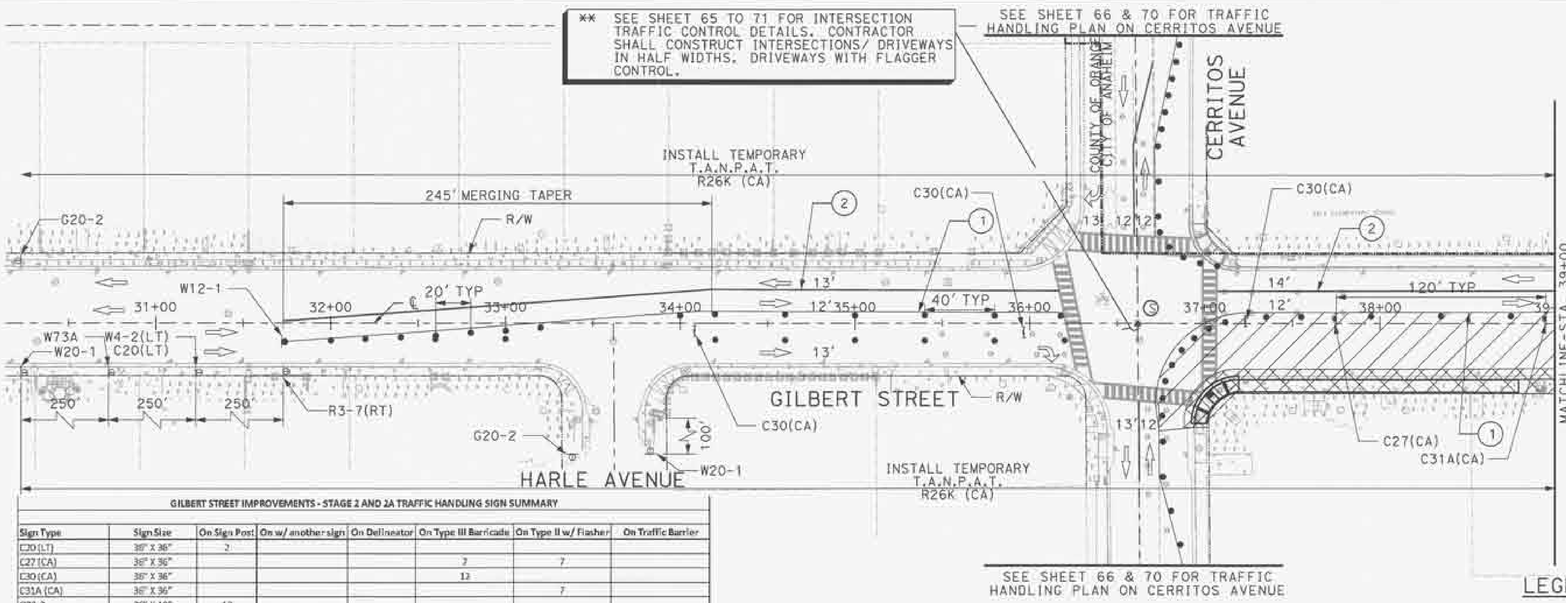
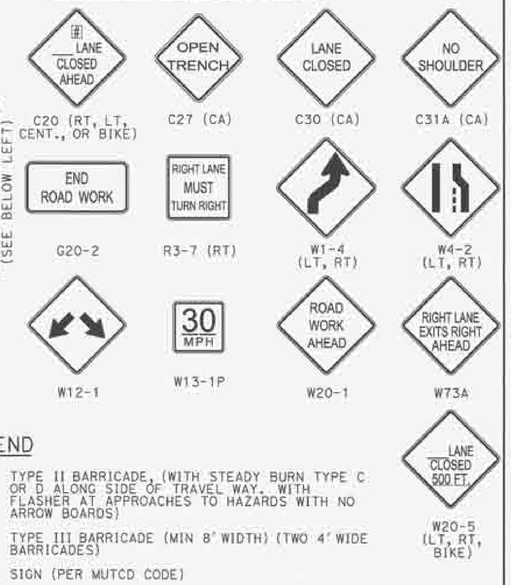


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND



GILBERT STREET IMPROVEMENTS - STAGE 2 AND 2A TRAFFIC HANDLING SIGN SUMMARY

Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C20 (LT)	36" X 36"	2					
C27 (CA)	36" X 36"				7	7	
C30 (CA)	36" X 36"				12		
C31A (CA)	36" X 36"					7	
G20-2	36" X 18"	13					
R3-1	24" X 24"				1		
R3-2	24" X 24"					1	
R3-7 (RT)	30" X 30"	2					
R4-7A	24" X 30"					2	
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		1				
R9-9	18" X 12"	6					
R9-11A (RT)	48" X 30"						3
R9-11A (LT)	48" X 30"						4
W1-4 (LT)	36" X 36"	1					
W4-2 (LT)	36" X 36"		2				
W12-1	30" X 30"			1			
W13-1 (30)	24" X 24"		2				
W20-1	36" X 36"	13					
W20-5 (RT)	36" X 36"	2					
W20-5 (LT)	36" X 36"	1					
W73 (CA) (RT)	36" X 36"	1					
W73A	36" X 36"	1					

STAGE 2

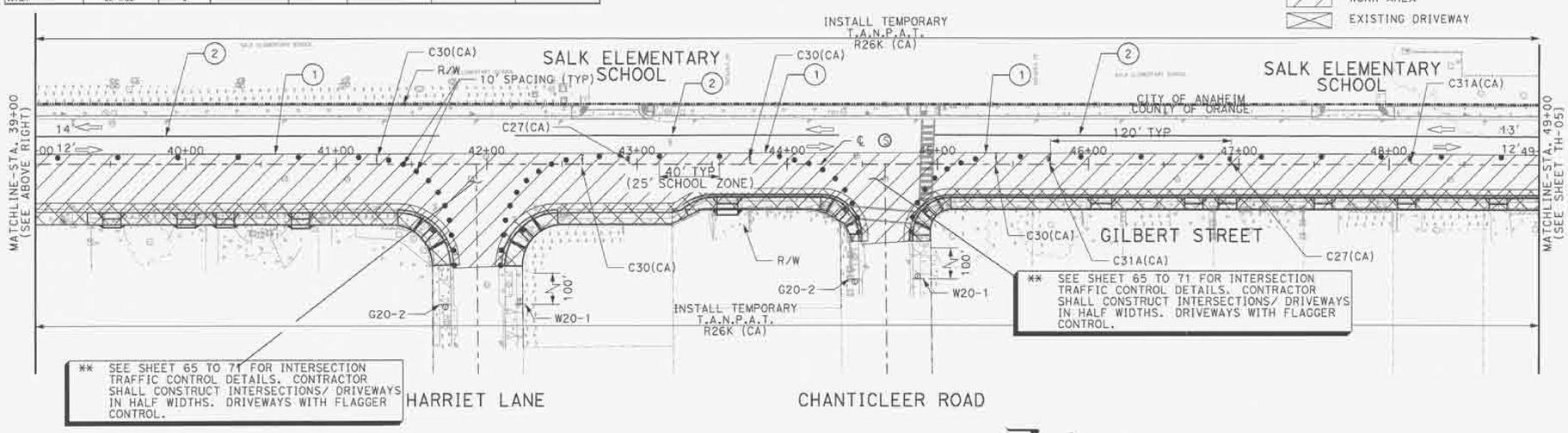
1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 2.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 2A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY



1" = 40'

40 20 0 40 80

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: AMISSA VOYIATZIS, REGISTERED PROFESSIONAL ENGINEER, No. 57118, Exp. 12/31/15, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

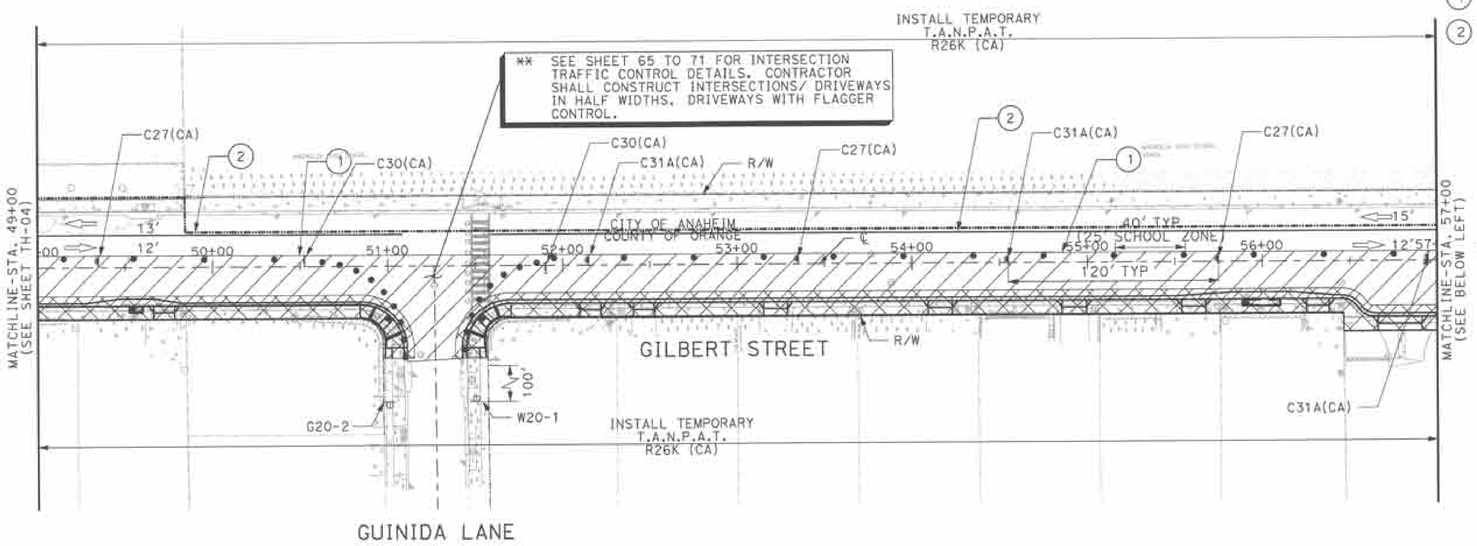
TRAFFIC HANDLING STAGE 2 AND 2A

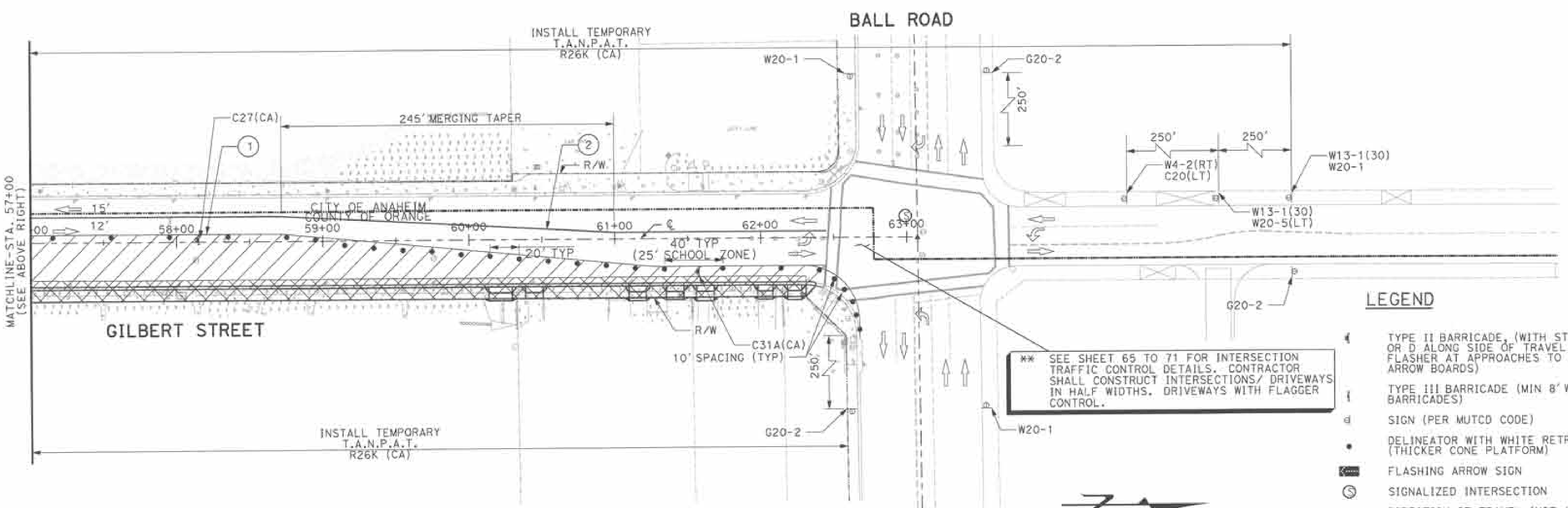
STA 30+50 TO STA 49+00

Sheet Reference Number

TH-04

M:\20RA030905\TRANSP\SHEETS\cc-road-th-04.dgn

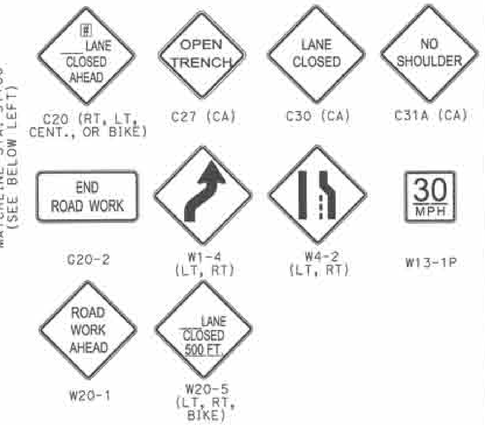




CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND



LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

1" = 40'

40 20 0 80

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ANISSA VOYIATZIS — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1131
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

TRAFFIC HANDLING
STAGE 2 & 2A

STA 49+00 TO STA 63+07

Sheet Reference Number

TH-05

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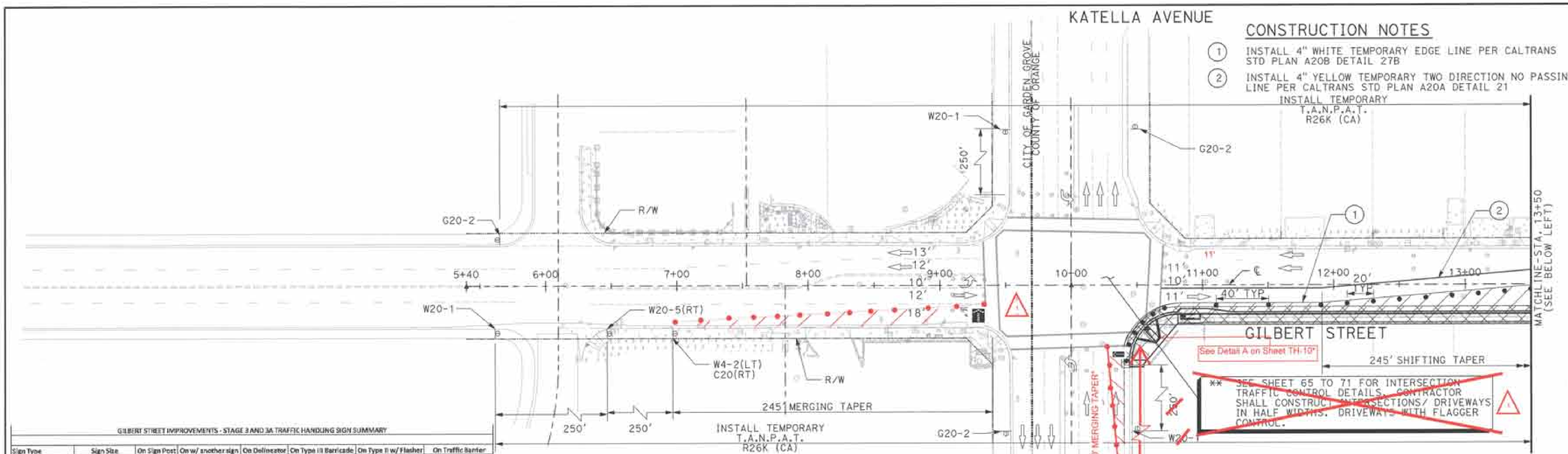


