

12345678910111213141516

NOTICE TO CONTRACTORS

1. SPECIFICATIONS: ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) AS ADOPTED BY THE BOARD OF PUBLIC WORKS OF THE CITY OF LOS ANGELES AND THE CORRESPONDING ADDITIONS AND AMENDMENTS TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("BROWN BOOK").

2. THIS IMPROVEMENT CONSISTS OF WORK CALLED FOR ON THIS PLAN ONLY.

3. CITY OF LOS ANGELES STANDARD PLANS FOR THIS PROJECT -:

S-137-1 ADJUSTING SEWER MAINTENANCE HOLE TO GRADE

S-241-1 REINFORCED CONCRETE PIPE

S-251-1 PIPE LAYING IN TRENCHES

S-301-1 JUNCTION STRUCTURE "D"

S-311-0 WARPED GUTTER AT CATCH BASINS

S-333-0 CONCRETE COLLAR FOR STORM DRAIN PIPE

S-351-1 SIDE OPENING CATCH BASINS

S-410-2 TYPES OF CURB AND GUTTER

S-430-1 JOINTS IN CONCRETE PAVEMENT

S-432-1 STANDARD STREET CROWN SECTIONS

S-440-4 DRIVEWAYS

S-442-3 CURB RAMPS

S-462-2 METAL BEAM GUARDRAIL

S-601-3 HAND HOLES, MAINTENANCE HOLE COVERS AND FRAMES, DETECTABLE WARNING SURFACE, PAVERS AND SIMILAR INSTALLATIONS

S-623-0 DRAFTING SYMBOLS FOR EXISTING CULTURE

S-627-0 SYMBOLS FOR CONSTRUCTION NOTES

S-691-0 CHAIN LINK FENCE AND GATES

S-701-0 SURVEY MONUMENT COVER AND INSTALLATION DETAILS

S-702-0 SURVEY MONUMENTS

S-703-0 SURVEY BENCH MARKS

S-704-0 VERTICAL SURVEY DATUMS

S-791-1 ADVANCE CONSTRUCTION NOTES SIGN

4. INSPECTION: ALL WORK AND MATERIALS SHALL BE INSPECTED BY THE INSPECTOR OF PUBLIC WORKS DURING CONSTRUCTION PURSUANT TO LATEST EDITION OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) AS AMENDED BY THE CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS "BROWN BOOK", AND THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION AS APPLICABLE. CALL (213) 485-5080 BEFORE NOON OF THE WORKING DAY BEFORE THE FIRST SCHEDULED DAY OF CONSTRUCTION.

PRIOR TO THE START OF ANY CONSTRUCTION, DEMOLITION, REMOVALS, SAWCUTTING, OR INSTALLATION OF TRAFFIC CONTROL THE CONTRACTOR SHALL MEET WITH THE INSPECTOR TO DISCUSS SAFETY, TRAFFIC CONTROL REQUIREMENTS, PUBLIC ACCESS, CONSTRUCTION IMPACT MITIGATION, REMOVAL LIMITS, AND CONTRACTOR'S PLANNED SEQUENCING OF OPERATIONS.

PRIOR TO OR AT THE PROJECT PRECONSTRUCTION MEETING THE PERMITTEE OR ITS CONTRACTOR SHALL PROVIDE THE INSPECTOR TWO SETS OF FULL-SIZE PLANS AND MAINTAIN ONE SET OF FULL-SIZE PLANS AT THE SITE DURING CONSTRUCTION. INDEXED PLANS ARE AVAILABLE FROM THE CITY'S WEBSITE AT [HTTP://ENGVAULT.LACITY.ORG](http://engvault.lacity.org).

5. THE CONTRACTOR, IN CONFORMANCE WITH LOS ANGELES CITY ORDINANCE NO. 150,478 SHALL POTHOLE EXISTING SUBSURFACE INSTALLATIONS CARRYING UNSTABLE SUBSTANCES TO DETERMINE THEIR LOCATIONS AND ELEVATIONS BEFORE COMMENCING EXCAVATION.