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

GILBERT STREET IMPROVEMENTS - STAGE 3 AND 3A TRAFFIC HANDLING SIGN SUMMARY

Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C20 (LT)	36" X 36"	2					
C27 (CA)	36" X 36"				1	7	
C30 (CA)	36" X 36"				8		
C31A (CA)	36" X 36"					8	
G20-2	36" X 18"	14					
R3-1	24" X 24"	1					
R3-2	24" X 24"	1					
R4-7 (RT)	30" X 30"	1				1	
R4-7A	24" X 30"					2	
R9-3A	12" X 18"		2				
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		1				
R9-9	18" X 12"	2					
R9-11A (RT)	48" X 30"						3
R9-11A (LT)	48" X 30"						1
W1-4 (LT)	36" X 36"	1					
W1-4 (RT)	36" X 36"	1					
W4-2 (LT)	36" X 36"		2				
W12-1	30" X 30"				1		
W13-1 (3k)	24" X 24"		2				
W20-1	36" X 36"	14					
W20-5 (RT)	36" X 36"	2					
W20-5 (LT)	36" X 36"	2					
W73 (CA) (RT)	36" X 36"	1					

STAGE 3

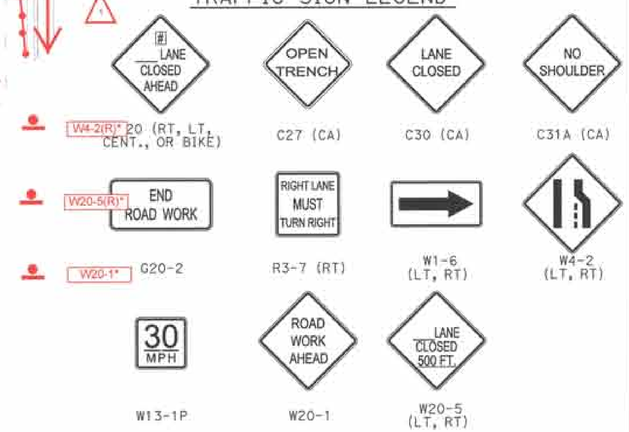
1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 3.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

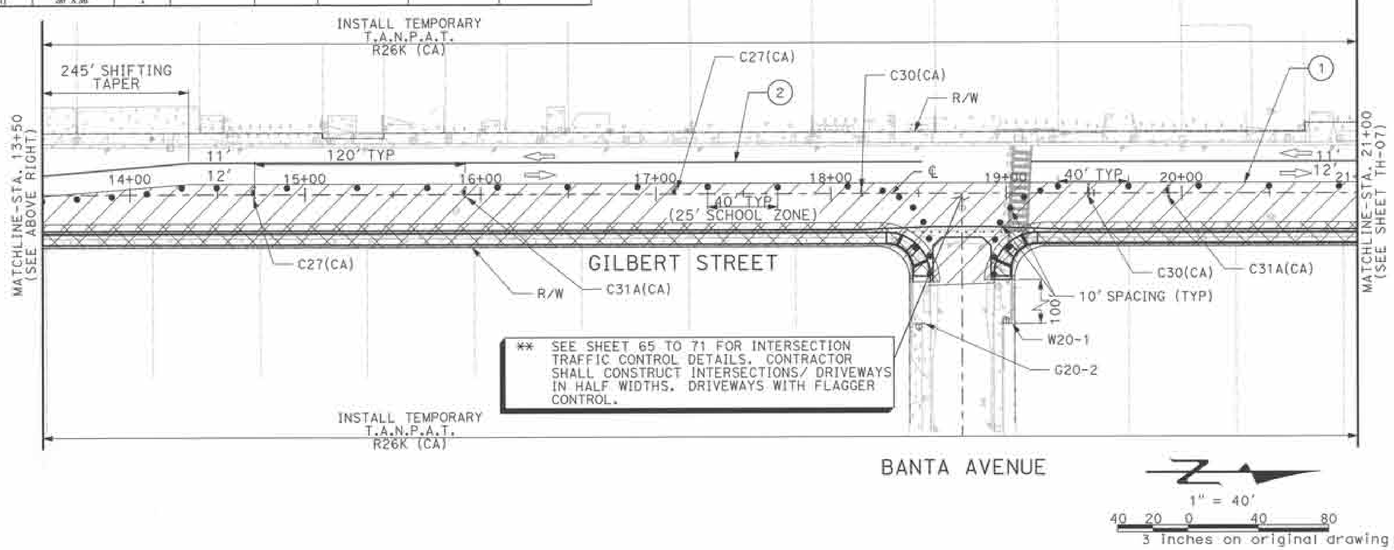
STAGE 3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

*Contractor to remove elements marked with an asterisk (*) as soon as the newly constructed NE curb ramp at Gilbert and Katella is suitable to walk on.

TRAFFIC SIGN LEGEND





LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY, WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, RCE 72210, EXP. 12/31/15, CIVIL, STATE OF CALIFORNIA, PROFESSIONAL ENGINEER — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: (04/30/2014)
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE. 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX (714) 545-8985

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 3 AND 3A

STA 5+00 TO STA 21+00

Sheet Reference Number

TH-06

Sheet 61 of 72

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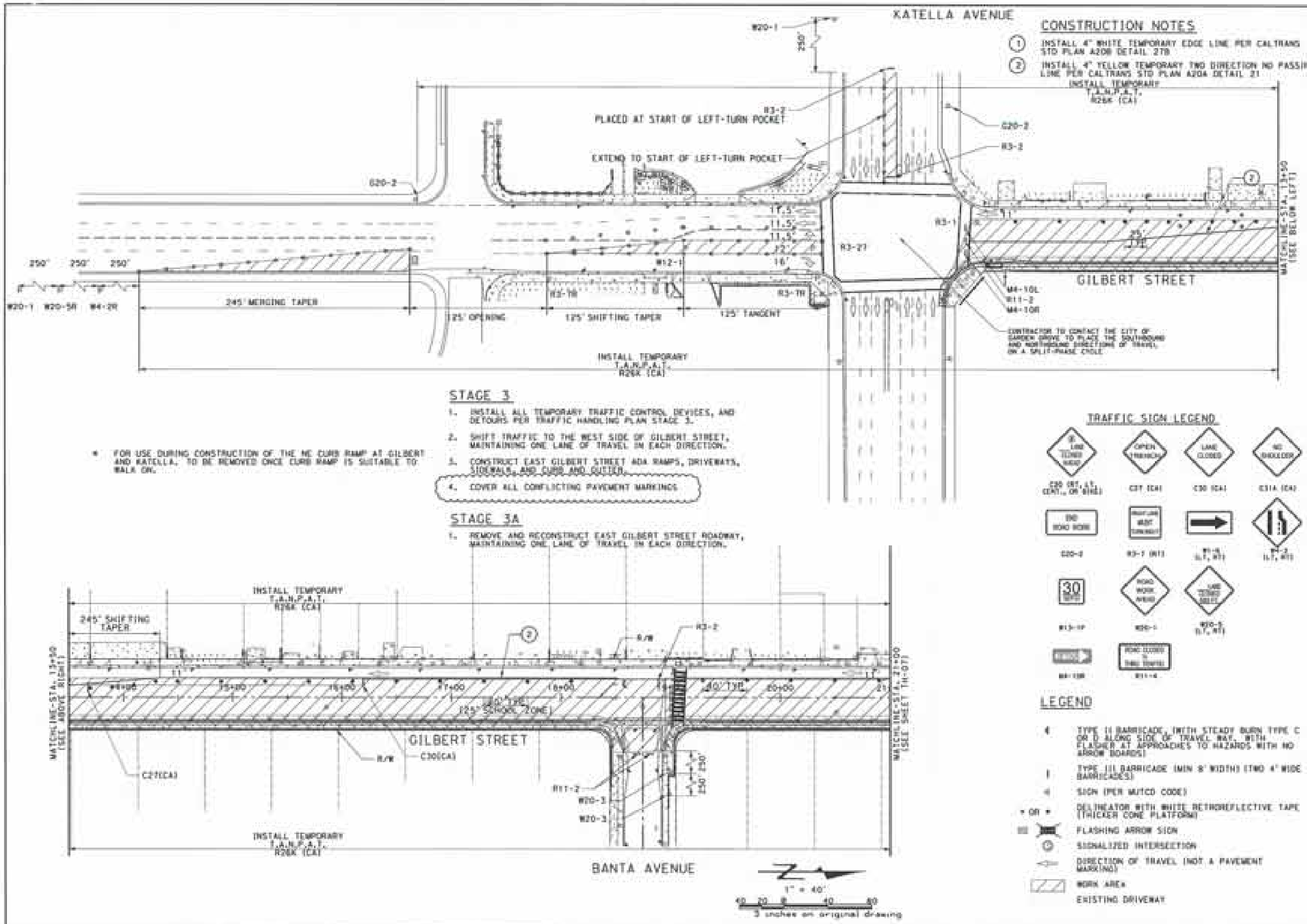


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

STAGE 3

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 3.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.
4. COVER ALL CONFLICTING PAVEMENT MARKINGS

* FOR USE DURING CONSTRUCTION OF THE NE CURB RAMP AT GILBERT AND KATELLA. TO BE REMOVED ONCE CURB RAMP IS SUITABLE TO WALK ON.

STAGE 3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

TRAFFIC SIGN LEGEND

C30 (RT, LT, CENT., OR BIKE) · C27 (CA) · C30 (CA) · C31A (CA) · C20-D · R3-1 (W1) · R1-1 (LT, W1) · R1-2 (LT, W1) · R13-1P · W20-1 · W20-7 (LT, W1) · R4-12R · R11-4

LEGEND

- TYPE II BARRICADE (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY, WITH FLAGGER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

DATE	DESCRIPTION	DESIGNED BY	CHECKED BY
	REVISED TC		
	REVISED TC		
	REVISED STRIPING, TC		
	REVISED STRIPING, TC		

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 3A

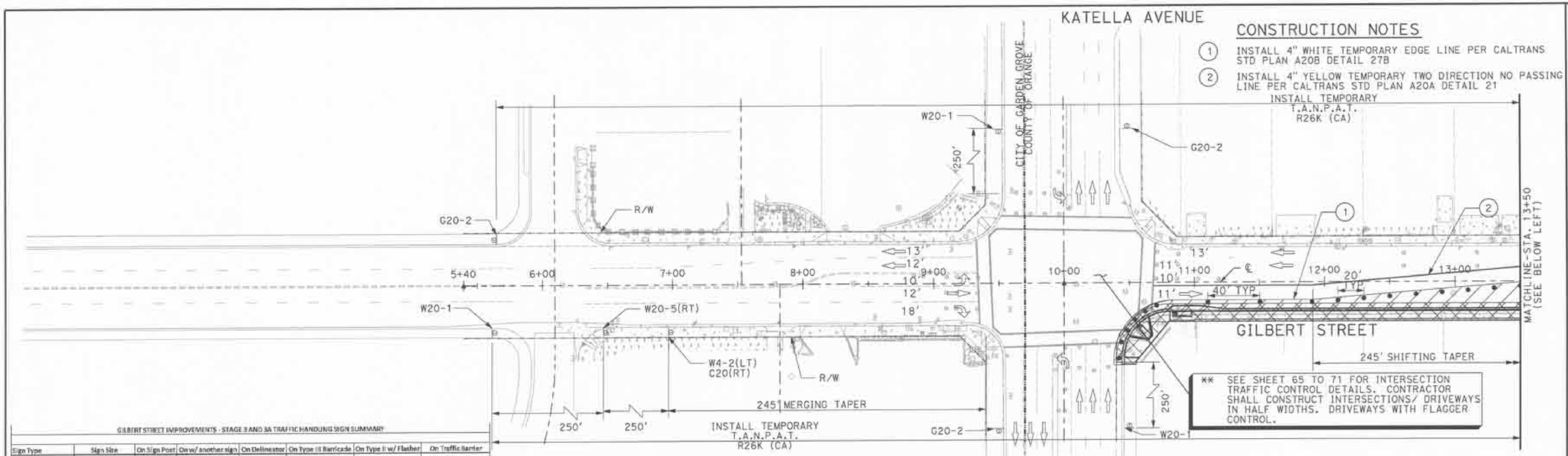
STA 9+00 TO STA 21+00

Sheet Reference Number

TH-06

CCO 7

Sheet 61 of 72



CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

GILBERT STREET IMPROVEMENTS - STAGE 3 AND 3A TRAFFIC HANDLING SIGN SUMMARY

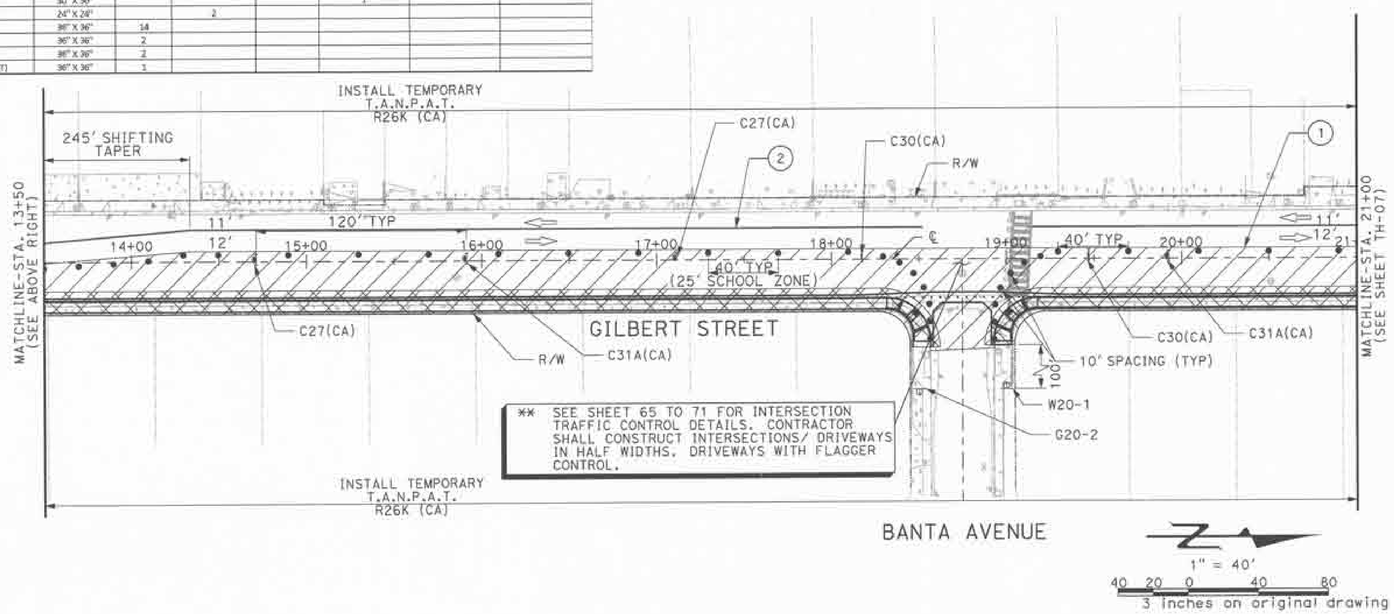
Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C20 (LT)	36" X 36"	2					
C27 (CA)	36" X 36"				1	7	
C30 (CA)	36" X 36"				8		
C31A (CA)	36" X 36"					8	
G20-2	36" X 18"	14					
R3-1	24" X 24"	1					
R3-7	24" X 24"	1					
R4-7 (RT)	30" X 30"	1				1	
R4-7A	24" X 30"					2	
R9-3A	12" X 18"		2				
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		1				
R9-9	18" X 12"	2					
R9-11A (RT)	48" X 30"						1
R9-11A (LT)	48" X 30"						1
W1-4 (LT)	36" X 36"	1					
W1-4 (RT)	36" X 36"	1					
W4-2 (LT)	36" X 36"		2				
W12-1	30" X 30"				1		
W13-1 (3X)	24" X 24"		2				
W20-1	36" X 36"	14					
W20-5 (RT)	36" X 36"	2					
W20-5 (LT)	36" X 36"	2					
W73 (CA) (RT)	36" X 36"	1					

STAGE 3

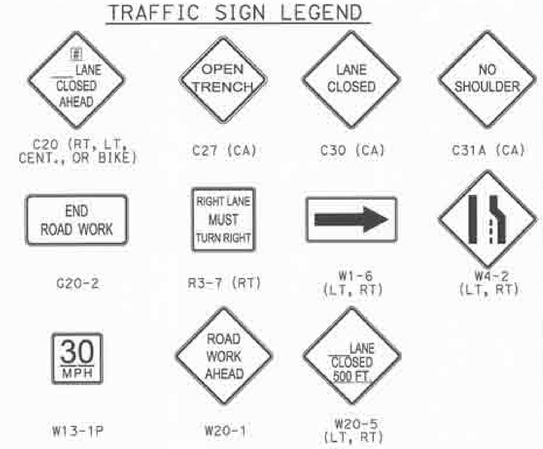
1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 3.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.



TRAFFIC SIGN LEGEND



LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 3 AND 3A

STA 5+00 TO STA 21+00

Sheet Reference Number

TH-06

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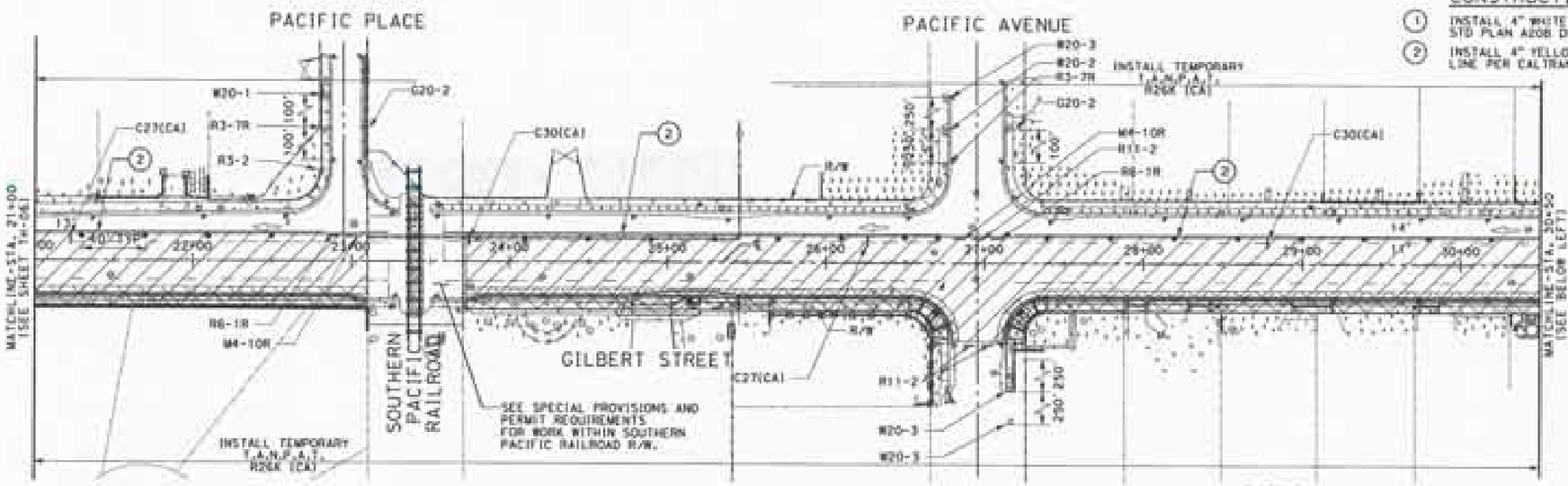


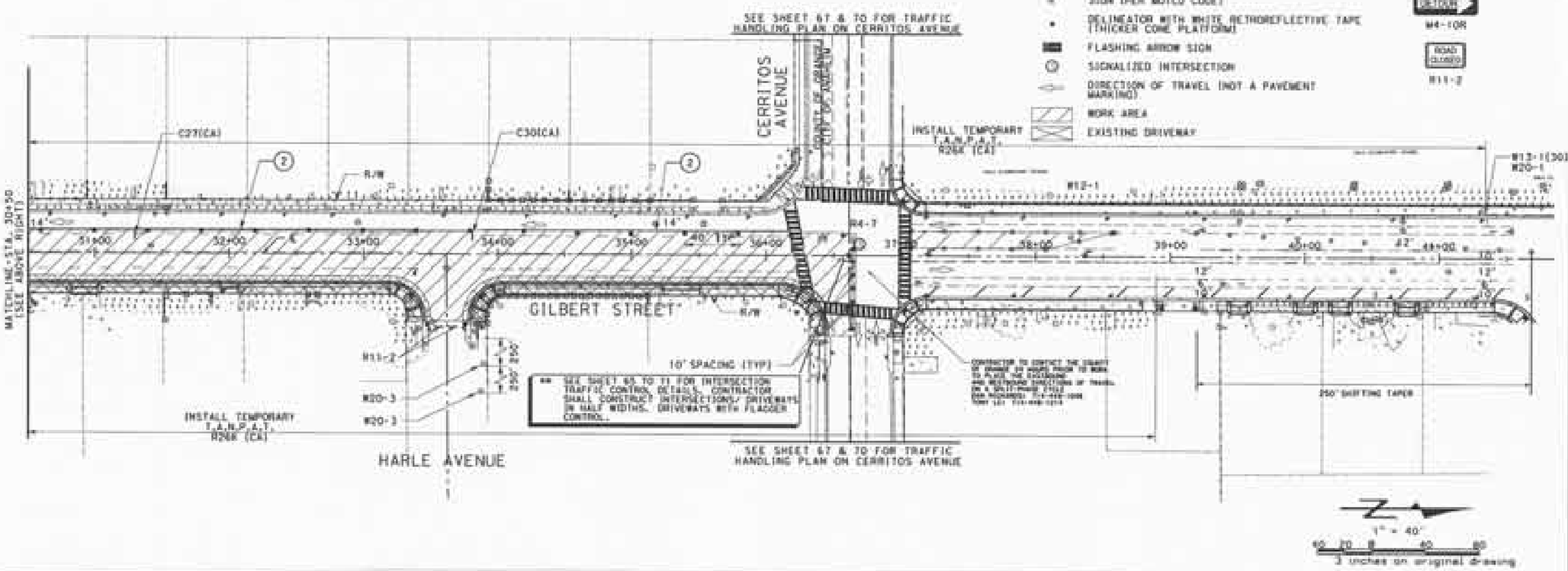
CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND

LEGEND

- TYPE II BARRICADE (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY, WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCO CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY



COUNTY OF ORANGE CALIFORNIA

REVISED BY	DATE	REVISION DESCRIPTION
R.A.	10/17/19	
R.A.	10/17/19	

PREPARED UNDER THE RESPONSIBILITY OF (CHARGE OF)

DESIGNED BY: T. WILLIAMS
DRAWN BY: J. WILLIAMS
CHECKED BY: T. WILLIAMS
DRAWING CODE: 1
FILE NAME:
PLOT DATE: 10/17/2019
PLOT TIME: 10:19:50

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 MACARTHUR PLACE, SUITE 1100, SANTA ANA, CA 92707
TEL: (714) 592-1313
FAX: (714) 545-8822

GILBERT STREET IMPROVEMENTS From PACIFIC AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 3A

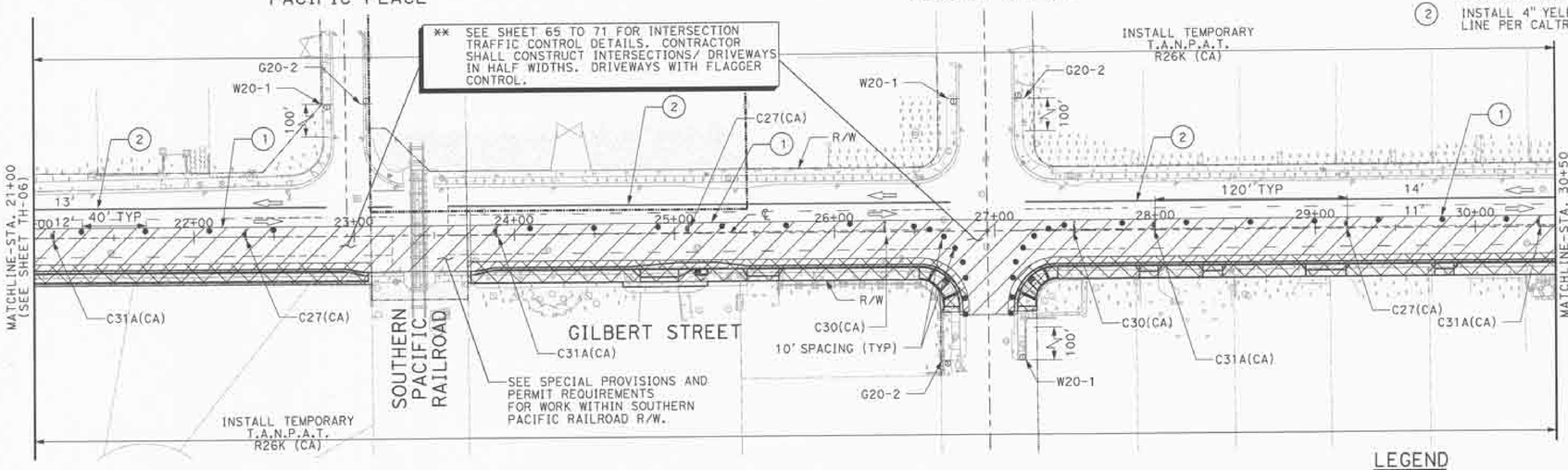
STA. 21+00 TO STA. 38+00

Sheet Reference Number

TH-07

60 7

Sheet 62 of 72



CONSTRUCTION NOTES

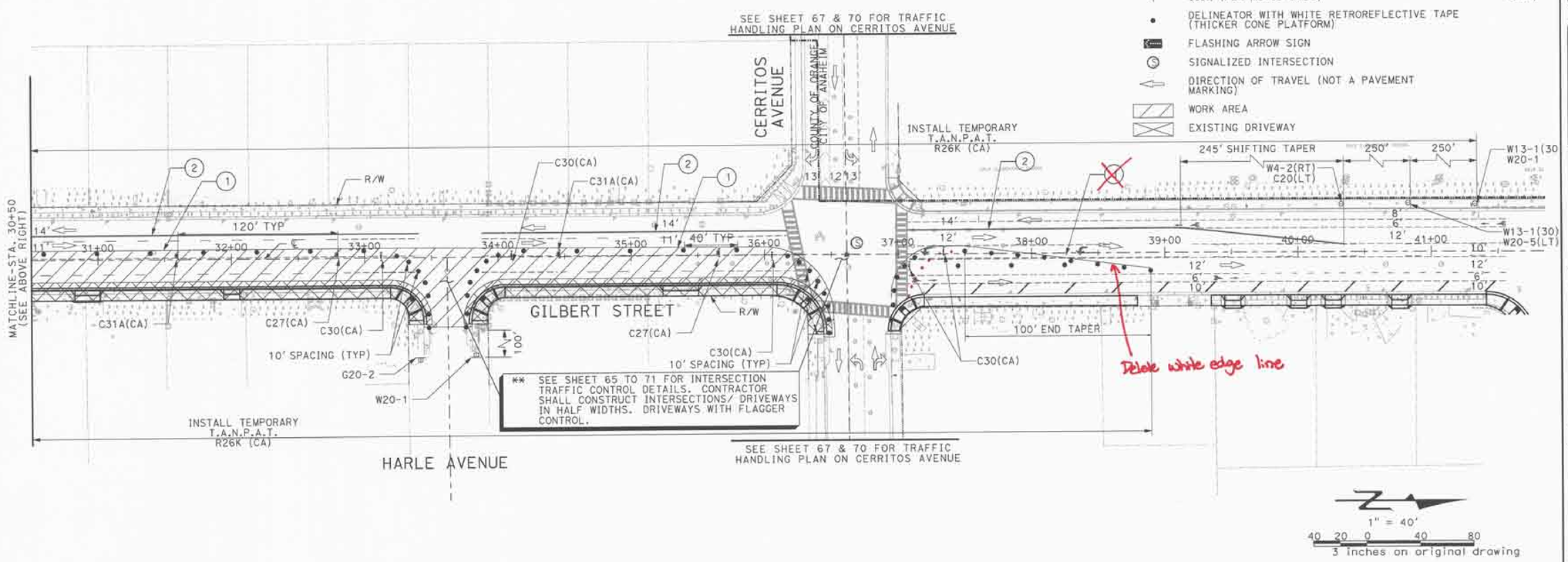
1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND

LANE CLOSED AHEAD — C20 (RT, LT, CENT., OR BIKE)	OPEN TRENCH — C27 (CA)	LANE CLOSED — C30 (CA)
NO SHOULDER — C31A (CA)	END ROAD WORK — G20-2	W4-2 (LT, RT)
W1-4 (LT, RT)	30 MPH — W13-1P	ROAD WORK AHEAD — W20-1
		LANE CLOSED 500 FT. — W20-5 (LT, RT, BIKE)

LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY



COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS, 3 HUTTON CENTRE DRIVE, STE 200, SANTA ANA, CA 92707, TEL: (714) 751-7373, FAX: (714) 545-1883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 3 AND 3A

STA 21+00 TO STA 39+00

Sheet Reference Number: TH-07

Sheet 62 of 72

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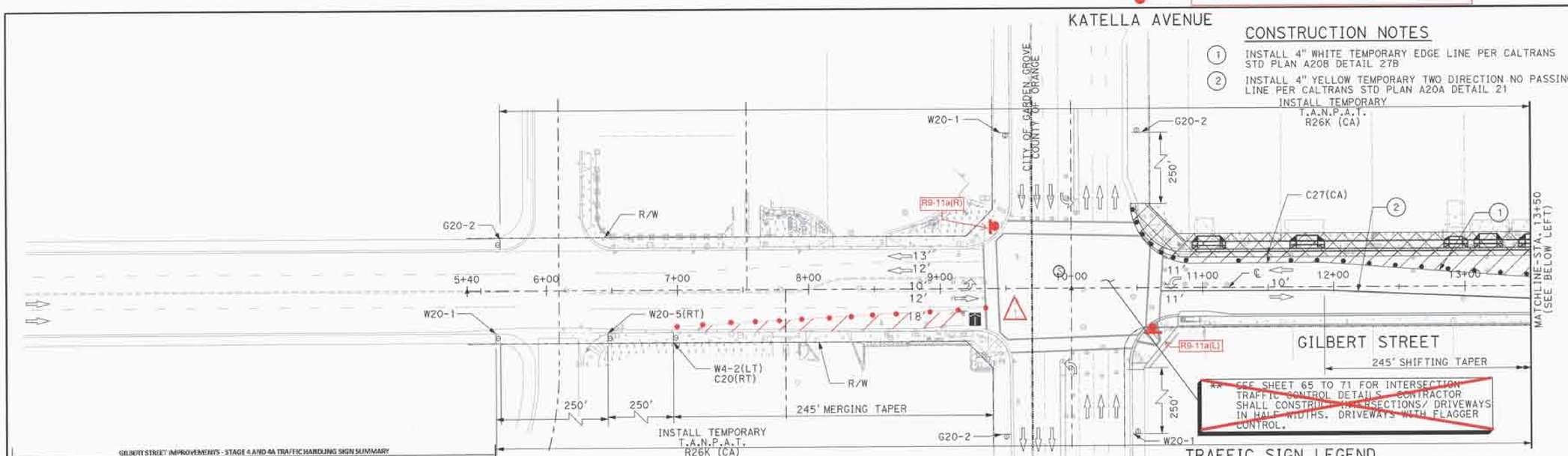


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

GILBERT STREET IMPROVEMENTS - STAGE 4 AND 4A TRAFFIC HANDLING SIGN SUMMARY

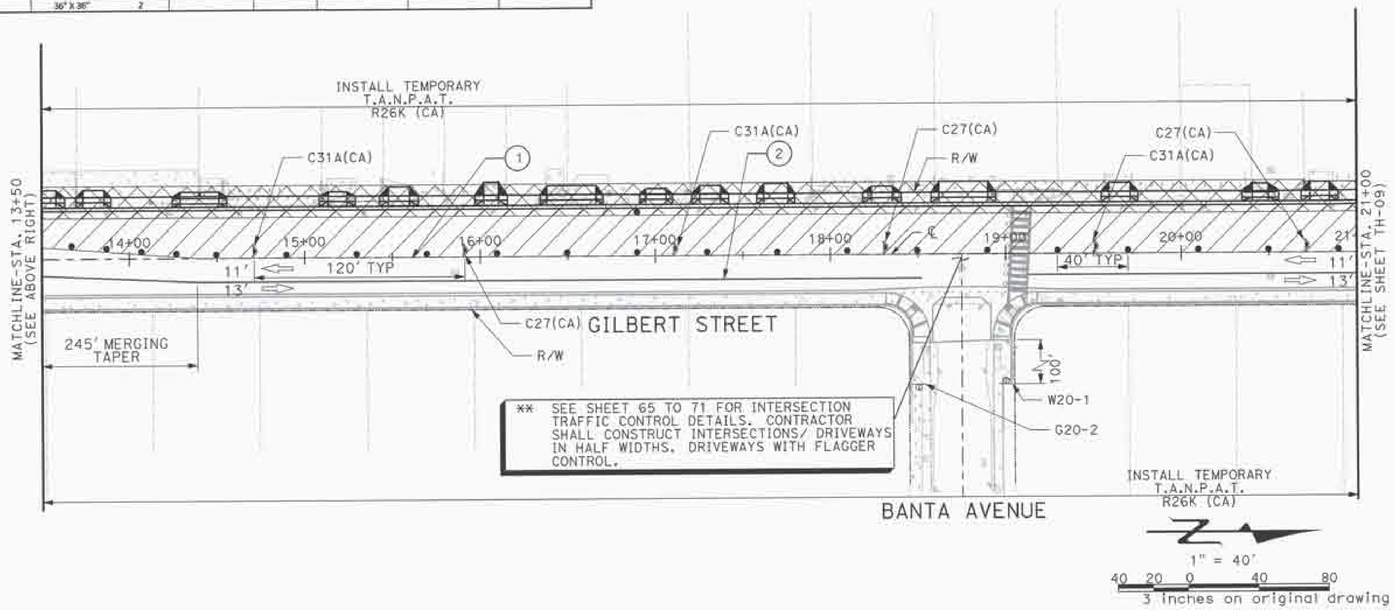
Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C20 (LT)	36" X 36"	4					
C27 (CA)	36" X 36"					11	
C30 (CA)	36" X 36"				11		
C31A (CA)	36" X 36"					8	
G20-2	36" X 18"	13					
R4-7A	24" X 30"					2	
R9-3A	12" X 18"		2				
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		1				
R9-9	18" X 12"	2					
R9-11A (RT)	48" X 30"						1
R9-11A (LT)	48" X 30"						1
W1-4 (LT)	36" X 36"	1					
W1-4 (RT)	36" X 36"	1					
W4-2 (LT)	36" X 36"	1	2				
W20-1	36" X 36"	13					
W20-5 (RT)	36" X 36"	2					
W20-5 (LT)	36" X 36"	2					