6. UNDERGROUND SERVICE ALERT: BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY I.D. NUMBER BY CALLING (800) 227-2600. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF LOS ANGELES, A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE I.D. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. I.D. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.

7. AT LEAST THIRTY (30) DAYS BEFORE THE START OF CONSTRUCTION THE CONTRACTOR/ENGINEER SHALL CONTACT THE BUREAU OF STREET SERVICES, COORDINATING SECTION AT (213) 847-3200 TO VERIFY THAT THERE IS NO PROPOSED PROJECT IN THIS AREA.

8. NOTIFICATION: AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ABUTTING PROPERTY OCCUPANTS OF THE PROPOSED CONSTRUCTION START DATE. A COPY OF SAID WRITTEN NOTIFICATION SHALL BE PROVIDED TO THE PUBLIC WORKS INSPECTOR FOR APPROVAL BEFORE THEY ARE DISTRIBUTED TO THE OCCUPANTS OF THE ABUTTING PROPERTY.

9. ADVANCE CONSTRUCTION NOTICE SIGNS: IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH), LATEST EDITION, FURNISH AND PLACE SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION AS PART OF THIS PROJECT IN ACCORDANCE WITH CURRENT STANDARD PLAN S-791.

10. CUTS OR EXCAVATIONS IN STREETS THAT HAVE BEEN RESURFACED ONE YEAR OR LESS FROM THE DATE OF A PROPOSED CUT OR EXCAVATION ARE PROHIBITED UNLESS THE PERMITTEE RESURFACES THE ENTIRE BLOCK OR INTERSECTION WITHIN WHICH SUCH CUT OR EXCAVATION OCCURS, PER ORDINANCE NO. 171922, 171923, 171924, AND SPECIAL ORDER NO. 06-0807.

11. CONSTRUCTION STAKES FOR CURB AND LONGITUDINAL GUTTER, WITH GRADE LESS THAN 0.50 %, SHALL BE SET 12.5 FEET ON CENTER.

12. REMOVALS:

a. REMOVE ALL EXISTING IMPROVEMENTS THAT INTERFERE WITH THE CONSTRUCTION OF THIS PROJECT.

b. ALL UTILITIES SHALL BE REMOVED OR RELOCATED BY OTHERS.

13. IN ADDITION TO THE CONSTRUCTION OF PAVEMENT SHOWN HEREON, WORK REQUIRED UNDER THIS PLAN WILL ALSO INCLUDE THE CONSTRUCTION OF PERMANENT TRENCH RESURFACING IN ALL AREAS WHERE UTILITY LINES HAVE BEEN INSTALLED TO SERVE THIS DEVELOPMENT. CONDITIONS OF TRENCH BACKFILL AND RESURFACING SHALL BE AS SPECIFIED ON THE EXCAVATION PERMIT. PAVING OF ROADWAY AREAS SHALL BE WITHHELD UNTIL CONTEMPLATED UTILITY CHANGES OR INSTALLATIONS HAVE BEEN MADE UNDER CITY PERMIT.

14. REPAIR AND/OR REPLACE ANY EXISTING BROKEN OR OFF-GRADE PAVEMENT, CONCRETE CURB, GUTTER OR SIDEWALK IMMEDIATELY ADJACENT TO OR WITHIN THE AREA OF THIS IMPROVEMENT SATISFACTORY TO THE CITY ENGINEER.

15. SURVEY MONUMENT PRESERVATION IS REQUIRED AND SHALL INCLUDE SUBMITTAL OF PRE AND POST-CONSTRUCTION SURVEY MONUMENT TIES TO BOTH HORIZONTAL AND VERTICAL CONTROL POINTS PUBLISHED IN LOS ANGELES CITY ENGINEER FIELD BOOKS AND PRECISE BENCHMARK BOOKS. THIS DOES NOT RELIEVE THE CONTRACTOR OF FULFILLING ANY ADDITIONAL REQUIREMENTS SET FORTH BY SECTIONS 2-9.1 AND 2-9.3 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK & BROWN BOOK").