STAGE 4

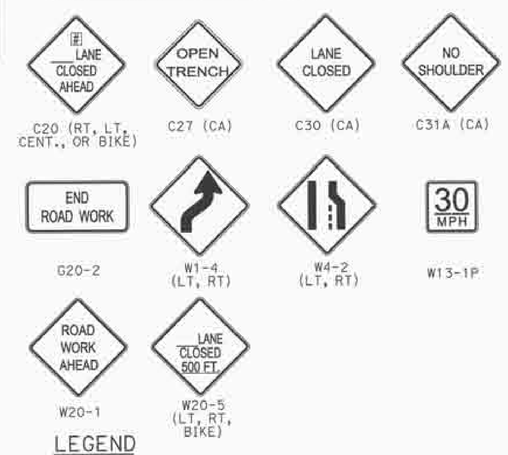
1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 4.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 4A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.



TRAFFIC SIGN LEGEND



LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES, REGISTERED PROFESSIONAL ENGINEER, No. 52210, Exp. 12/31/15, STATE OF CALIFORNIA — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 4 AND 4A

STA 5+00 TO STA 21+00

Sheet Reference Number

TH-08

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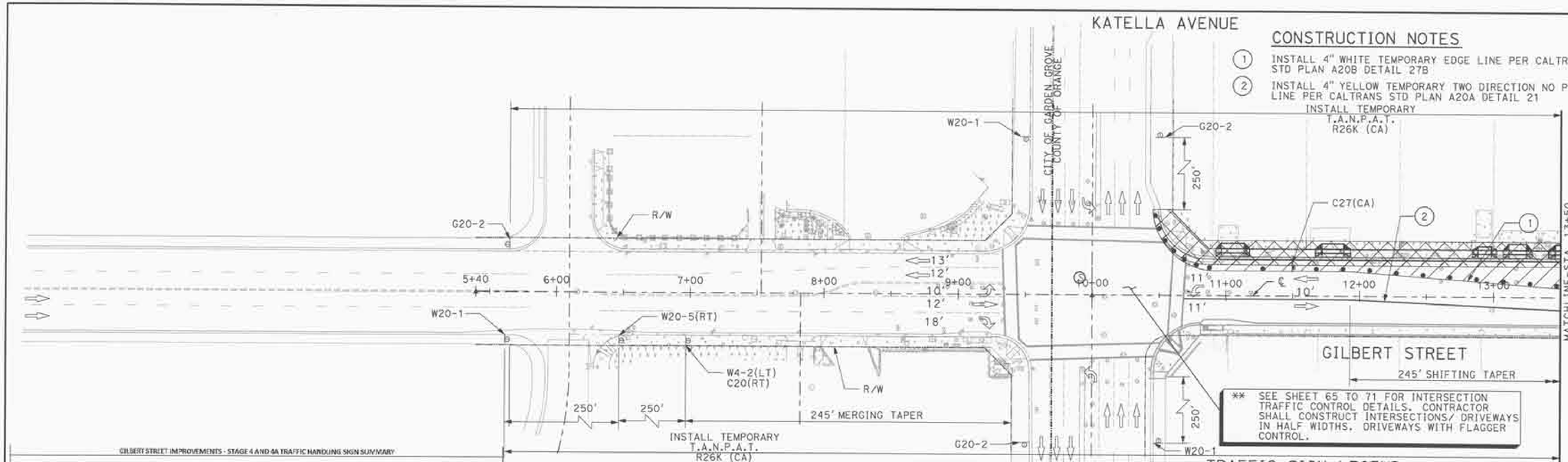


CONSTRUCTION NOTES

1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

GILBERT STREET IMPROVEMENTS - STAGE 4 AND 4A TRAFFIC HANDLING SIGN SUMMARY

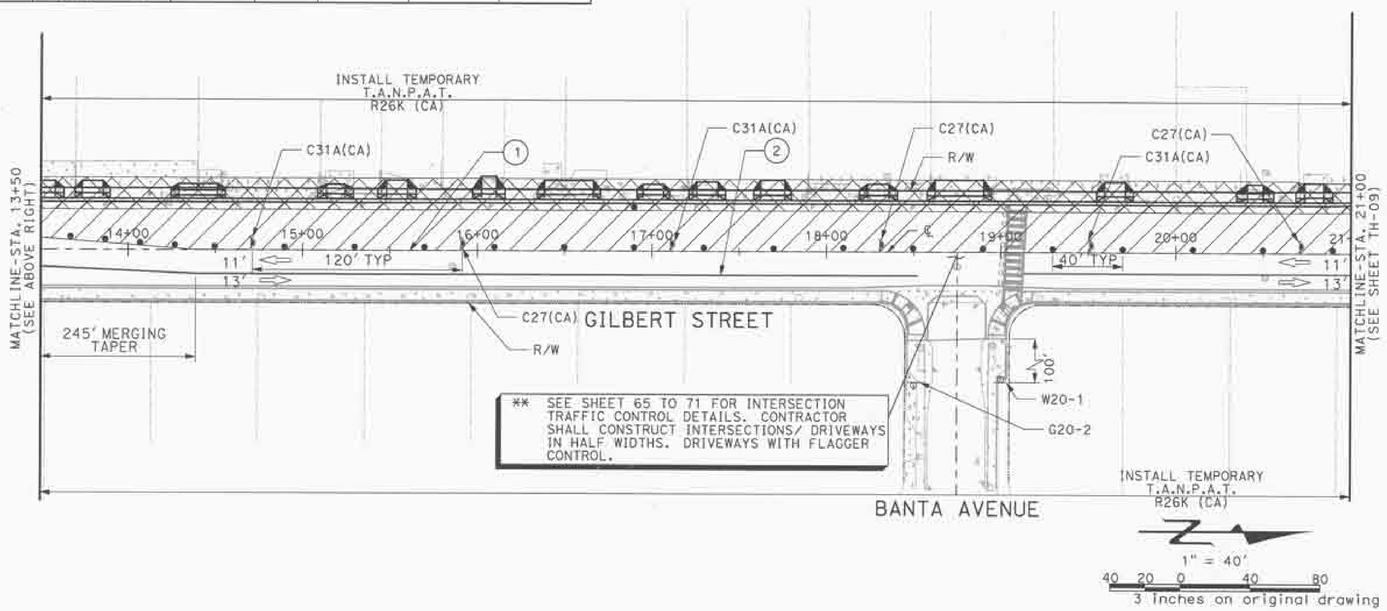
Sign Type	Sign Size	On Sign Post	On w/ another sign	On Delineator	On Type III Barricade	On Type II w/ Flasher	On Traffic Barrier
C20 (LT)	36" X 36"	4					
C27 (CA)	36" X 36"					11	
C30 (CA)	36" X 36"				11		
C31A (CA)	36" X 36"					8	
G20-2	36" X 18"	13					
R4-7A	24" X 30"					2	
R9-3A	12" X 18"		2				
R9-3B (RT)	18" X 12"		1				
R9-3B (LT)	18" X 12"		1				
R9-9	18" X 12"	2					
R9-11A (RT)	48" X 30"						1
R9-11A (LT)	48" X 30"						1
W1-4 (LT)	36" X 36"	1					
W1-4 (RT)	36" X 36"	1					
W4-2 (LT)	36" X 36"	1	2				
W20-1	36" X 36"	13					
W20-5 (RT)	36" X 36"	2					
W20-5 (LT)	36" X 36"	2					

STAGE 4

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS PER TRAFFIC HANDLING PLAN STAGE 4.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 4A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.



TRAFFIC SIGN LEGEND

LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN. 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: Y. HELLENS
DRAWN BY: Y. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 545-1773
FAX: (714) 545-8882

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 4 AND 4A
STA 5+00 TO STA 21+00

Sheet Reference Number
TH-08

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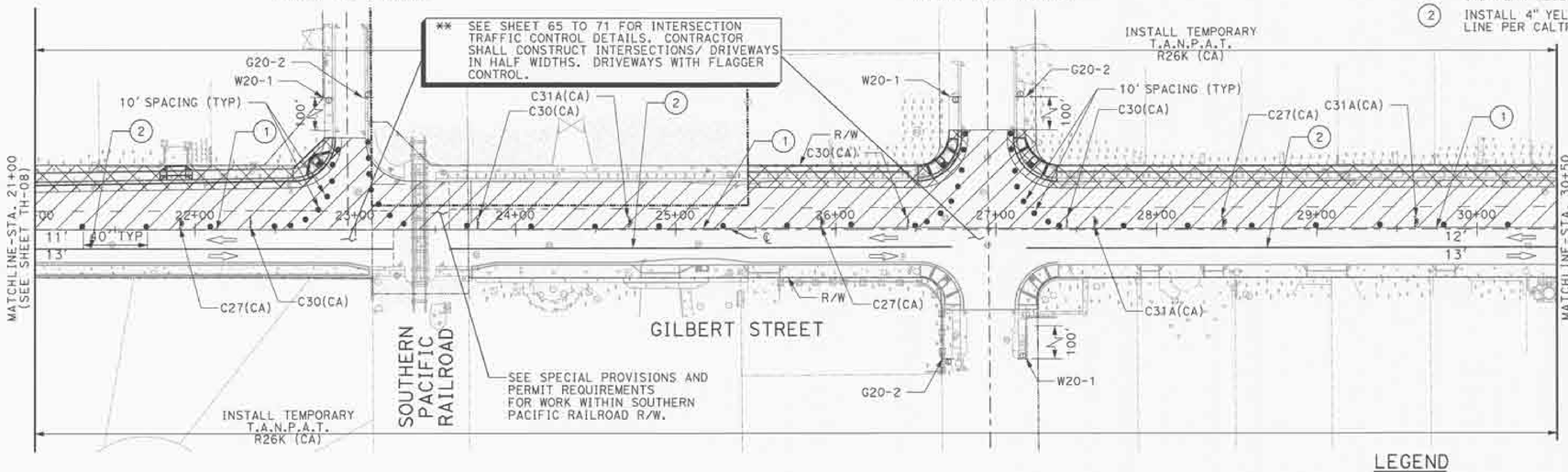


CONSTRUCTION NOTES

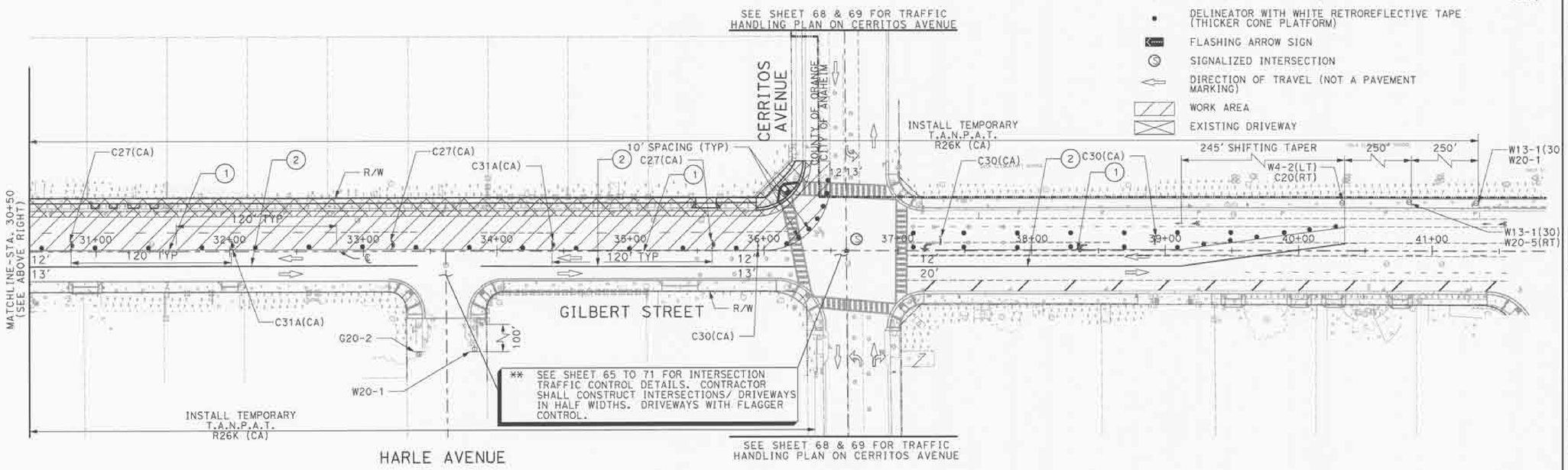
1. INSTALL 4" WHITE TEMPORARY EDGE LINE PER CALTRANS STD PLAN A20B DETAIL 27B
2. INSTALL 4" YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21

TRAFFIC SIGN LEGEND

LANE CLOSED AHEAD	OPEN TRENCH	LANE CLOSED
C20 (RT, LT, CENT., OR BIKE)	C27 (CA)	C30 (CA)
NO SHOULDER	END ROAD WORK	
C31A (CA)	G20-2	W4-2 (LT, RT)
W1-4 (LT, RT)	30 MPH W13-1P	ROAD WORK AHEAD W20-1
		LANE CLOSED 500 FT. W20-5 (LT, RT, BIKE)

LEGEND

- TYPE II BARRICADE, (WITH STEADY BURN TYPE C OR D ALONG SIDE OF TRAVEL WAY. WITH FLASHER AT APPROACHES TO HAZARDS WITH NO ARROW BOARDS)
- TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- SIGN (PER MUTCD CODE)
- DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- FLASHING ARROW SIGN
- SIGNALIZED INTERSECTION
- DIRECTION OF TRAVEL (NOT A PAVEMENT MARKING)
- WORK AREA
- EXISTING DRIVEWAY



1" = 40'

40 20 0 40 80

3 inches on original drawing

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: ANISSA VOYIATZIS DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZIS
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD

TRAFFIC HANDLING STAGE 4 AND 4A
STA 21+00 TO STA 39+00

Sheet Reference Number
TH-09

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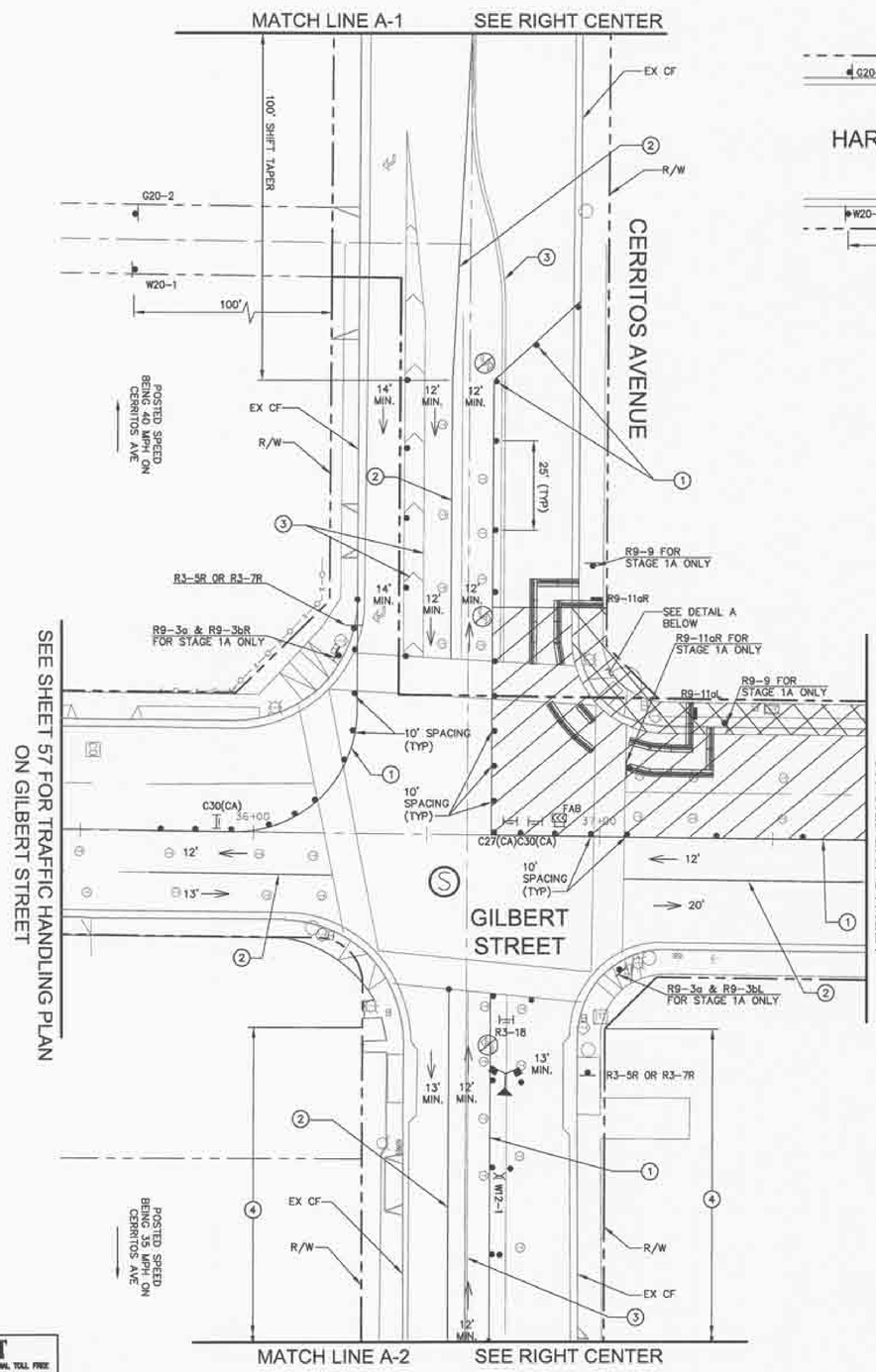
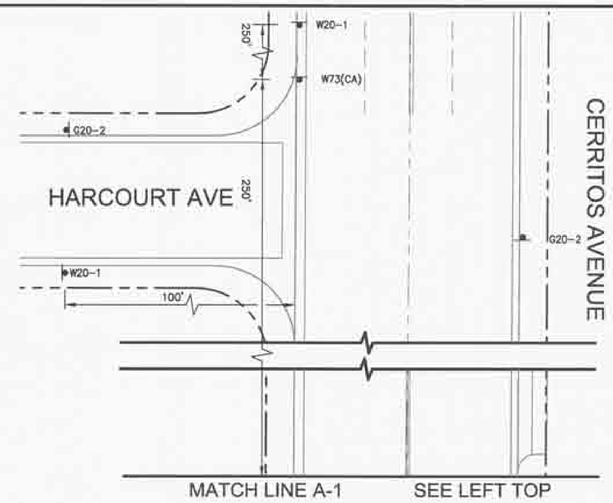
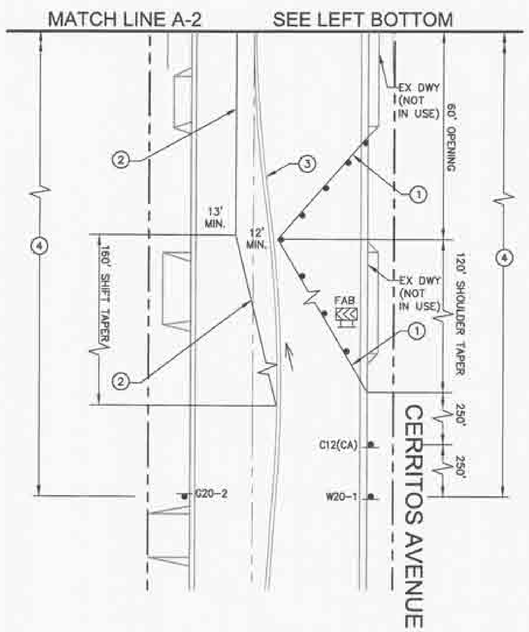


SEE SHEET 57 FOR TRAFFIC HANDLING PLAN ON GILBERT STREET





SEE SHEET 57 FOR TRAFFIC HANDLING PLAN ON GILBERT STREET

CONSTRUCTION NOTES

1. PAINT 4-INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4-INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 1

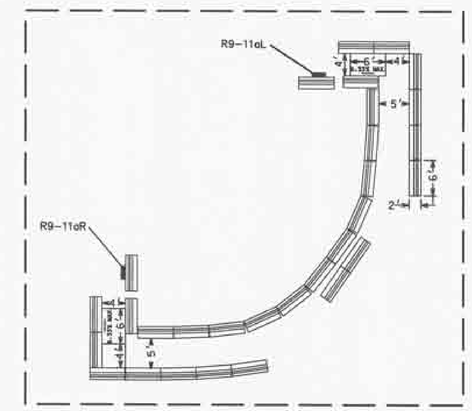
1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 1A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLAG TREE
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : 72"X24"X42" WATER-FILLABLE TRAFFIC BARRIER
- : SIGN (PER 2012 CA MUTCD)
- : COVER EXISTING PAVEMENT MARKING



NOT TO SCALE

DETAIL A

TEMPORARY PEDESTRIAN TRAFFIC CONTROL AT CURB RAMP (TYPICAL)

(NOTE: SEE SPECIAL PROVISIONS FOR PROPOSED SURFACE MATERIAL TO ACCOMMODATE DRAINAGE)

TRAFFIC SIGN LEGEND

C12(CA)	C27(CA)	C30(CA)	G20-2	W12-1	W20-1	W73(CA)
NARROW LANE	OPEN TRENCH	LANE CLOSED	END ROAD WORK		ROAD WORK AHEAD	RIGHT LANE EXITS AHEAD

R3-5(R)	R3-7(R)	R3-18	R9-3a	R9-3b(R)(L)	R9-9	R9-11a(R)(L)
ONLY	RIGHT LANE MUST TURN RIGHT			USE CROSSWALK	SIDEWALK CLOSED	SIDEWALK CLOSED CROSS HERE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
REGISTERED PROFESSIONAL ENGINEER RANDALL G. BERRY NO. C44642 CIVIL STATE OF CALIFORNIA
RANDALL G. BERRY — DATE 5/2/14

DESIGNED BY: G. SOLSONA
DRAWN BY: C. BROWN
CHECKED BY: R. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1" NOT

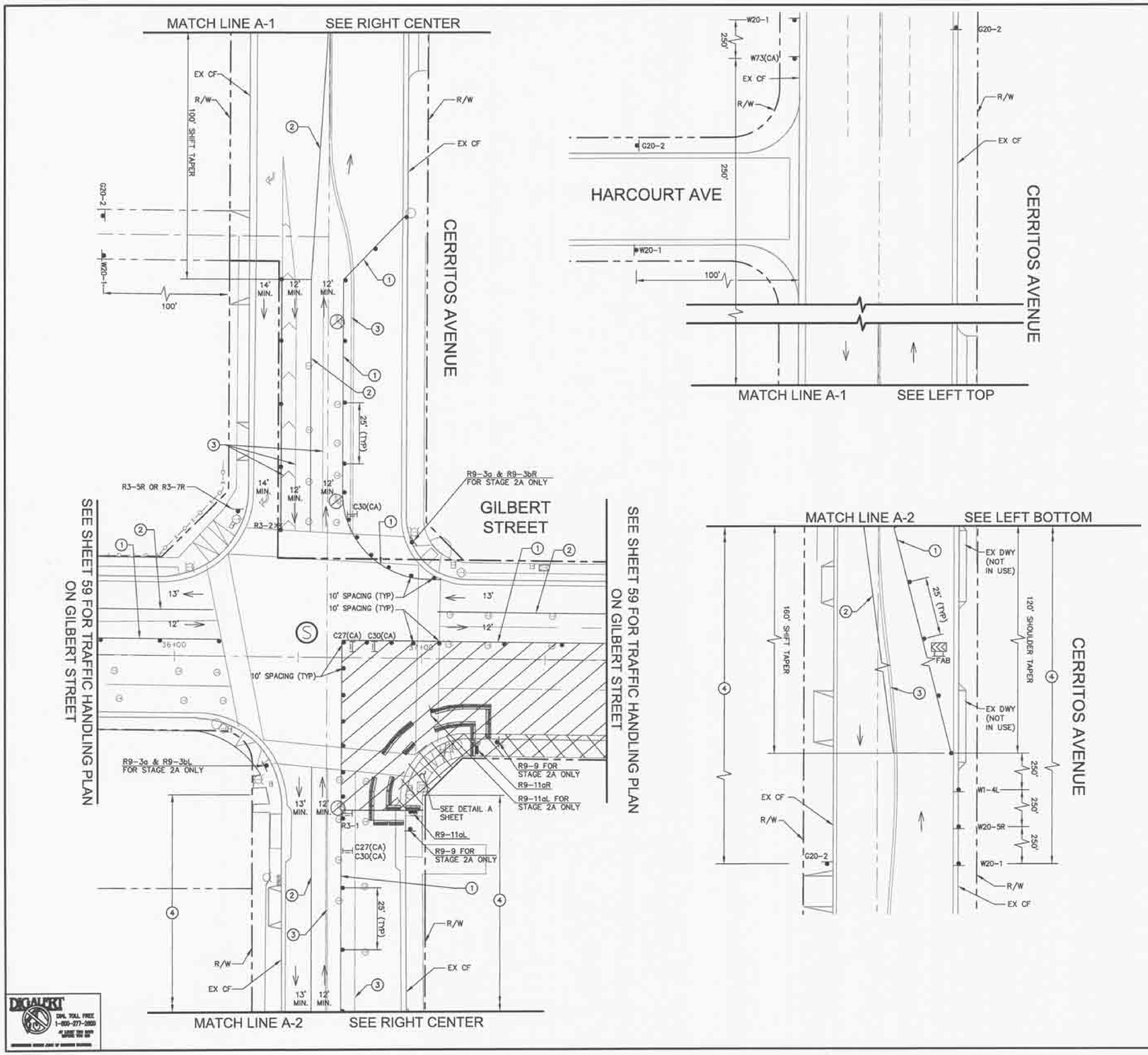
ORANGE COUNTY OC PUBLIC WORKS
PREPARED BY: Harris & Associates.

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD
INTERSECTION TRAFFIC HANDLING PLANS
STAGE 1 • STAGE 1A
GILBERT STREET AT CERRITOS AVENUE

Sheet Reference Number
TH-10

DIGALERT CALL TOLL FREE 1-800-227-2600

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilbert-STAGE1.dwg



CONSTRUCTION NOTES

1. PAINT 4-INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4 INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 2

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 2A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- (S) : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : 72"X24"X42" WATER-FILLABLE TRAFFIC BARRIER
- : SIGN (PER 2012 CA MUTCD)
- : COVER EXISTING PAVEMENT MARKING

TRAFFIC SIGN LEGEND

OPEN TRENCH C27(CA)	LANE CLOSED C30(CA)	END ROAD WORK G20-2	W1-4(L)	ROAD WORK AHEAD W20-1
RIGHT LANE CLOSED AHEAD W20-5(R)	RIGHT LANE EXITS AHEAD W73(CA)	R3-1	R3-2	ONLY R3-5(R)
RIGHT LANE MUST TURN RIGHT R3-7(R)	R9-3a	USE CROSSWALK R9-3b(R)(L)	SIDEWALK CLOSED R9-9	SIDEWALK CLOSED CROSS HERE R9-11a(R)(L)

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE SUPERVISION OF: RANDALL G. BERRY — DATE 5/2/14

REGISTERED PROFESSIONAL ENGINEER — RANDALL G. BERRY — NO. C44642 — CIVIL — STATE OF CALIFORNIA

DESIGNED BY: G. SOLSONA
DRAWN BY: E. BRIGNAC
CHECKED BY: R. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: Harris & Associates

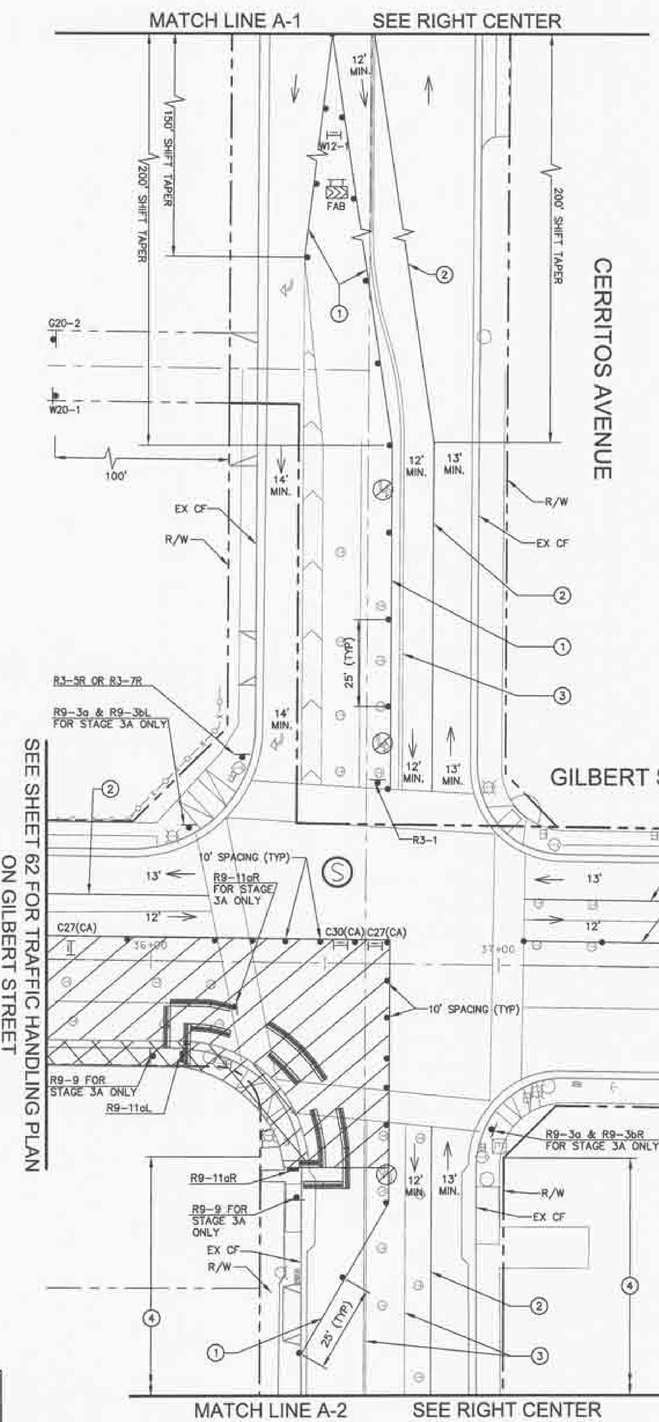
GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD
INTERSECTION TRAFFIC HANDLING PLANS
STAGE 2, 2A
GILBERT STREET AT CERRITOS AVENUE