16. IMPORTANT NOTICE: ALL REQUIRED PUBLIC IMPROVEMENTS MUST BE COMPLETED BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY OR A CERTIFICATE OF OCCUPANCY WILL BE ISSUED FOR THIS PROJECT PER ORDINANCE NO. 165081.

17. TRAFFIC LANE REQUIREMENTS: JEFFERSON BL, HIGUERA ST, RODEO RD. ALL TRAFFIC LANES (INCLUDING THROUGH, TURNING AND PARKING LANES) SHALL BE UNOBSTRUCTED FROM 3:30PM TO 9:00AM OF THE NEXT DAY. ONE LANE MAY BE CLOSED AT ALL OTHER TIMES.

HIGUERA ST AND RODEO RD FULL CLOSURE OF HIGUERA ST SHALL BE COORDINATED WITH CITY OF LOS ANGELES AND CULVER CITY.

FOLLOW THE TEMPORARY TRAFFIC CONTROL PROVISIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION (OR LATEST CITY ADOPTED EDITION) AND THE 2014 "WATCH" MANUAL (OR LATEST CITY ADOPTED EDITION).

12345678910111213141516

INDEX TO SHEETS

SHT NO	PLANS DESCRIPTION	FROM	TO
1	TITLE SHEET		
2	KEY MAP AND GENERAL PROJECT INFORMATION		
3	TYPICAL SECTIONS, CONSTRUCTION NOTES & SYMBOL LEGEND		
4	HORIZONTAL CONTROL PLAN	JEFFERSON BLVD	EASTHAM DRIVE
5	UTILITY COMPOSITE AND DISPOSITION PLAN	JEFFERSON BLVD	EASTHAM DRIVE
6	STREET HIGUERA STREET (CULVER CITY) (FOR REFERENCE ONLY)	84' EAST OF EASTHAM DRIVE	398' EAST OF EASTHAM DR
7	RODEO ROAD (LOS ANGELES)	38' WEST OF JEFFERSON BLVD	246' WEST OF JEFFERSON BLVD
	HIGUERA STREET (LOS ANGELES) (REFERENCE ONLY)	246' WEST OF JEFFERSON BLVD	270' WEST OF JEFFERSON BLVD
8	STORM DRAIN IMPROVEMENTS		
9	PAVEMENT DELINEATION PLAN (REFERENCE ONLY)		
10	CIVIL DETAILS		
11	REVOCABLE PERMIT (REFERENCE ONLY)		
12	TRAFFIC AND LIGHTING TRAFFIC SIGNAL MODIFICATIONS PLANS		
13-14	STREET LIGHTING PLANS		
15-19	WORK SITE TRAFFIC CONTROL PLANS		
20	NOT USED		
21-43	STRUCTURAL STRUCTURAL BRIDGE PLANS & DETAILS (REFERENCE ONLY)		

12345678910111213141516

NOTICE TO CONTRACTORS (CONTINUED)

DETOUR/ WTCP PLAN REQUIRED: THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION (OR LATEST CITY ADOPTED EDITION). TRAFFIC LANE CLOSURES FOR THIS PROJECT REQUIRES WORKSITE SIGNING AND STRIPING PLANS (WORKSITE TRAFFIC CONTROL PLANS (WTCP)). THE WTCP SHALL SHOW TYPICAL LANE CLOSURES AND PROPOSED TEMPORARY TRAFFIC CONTROL DEVICES. THE WTCP SHALL BE SUBMITTED IN FINAL DRAFT FORM AT LEAST TEN (10) WORK DAYS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) AT (213) 972-8607 TO ARRANGE FOR PLAN REVIEW. ANY DEVIATION FROM THE APPROVED WTCP FOR BR003512 SHALL BE SUBMITTED IN WRITING AND RECEIVE APPROVAL FROM THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) PRIOR TO IMPLEMENTATION.