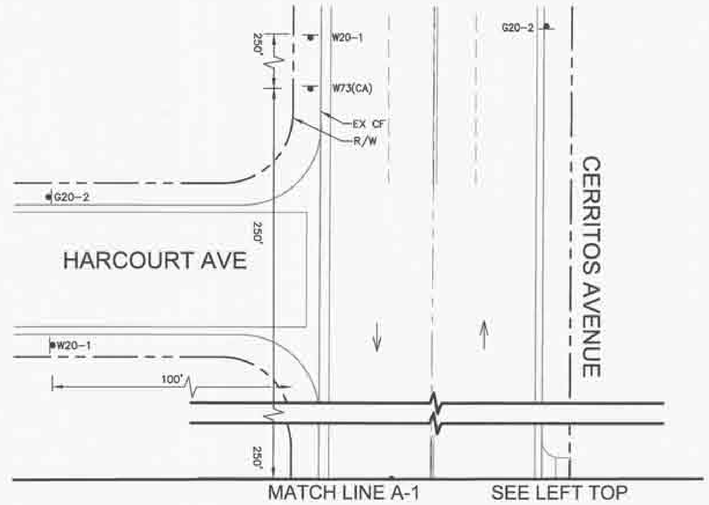
Sheet Reference Number
TH-11

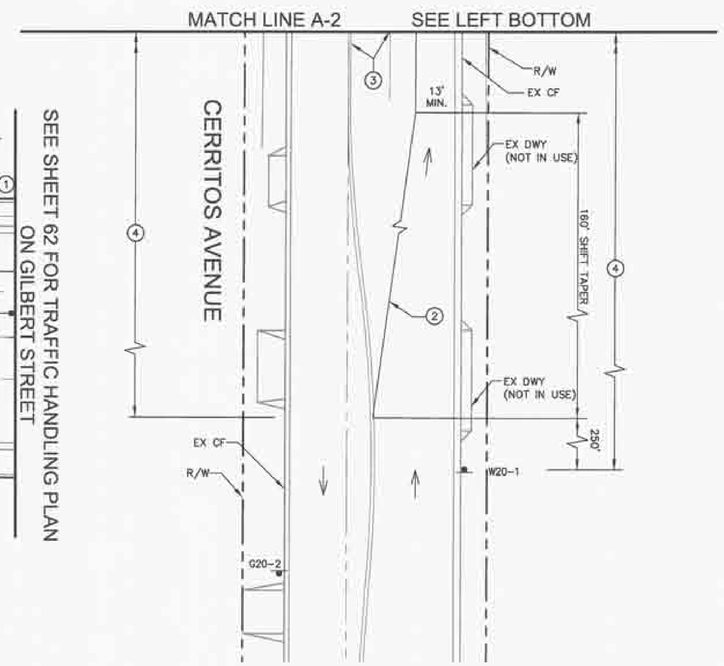
Sheet 66 of 72

DIGALERT — CALL TOLL FREE 1-800-227-2600 AT LEAST TWO DAYS BEFORE YOU DIG

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilbcerr-STAGE2.dwg







CONSTRUCTION NOTES

1. PAINT 4-INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4-INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 3

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : 72"X24"X42" WATER-FILLABLE TRAFFIC BARRIER
- : SIGN (PER 2012 CA MUTCD)
- : COVER EXISTING PAVEMENT MARKING

TRAFFIC SIGN LEGEND

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
REGISTERED PROFESSIONAL ENGINEER RANDALL C. BERRY NO. C46542 CIVIL STATE OF CALIFORNIA
5/2/14
RANDALL C. BERRY

DESIGNED BY: G. SOLSONA
DRAWN BY: E. BROWN
CHECKED BY: R. BERRY
DRAWING ISSUED
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

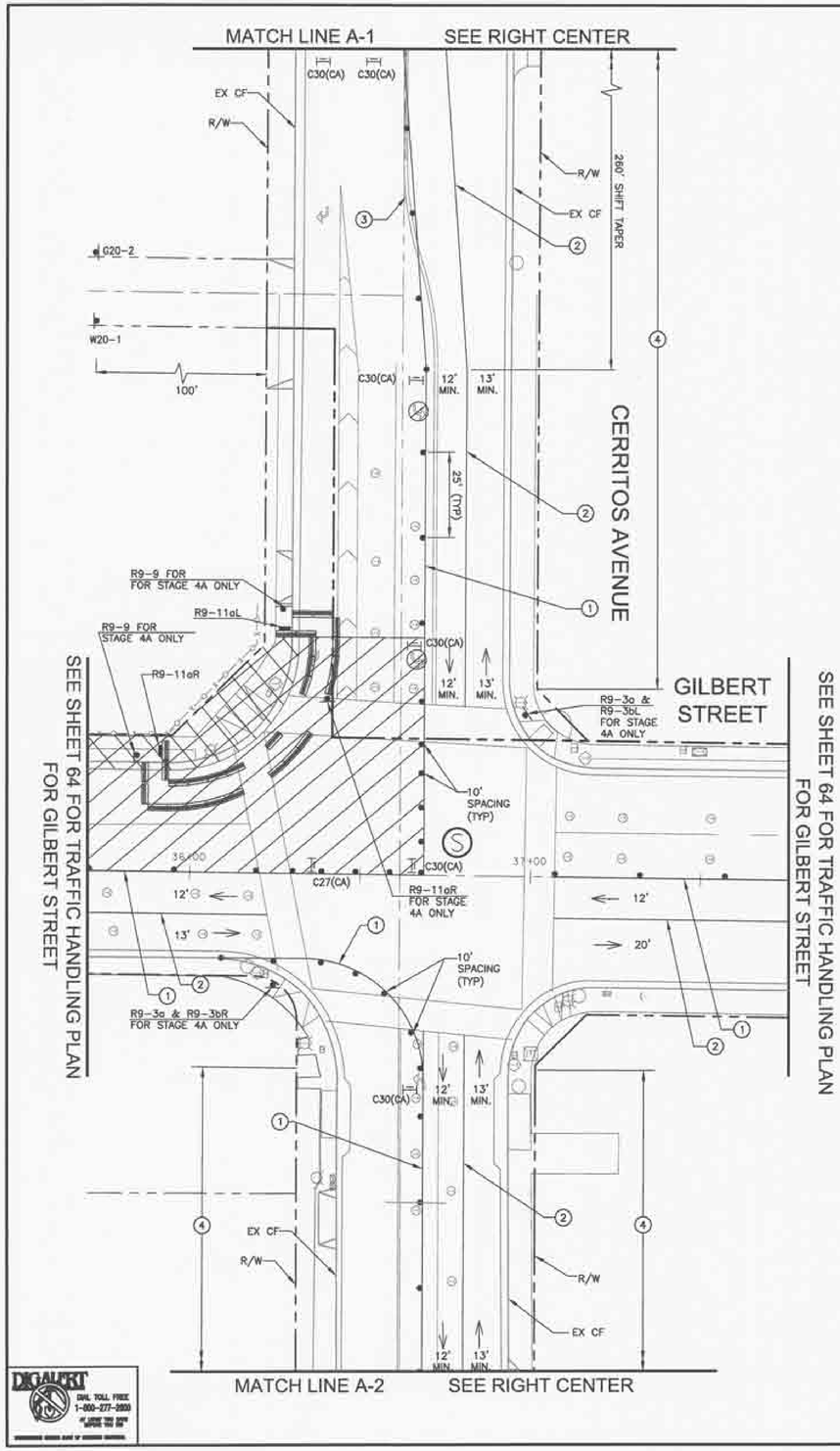
PREPARED BY:
Harris & Associates.
22 Cassilha Park, Suite 200 - Irvine CA 92614
Phone: (949) 655-1900 Fax: (949) 655-1999

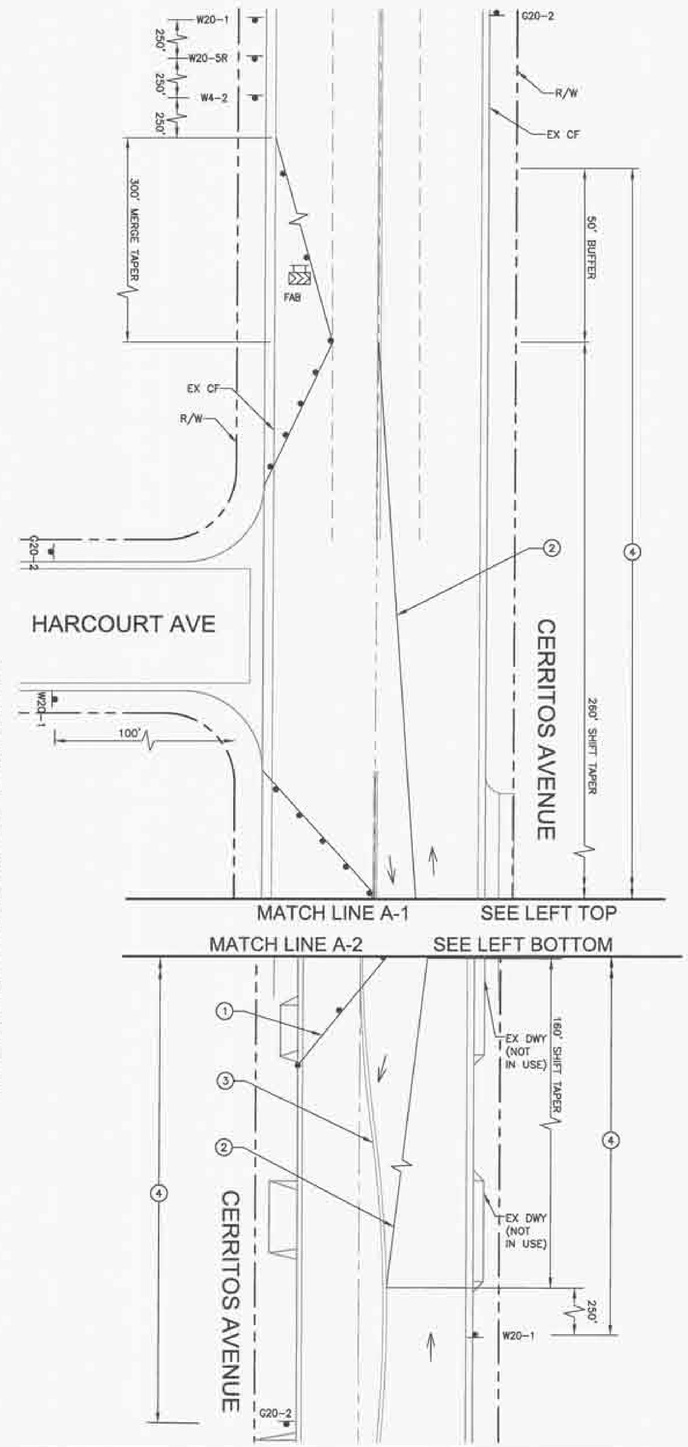
GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD
INTERSECTION
TRAFFIC HANDLING
PLANS
STAGE 3, 3A
GILBERT STREET AT
CERRITOS AVENUE

Sheet Reference Number
TH-12

DIGALERT
DIAL TOLL FREE
1-800-227-2600
"USE 811"

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilberr-STAGE3.dwg





CONSTRUCTION NOTES

1. PAINT 4-INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4-INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 4

INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.

SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

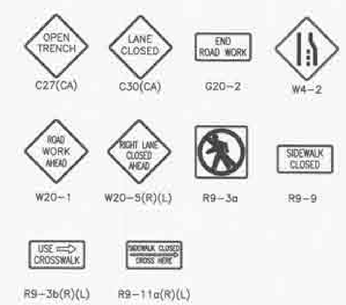
STAGE 4A

REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : 72"X24"X42" WATER-FILLABLE TRAFFIC BARRIER
- : SIGN (PER 2012 CA MUTCD)
- : COVER EXISTING PAVEMENT MARKING

TRAFFIC SIGN LEGEND



GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER MARSHALL G. BERRY NO. C44842 CIVIL STATE OF CALIFORNIA

MARSHALL G. BERRY — DATE 5/2/14

DESIGNED BY: G. SOLSONA
DRAWN BY: G. BIRCHAM
CHECKED BY: M. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
Harris & Associates.
22 Executive Park, Suite 200 • Irvine, CA 92614
Phone: (949) 655-1900 • Fax: (949) 655-1999

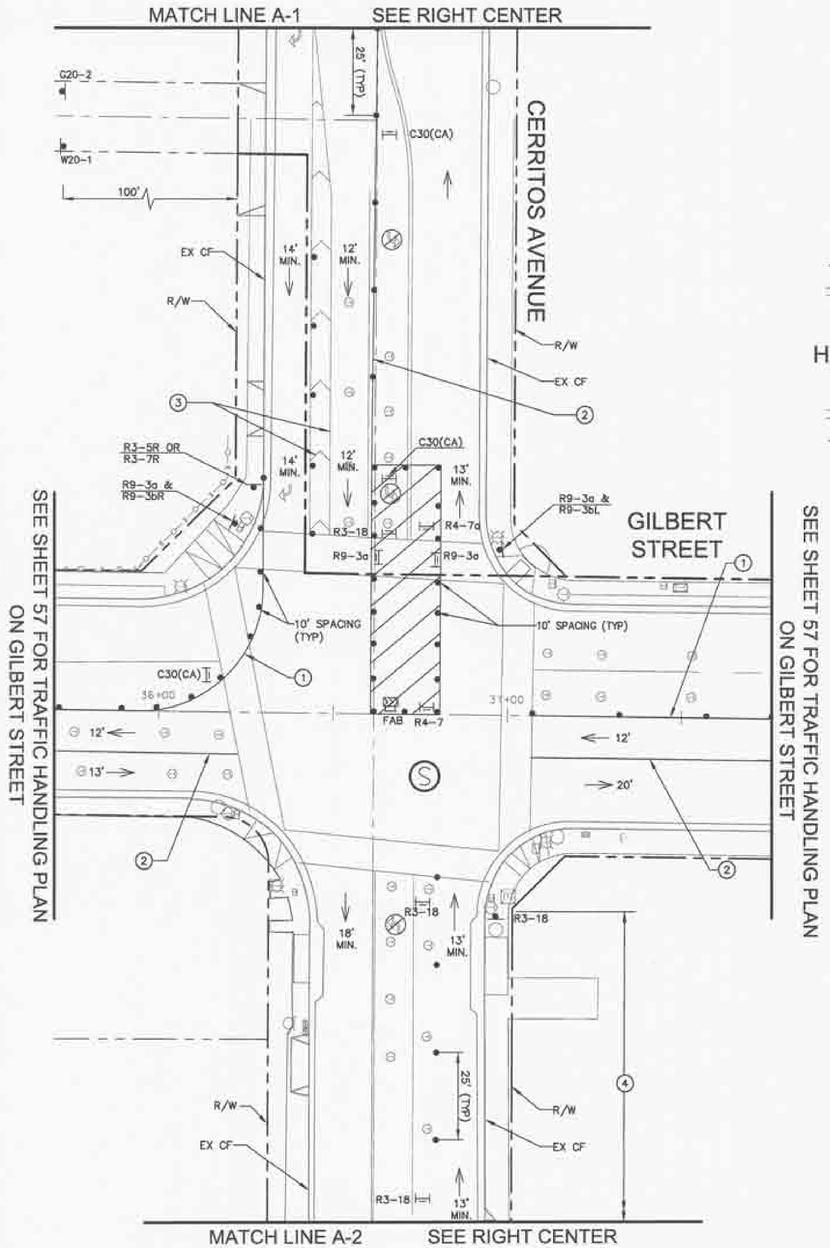
GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD
INTERSECTION
TRAFFIC HANDLING
PLANS
STAGE 4. 4A
GILBERT STREET AT
CERRITOS AVENUE

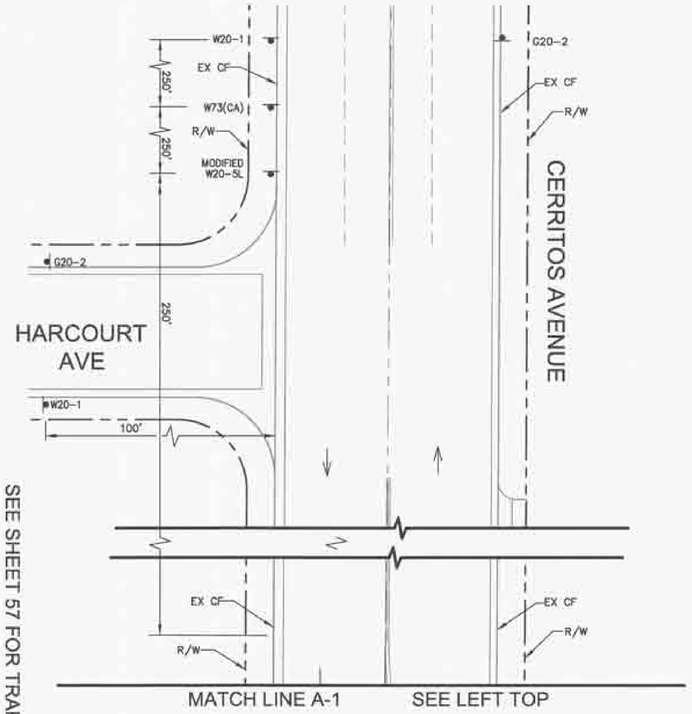
Sheet Reference Number

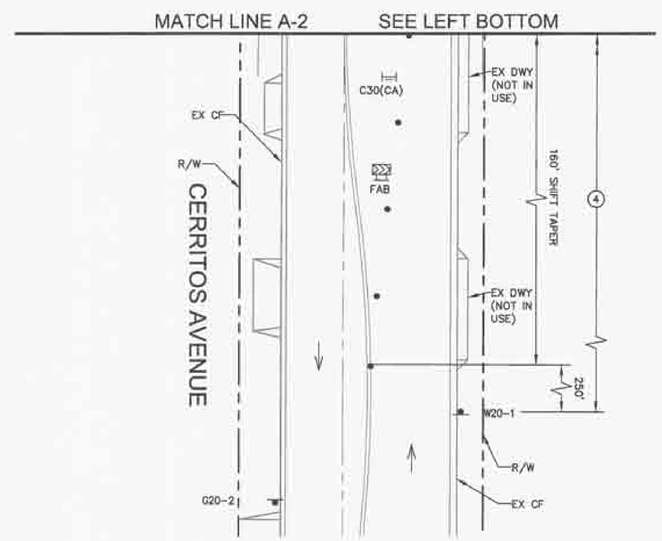
TH-13

DIGALERT
CALL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS
BEFORE YOU DIG

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilbert-STAGE4.dwg







CONSTRUCTION NOTES

1. PAINT 4-INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4-INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 1/4

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 1A/4A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : COVER EXISTING PAVEMENT MARKING

TRAFFIC SIGN LEGEND

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF: RANDALL G. BERRY

REGISTERED PROFESSIONAL ENGINEER RANDALL G. BERRY NO. C44642 CIVIL STATE OF CALIFORNIA

DATE 5/2/14

DESIGNED BY: G. SOLSONA
DRAWN BY: C. BROWN
CHECKED BY: R. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY OC PUBLIC WORKS

PREPARED BY: Harris & Associates. 22 Executive Park, Suite 200 • Irvine, CA 92614 Phone: (949) 250-0004 • Fax: (949) 250-1601

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD
INTERSECTION TRAFFIC HANDLING PLANS
STAGE 1, 1A, 4, 4A
GILBERT STREET AT CERRITOS AVENUE

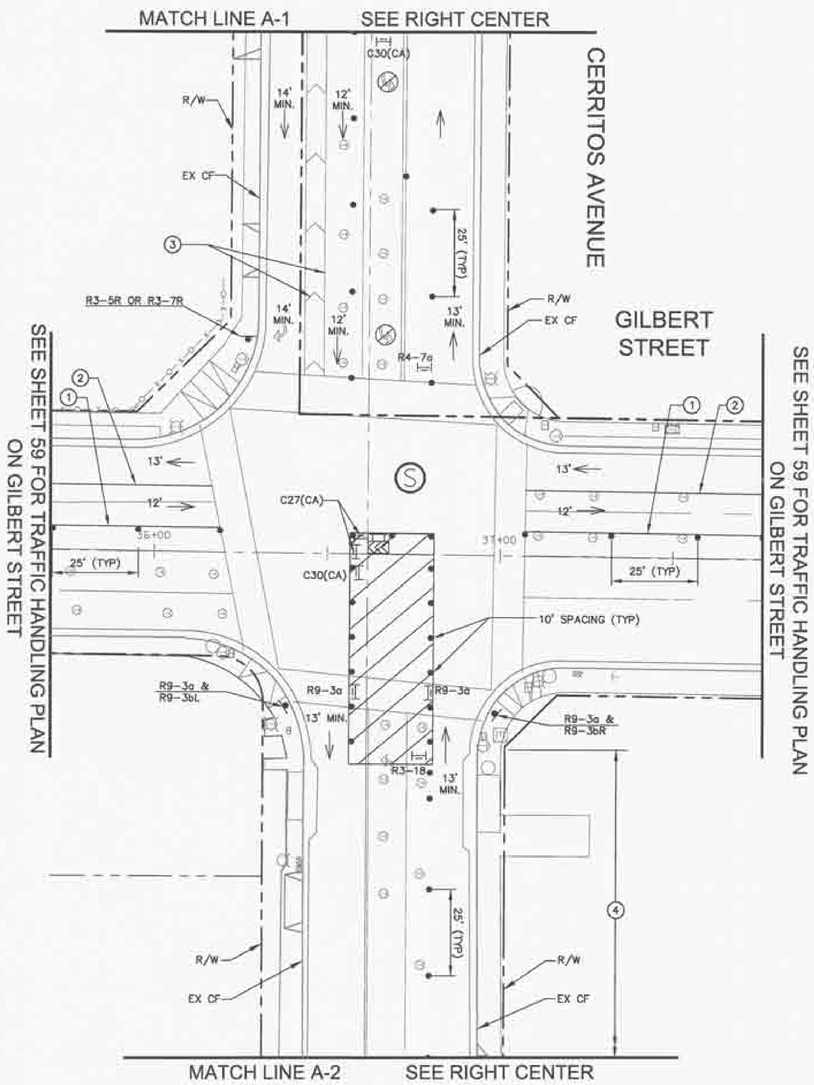
Sheet Reference Number

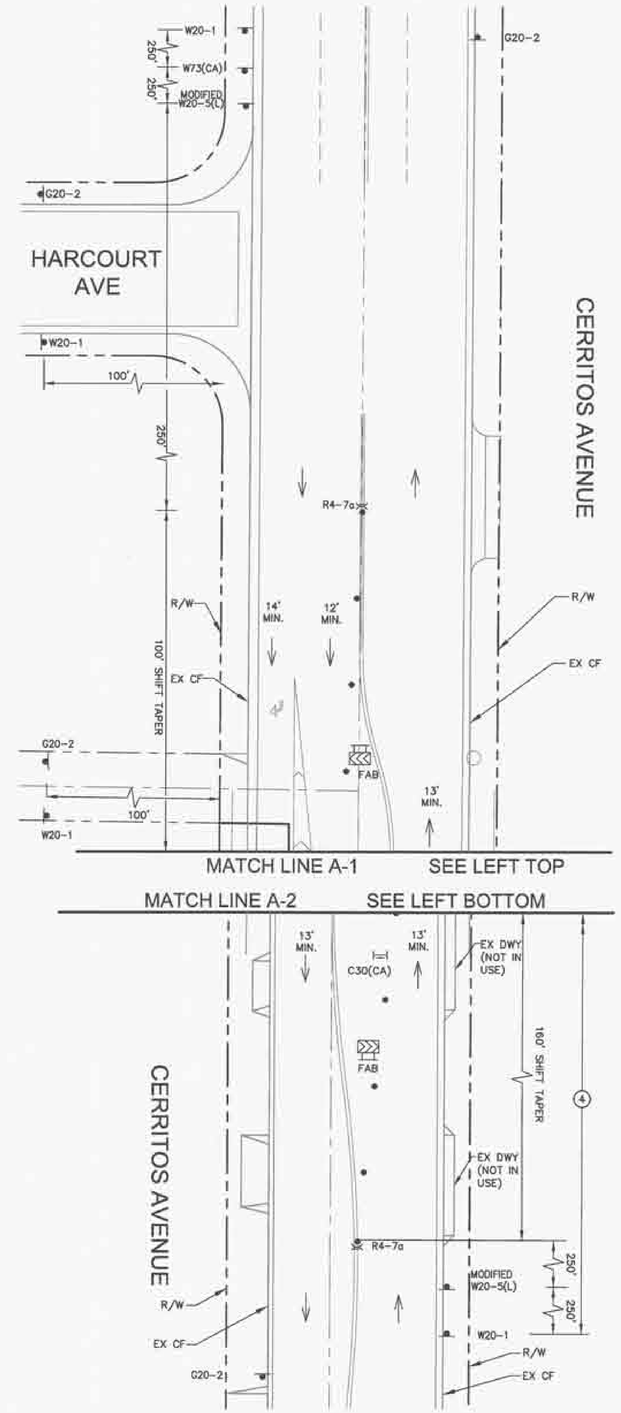
TH-14

Sheet 69 of 72

DIGALERT TWO, TOLL FREE 1-800-227-2600 PLEASE TWO DAYS BEFORE YOU DIG

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilbcerr-STAGE1-4 combo.dwg





CONSTRUCTION NOTES

1. PAINT 4 INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4 INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.
3. SANDBLAST EXISTING CONFLICTING STRIPING.
4. INSTALL "TOW AWAY NO PARKING ANYTIME" SIGNS AT 25' INTERVALS. SIGNS SHALL BE POSTED ON TEMPORARY STANDARD, I.E. BARRICADE, DELINEATOR, OR STAKE, AND SHALL NOT BE AFFIXED TO ANY PUBLIC OR PRIVATE PROPERTY STANDARDS OR STRUCTURES.

STAGE 2/3

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 2A/3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : COVER EXISTING PAVEMENT MARKING

TRAFFIC SIGN LEGEND

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
REGISTERED PROFESSIONAL ENGINEER RANDALL D. BERRY NO. C44842 CIVIL STATE OF CALIFORNIA
RANDALL D. BERRY — DATE 5/2/14

DESIGNED BY: G. SOLSONA
DRAWN BY: C. BROWN
CHECKED BY: R. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

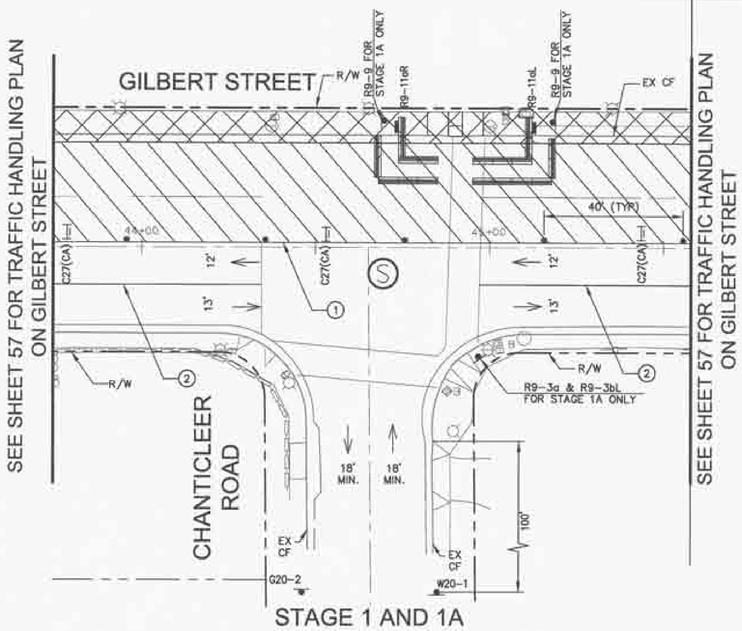
PREPARED BY: Harris & Associates.
27 Cannelton Ave., Suite 200 • Irvine, CA 92614
Phone: (949) 655-3900 • Fax: (949) 655-3906

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD
INTERSECTION
TRAFFIC HANDLING
PLANS
STAGE 2, 2A, 3, 3A
GILBERT STREET AT
CERRITOS AVENUE

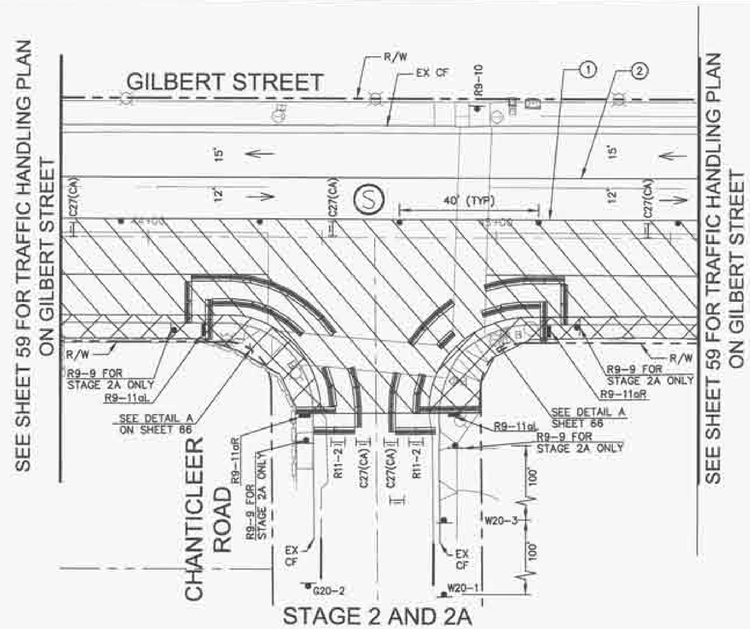
Sheet Reference Number
TH-15

DIGALERT CALL TOLL FREE 1-800-227-2600 "A" LINE TO DIG" BEFORE YOU DIG

H:\ORANGE COUNTY\Gilbert TC Plans\dwg\c-road-th-gilbert-STAGE2-3 combo.dwg

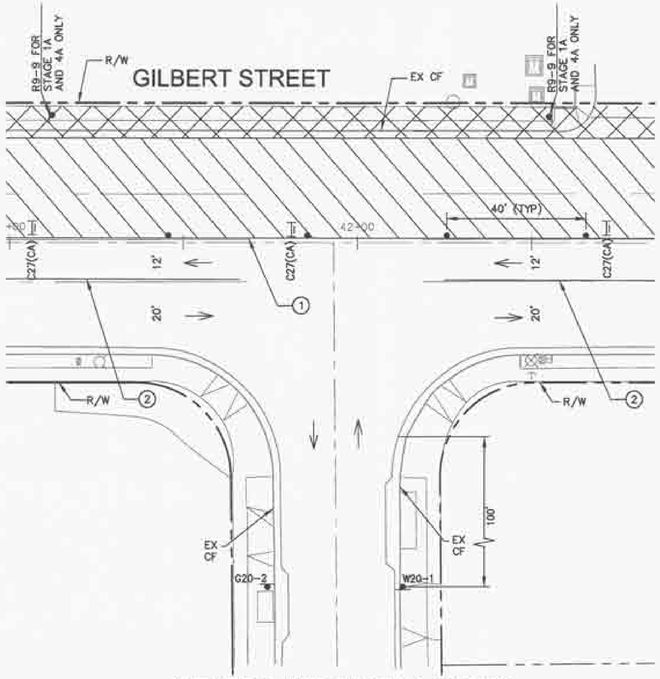


STAGE 1 AND 1A

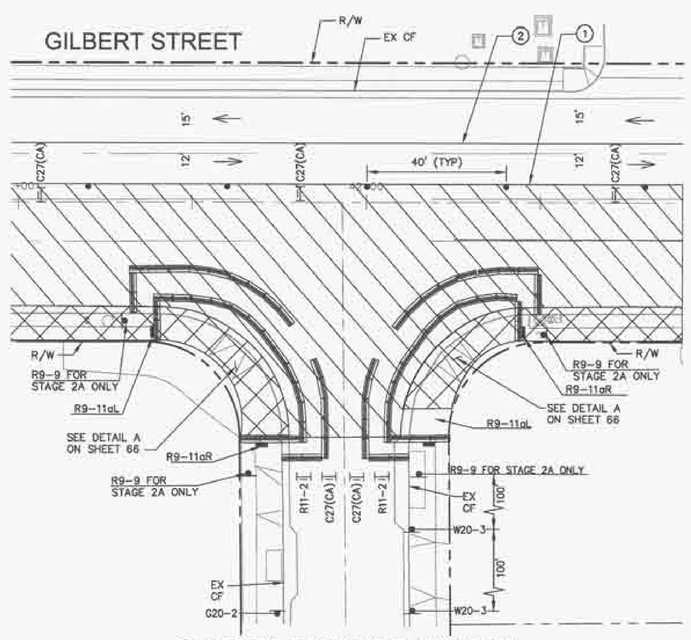


STAGE 2 AND 2A

INTERSECTION TRAFFIC CONTROL AT GILBERT STREET AND CHANTICLEER ROAD



STAGE 1 AND 1A OR 4 AND 4A



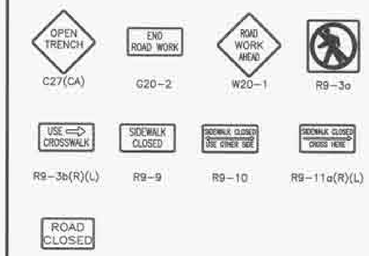
STAGE 2 AND 2A OR 3 AND 3A

TYPICAL INTERSECTION TRAFFIC CONTROL DETAIL AT NON-SIGNALIZED SIDE STREETS

CONSTRUCTION NOTES

1. PAINT 4 INCH WHITE TEMPORARY EDGE LINE PER CALTRANS STD. PLAN A20B DETAIL 27B.
2. PAINT 4 INCH YELLOW TEMPORARY TWO DIRECTION NO PASSING LINE PER CALTRANS STD PLAN A20A DETAIL 21.