THE CONTRACTOR SHALL NOTIFY LADOT'S SPECIAL TRAFFIC CONTROL DIVISION AT (213) 485-2298, FOUR (4) WORK DAYS PRIOR TO THE START OF CONSTRUCTION FOR THE POSTING OF TEMPORARY "TOW AWAY NO STOPPING" SIGNS.

TRAFFIC CONTROL DEVICES MAINTENANCE: THE B-PERMITTEE SHALL PAY FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL MISSING, DAMAGED AND NECESSARY TRAFFIC CONTROL DEVICES (I.E., SIGNS, CURB MARKINGS, SPEED HUMPS, STAMPED CROSSWALKS, PARKING METERS, ETC.). THE CONTRACTOR WILL BE REQUIRED TO PHYSICALLY INSTALL SOME OR ALL THE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF LADOT. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED UTILIZING THERMOPLASTIC MATERIALS PER LADOT SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT LADOT'S CITYWIDE INVESTIGATIONS AT (213) 928-9625 PRIOR TO COMMENCING ANY WORK THAT REQUIRES TRAFFIC CONTROL DEVICES MAINTENANCE.

FOR TRAFFIC RELATED QUESTIONS DURING CONSTRUCTION, PLEASE CONTACT LADOT'S HOLLYWOOD- WILSHIRE DISTRICT OFFICE, AT (323) 957-6843.

ADDITIONAL CENTRAL DISTRICT B-PERMIT OFFICE NOTES:

18. TREES AND TREE WELLS - ADDITIONAL NOTES

A. CONTRACTOR SHALL CONTACT THE URBAN FORESTRY DIVISION AT (213) 847-3088 FIVE (5) WORKING DAYS PRIOR TO SIDEWALK CONSTRUCTION TO ALLOW FOR TREE SITE MARKING.

B. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD APPROVAL MAY TAKE FROM 30-90 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED.

C. WARNING TO B PERMITTEE: AS STATED, STREET TREE REMOVAL FOR ANY REASON, INCLUDING BUT NOT LIMITED TO STREET WIDENING, DRIVEWAY INSTALLATION, SIDEWALK RECONSTRUCTION, ETC, REQUIRES A TREE REMOVAL PERMIT APPROVED BY THE BOARD OF PUBLIC WORKS. STREET TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR B PERMIT VOID.

D. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD APPROVAL MAY TAKE FROM 30-90 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL PERMIT OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED.

F. WARNING TO B PERMITTEE: AS STATED, STREET TREE REMOVAL FOR ANY REASON, INCLUDING BUT NOT LIMITED TO STREET WIDENING, DRIVEWAY INSTALLATION, SIDEWALK RECONSTRUCTION, ETC, REQUIRES A TREE REMOVAL PERMIT APPROVED BY THE BOARD OF PUBLIC WORKS. STREET TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR B PERMIT VOID.

G. TREE PRESERVATION: THE URBAN FORESTRY DIVISION MAY DETERMINE STREET TREES DO NOT REQUIRE REMOVAL FOR COMPLETION OF PROJECT PLANS. THE DIVISION MAY REQUIRE SUBJECT STREET TREES BE PRESERVED IN PLACE. ROOT PRUNING AND CROWN PRUNING MAY ALSO BE REQUIRED.

IF THE DIVISION REQUIRES TREE PRESERVATION AND ROOT PRUNING, A ROOT PRUNE PERMIT SHALL BE ISSUED TO PERMITTEE. ROOT PRUNING SHALL BE PERFORMED PER THE INSTRUCTIONS CONTAINED ON THE ROOT PRUNING PERMIT.

IF THE DIVISION REQUIRES TREE CROWN PRUNING IN ADDITION TO ROOT PRUNING, A TREE PRUNE PERMIT SHALL BE PROVIDED TO PERMITTEE. TREE PRUNING SHALL BE IN COMPLIANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A 300 GUIDELINES.