TRAFFIC SIGN LEGEND



STAGE 1 OR 4

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE EAST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT WEST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 1A OR 4A

1. REMOVE AND RECONSTRUCT WEST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
2. PROVIDE TEMPORARY SCHOOL CROSSING AT CHANTICLEER ROAD.

STAGE 2 OR 3

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND DETOURS HEREON THIS SHEET.
2. SHIFT TRAFFIC TO THE WEST SIDE OF GILBERT STREET, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.
3. CONSTRUCT EAST GILBERT STREET ADA RAMPS, DRIVEWAYS, SIDEWALK, AND CURB AND GUTTER.

STAGE 2A OR 3A

1. REMOVE AND RECONSTRUCT EAST GILBERT STREET ROADWAY, MAINTAINING ONE LANE OF TRAVEL IN EACH DIRECTION.

LEGEND

- : WORK ZONE
- : EXISTING SIGN
- : NEW SIGN AND POST
- : TYPE II BARRICADE
- : TYPE III BARRICADE (MIN 8' WIDTH) (TWO 4' WIDE BARRICADES)
- : DELINEATOR WITH WHITE RETROREFLECTIVE TAPE (THICKER CONE PLATFORM)
- : FLASHING ARROW BOARD, FAB
- : SIGNALIZED INTERSECTION
- : DIRECTION OF TRAVEL
- : EXISTING DRIVEWAY
- : 72"X24"X42" WATER-FILLABLE TRAFFIC BARRIER
- : SIGN (PER 2012 CA MUTCD)

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER RANDALL G. BERRY NO. C44542 CIVIL STATE OF CALIFORNIA

RANDALL G. BERRY — DATE 5/2/14

DESIGNED BY: G. SOLIZONA
DRAWN BY: C. BROWN
CHECKED BY: R. BERRY
DRAWING CODE:
FILE NAME:
PLOT DATE: 5/2/2014
SCALE: 1"=20'

ORANGE COUNTY DC PUBLIC WORKS

PREPARED BY: Harris & Associates. 12 Goodyear, Suite 100 Irvine, CA 92618 PHONE (949) 472-3505 FAX (949) 472-8373

GILBERT STREET IMPROVEMENTS FROM KATELLA AVENUE TO BALL ROAD
INTERSECTION TRAFFIC HANDLING
GILBERT STREET AT CHANTICLEER ROAD AND GILBERT STREET AT NON-SIGNALIZED SIDE STREETS

Sheet Reference Number
TH-16

Sheet 71 of 72

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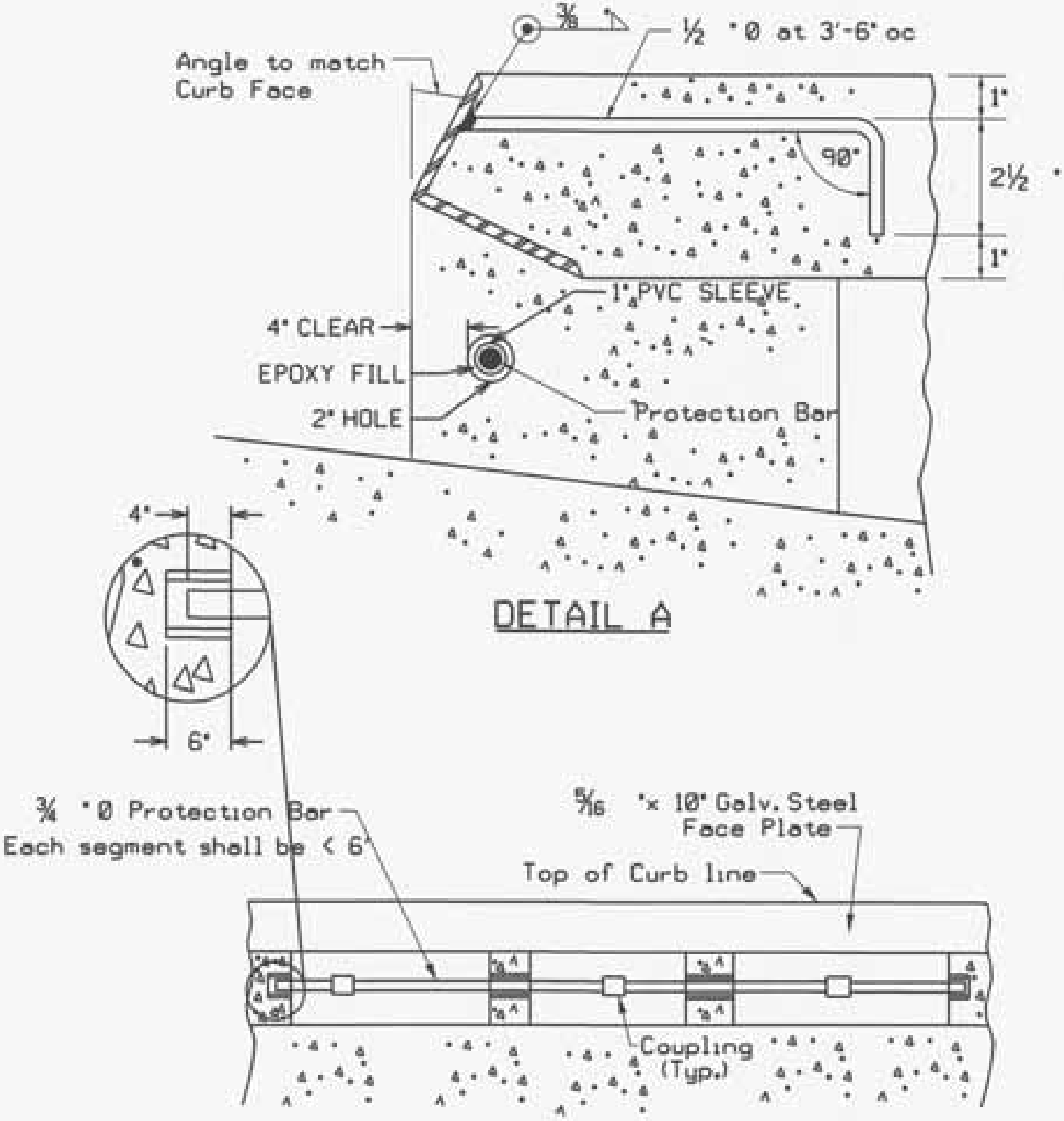
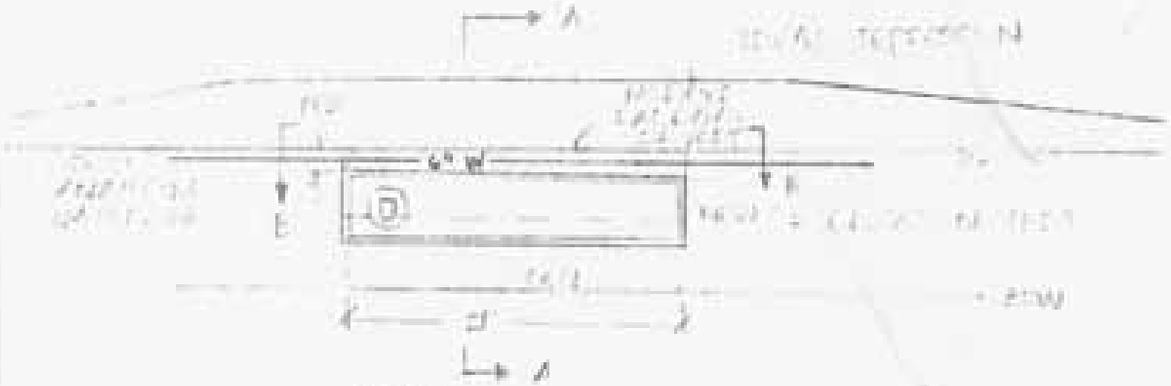
DIGALERT CALL TOLL FREE 1-800-227-2600

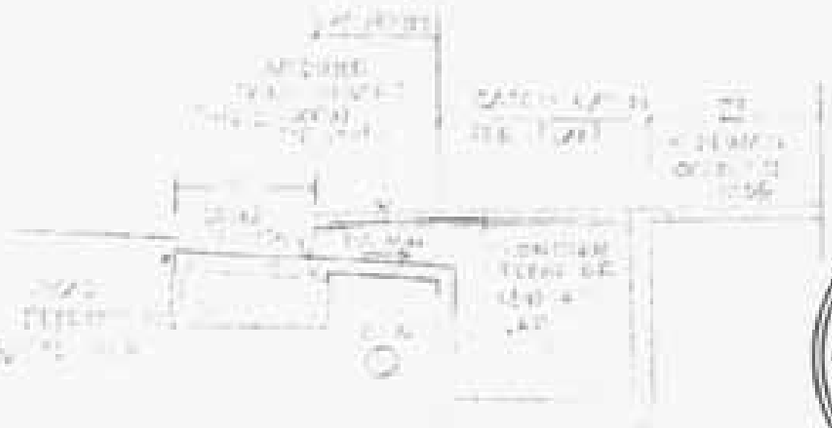


PROTECTION BAR DETAIL

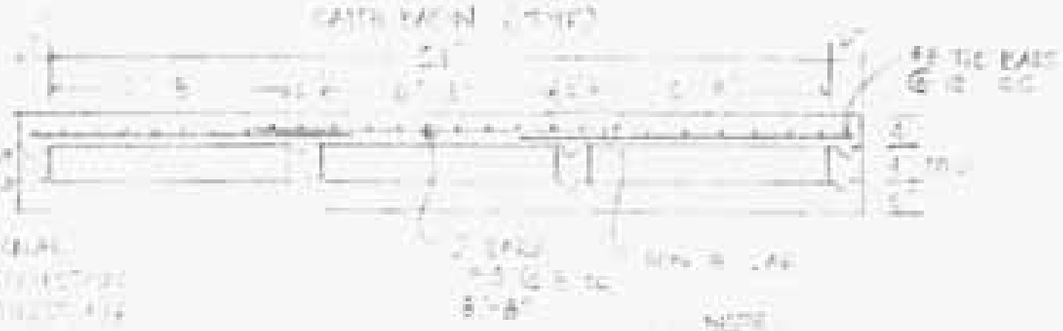
Note:
-All metal shall be galvanized after fabrication.



PLAN (TYPICAL)



SECTION A-A

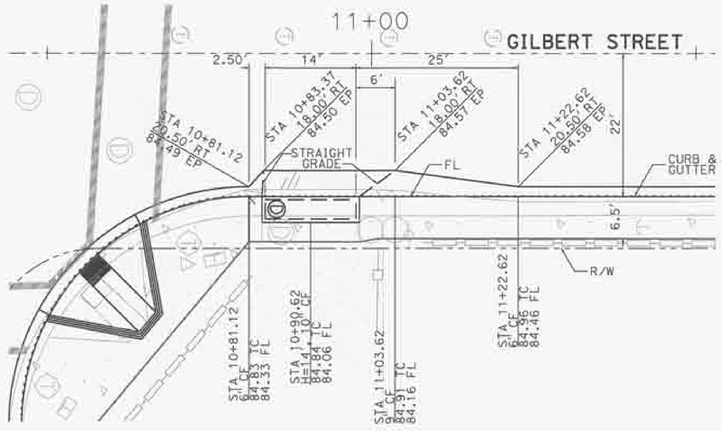


NOTE

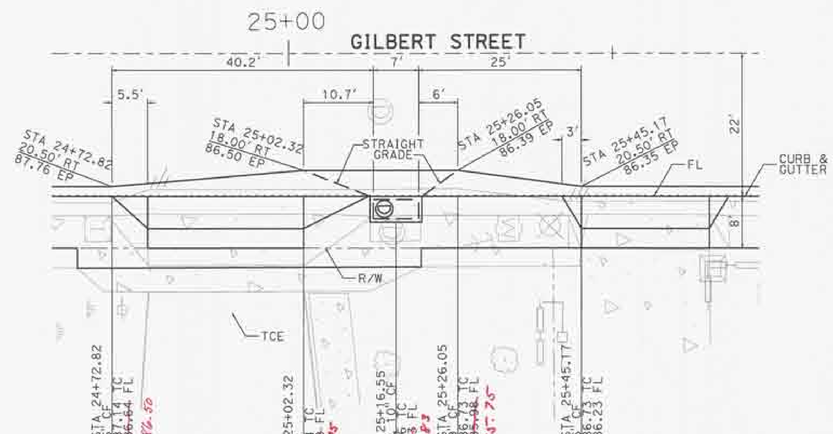
1) PROJECT PLAN AS NEEDED

2) REFER TO CLEAR SITE PLANS FROM A-BOB FOR MISCELLANEOUS PARTS & DETAILS.

AS Built CATCH BASIN / LD

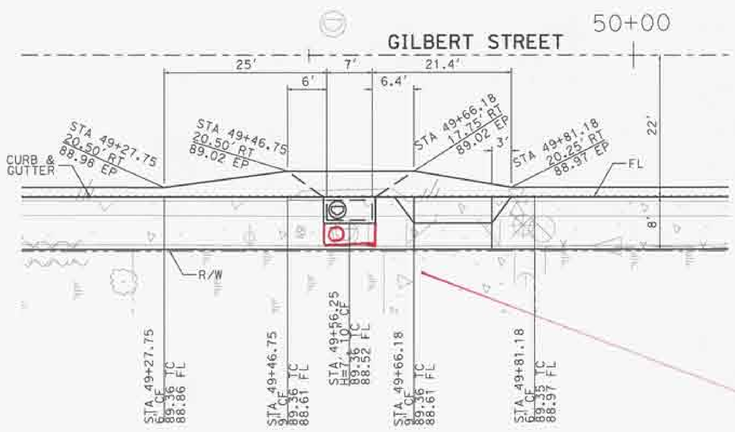


A CATCH BASIN
TYPE II
STA 10+90.62

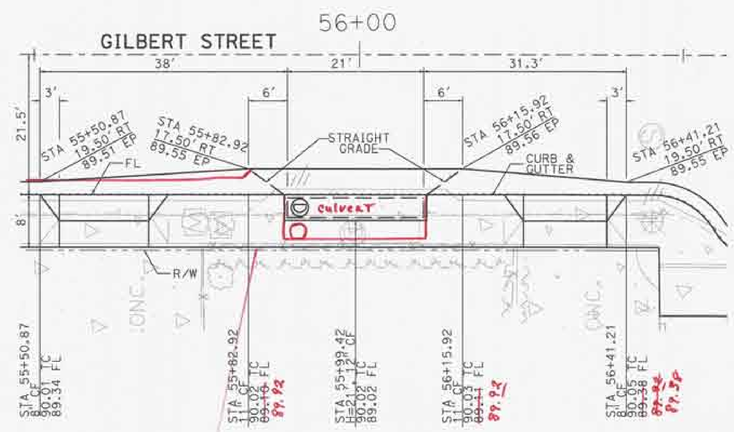


B CATCH BASIN
TYPE II
STA 25+16.55

① Mod Per Survey



C CATCH BASIN
TYPE II
STA 49+56.25



D CATCH BASIN
TYPE II
STA 55+99.42

① Mod Per Co Detail To Avoid WATER line
② Mod LO Per County Survey layout
③ ADD SAFETY BAR PER County Detail

1" = 10'
10 5 0 10 20
3 Inches on original drawing

DIGALERT
CALL TOLL FREE 811
"LARGE TRUCK RULE"

COUNTY OF ORANGE CALIFORNIA

MARK	DESCRIPTION	DATE	APPR.

PREPARED UNDER THE RESPONSIBLE CHARGE OF:
REGISTERED PROFESSIONAL ENGINEER ANISSA VOYIATZES No. 67170 Exp. 12/31/14 CIVIL STATE OF CALIFORNIA
ANISSA VOYIATZES — DATE 04/30/2014

DESIGNED BY: V. HELLENS
DRAWN BY: V. HELLENS
CHECKED BY: A. VOYIATZES
DRAWING CODE:
FILE NAME:
PLOT DATE: 04/30/2014
SCALE: 1"=20'

ORANGE COUNTY
OC PUBLIC WORKS

PREPARED BY:
PSOMAS
3 HUTTON CENTRE DRIVE, STE 200
SANTA ANA, CA 92707
TEL: (714) 751-7373
FAX: (714) 545-8883

GILBERT STREET IMPROVEMENTS
FROM KATELLA AVENUE
TO BALL ROAD

CATCH BASIN DETAILS

Sheet Reference Number
SD-01

Sheet 72 of 72

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