THE ROOT OR CROWN PRUNE PERMIT OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED. ROOT OR CROWN PRUNING WITHOUT A PERMIT IS A MISDEMEANOR.

19. SPECIAL NOTE: THE CONTRACTOR SHALL HAVE GRADE SHEETS AND DESIGN CHANGES APPROVED BY THE PRIVATE ENGINEER OF RECORD.

20. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF STANDARD PLAN S-601-1 (BOXES AND/OR COVERS FOR VAULTS, PULLBOXES, MANHOLES, TREEWELLS AND SIMILAR INSTALLATIONS). WHEN THE CONTRACTOR SELECTS PRODUCT/COMPANY ITEMS THAT ARE NOT INCLUDED IN THE "STANDARD PLAN S-601 PRODUCTS" LIST ([HTTP://ENG.LACITY.ORG/TECHDOCS/PRODUCT_MATERIAL/PRODUCT_MATERIALS.HTM](http://eng.lacity.org/techdocs/product_material/product_materials.htm)), THE ENGINEER SHALL FIRST CONTACT DESIGN STANDARDS AND INVESTIGATION GROUP (DSIG) OF BUREAU OF ENGINEERING (213) 485-5310 (OR 5311) FOR PRE-APPROVAL OF PRODUCTS PRIOR TO CONTACTING CONTRACT ADMINISTRATION FOR AN INSPECTION.

21. WHEN A B-PERMIT PROJECT IS NEARING CONSTRUCTION COMPLETION OR UPON RECEIVING THE STATEMENT OF COMPLETION FORM FROM THE PUBLIC WORKS INSPECTOR'S OFFICE (CON ADMIN), THE CONTRACTOR SHALL:

A) NOTIFY THE B-PERMIT PRIVATE ENGINEER OF RECORD TO PREPARE AND SUBMIT "AS-BUILT" PLANS TO CENTRAL DISTRICT B-PERMIT OFFICE. (FOR ALL LAUSD PROJECTS, B-PERMIT OFFICE PRE-APPROVAL OF AS-BUILT PLANS IS REQUIRED FIRST PRIOR TO SCHEDULING FOR A FINAL INSPECTION).

B) PROVIDE ICA CHANGE ORDERS SIGNED BY ALL OFFICES TO THE B-PERMIT PRIVATE ENGINEER OF RECORD.

C) UNLESS OTHERWISE INDICATED, B-PERMIT PRIVATE ENGINEER OF RECORD IS RESPONSIBLE FOR PREPARING CITY-WIDE POLICY "ELECTRONIC AS-BUILT" PLANS IN COORDINATION WITH THE CONTRACTOR. "ELECTRONIC AS-BUILT" PLANS MUST BE PREPARED BASED ON THE CITY ORIGINAL INDEX PLANS AVAILABLE FROM CITY'S WEBSITE: [HTTP://ENGVAULT.LACITY.ORG/APPS/VAULT/INDEX.HTM](http://engvault.lacity.org/apps/vault/index.htm). INSTRUCTION SHEETS ARE ALSO AVAILABLE FOR PICK UP FROM FRONT LOBBY OF THE CENTRAL DISTRICT B-PERMIT OFFICE LOCATED AT 201 N. FIGUEROA STREET, ROOM 770.

22. CONSTRUCTION COMPLETION OF NON-STANDARD IMPROVEMENTS ASSOCIATED WITH R-PERMIT REFERENCE NUMBER 2014000207, PERMITTEE SHALL PROVIDE A COPY OF CONTRACT ADMINISTRATIVE OFFICE ISSUED "STATEMENT OF COMPLETION" FORM TO R-PERMIT OFFICE STAFF LOCATED AT 201 N. FIGUEROA STREET, 3RD FLOOR (213-482-7030).

12345678910111213141516

NOTICE TO CONTRACTORS (CONTINUED)

23. PEAK HOUR TRAFFIC RESTRICTIONS ON CITY STREETS: ALL TRAFFIC LANES IN MAJOR, SECONDARY AND COLLECTOR DESIGNATED STREETS SHALL BE UNOBSTRUCTED FROM 6 AM TO 9 AM AND FROM 3:30 PM TO 7 PM.

SEWER CONSTRUCTION - ADDITIONAL NOTES

24. ALL SEWER MANHOLES SHOWN HEREON TO BE ADJUSTED TO GRADE SHALL BE ADJUSTED TO FINISHED GRADE IN ACCORDANCE WITH STANDARD PLAN S-137.

STORM DRAIN CONSTRUCTION - ADDITIONAL NOTES

25. TRENCH BACKFILL FOR ALL STORM DRAINS CONSTRUCTED IN DRAINAGE EASEMENTS SHALL BE MECHANICALLY COMPACTED TO A RELATIVE DENSITY OF 90%.

26. PROTECTION BARS SHALL BE INSTALLED ON ALL SIDE OPENING CATCH BASINS UNLESS INDICATED OTHERWISE ON PLAN.

27. LOCATIONS OF EXISTING HOUSE CONNECTION SEWERS SHOWN HEREON ARE APPROXIMATE. IF INTERFERENCE IS ENCOUNTERED, REMODEL THE HOUSE CONNECTION IN CONFORMANCE WITH THE APPLICABLE DETAIL ON STANDARD PLAN S-111-0.

28. TRENCH RESURFACING SHALL BE 6" AC ON 8" CMB.

29. SPACE BETWEEN THE BACK OF SIDE OPENING CATCH BASINS AND EXISTING SIDEWALK, IF LESS THAN 2 FEET, SHALL BE FILLED WITH 3" CONCRETE SIDEWALK PLACED MONOLITHICALLY WITH THE TOP SLAB OF THE CATCH BASIN.

30. APWA STANDARD PLANS FOR CONSTRUCTION PER BUREAU OF ENGINEERING SPECIAL ORDER NO. 007-0701, DATED JULY 16, 2001.

STREET IMPROVEMENTS - ADDITIONAL NOTES

31. GRADING REQUIRED ON PRIVATE PROPERTY OUTSIDE THE STREET OR ALLEY DEDICATION, IN CONNECTION WITH THIS IMPROVEMENT, SHALL BE PERFORMED EITHER WITHIN DEDICATED SLOPE EASEMENTS OR IN AREAS FOR WHICH SATISFACTORY RIGHTS-OF-ENTRY HAVE BEEN OBTAINED.

32. DRAINAGE FROM ALL LOTS SHALL BE CARRIED TO THE IMPROVED GUTTER BY MEANS OF A DRIVEWAY, APPROVED OUTLET STRUCTURE, OR SIDEWALK DRAIN (SECTION 306-7 GREENBOOK).

33. PAVING OF ROADWAY AREAS SHALL BE WITHHELD UNTIL THE SEWER AND STORM DRAIN WORK HAS BEEN APPROVED BY UNDERGROUND FINAL INSPECTION.

34. DRIVEWAYS SHALL BE CONSTRUCTED PER STANDARD PLAN S-440-4, CASE 2, X=4', Y=8', AND t=6", UNLESS OTHERWISE SHOWN ON THE PLAN.

35. WHERE TWO STREETS OF UNEQUAL BASE AND PAVEMENT THICKNESS INTERSECT, THE ENTIRE INTERSECTION TO THE E.C.R.'S SHALL BE PAVED WITH THE GREATER THICKNESS OF BASE AND PAVEMENT.

36. PLACE 4" OF CRUSHED MISCELLANEOUS BASE (CMB) UNDER CONCRETE DRIVEWAYS WITHIN THE STREET DEDICATION AND UNDER CONCRETE SIDEWALK ADJACENT TO THE CURB.

37. CURB RAMPS SHALL BE CONSTRUCTED PER STANDARD PLAN S-442-3, CASE E, UNLESS OTHERWISE SHOWN ON THE PLAN.

38. CITY-OWNED TRANSIT SHELTERS, PUBLIC AMENITY KIOSKS, AND NEWSSTAND VENDING KIOSKS: CONTRACTOR SHALL ARRANGE AND PAY FOR THE REMOVAL AND/OR TEMPORARY RELOCATION OF ANY CITY OWNED TRANSIT SHELTER, PUBLIC AMENITY KIOSK, AND NEWSSTAND VENDING KIOSK (CITY-OWNED STREET FURNITURE), BY CONTACTING GUILLERMO GONZALEZ OF CBS DECAUX, LLC AT (213) 608-0872 OR (866) 633-0068. CONTRACTOR SHALL NOTIFY CBS DECAUX, LLC, OF ITS NEED TO RELOCATE CITY-OWNED STREET FURNITURE A MINIMUM OF 6 WEEKS PRIOR TO THE REQUIRED REMOVAL/RELOCATION DATE. UPON BEING CONTACTED BY CONTRACTOR, CBS DECAUX LLC WILL INVESTIGATE THE STREET FURNITURE SITE AND DEVELOP AN INVOICE FOR ITS COSTS TO REMOVE AND/OR RELOCATE THE STREET FURNITURE. UPON RECEIPT OF FULL PAYMENT FOR ITS INVOICED COSTS FROM CONTRACTOR, CBS DECAUX, LLC WILL ARRANGE FOR THE SUBJECT STREET FURNITURE TO BE REMOVED, TYPICALLY WITHIN 2 WEEKS. CITY-OWNED STREET FURNITURE ARE PROPRIETARY AND CAN ONLY BE REMOVED/RELOCATED BY THE CITY'S VENDOR, CBS DECAUX, LLC. FAILURE TO FOLLOW THE ABOVE NOTED PROTOCOL MAY RESULT IN PROJECT DELAYS, ISSUANCE OF NOTICES OF NON-COMPLIANCE, CITATIONS, FINES, AND POSSIBLE CRIMINAL PROSECUTION AS DETERMINED BY THE BOARD OF PUBLIC WORKS.

12345678910111213141516

INDEX TO SHEETS

SHT NO	PLANS DESCRIPTION	FROM	TO
1	TITLE SHEET		
2	KEY MAP AND GENERAL PROJECT INFORMATION		
3	TYPICAL SECTIONS, CONSTRUCTION NOTES & SYMBOL LEGEND		
4	HORIZONTAL CONTROL PLAN	JEFFERSON BLVD	EASTHAM DRIVE
5	UTILITY COMPOSITE AND DISPOSITION PLAN	JEFFERSON BLVD	EASTHAM DRIVE
6	STREET HIGUERA STREET (CULVER CITY) (FOR REFERENCE ONLY)	84' EAST OF EASTHAM DRIVE	398' EAST OF EASTHAM DR
7	RODEO ROAD (LOS ANGELES)	38' WEST OF JEFFERSON BLVD	246' WEST OF JEFFERSON BLVD
	HIGUERA STREET (LOS ANGELES) (REFERENCE ONLY)	246' WEST OF JEFFERSON BLVD	270' WEST OF JEFFERSON BLVD
8	STORM DRAIN IMPROVEMENTS		
9	PAVEMENT DELINEATION PLAN (REFERENCE ONLY)		
10	CIVIL DETAILS		
11	REVOCABLE PERMIT (REFERENCE ONLY)		
12	TRAFFIC AND LIGHTING TRAFFIC SIGNAL MODIFICATIONS PLANS		
13-14	STREET LIGHTING PLANS		
15-19	WORK SITE TRAFFIC CONTROL PLANS		
20	NOT USED		
21-43	STRUCTURAL STRUCTURAL BRIDGE PLANS & DETAILS (REFERENCE ONLY)		

12345678910111213141516

NOTICE TO CONTRACTORS (CONTINUED)

DETOUR/ WTCP PLAN REQUIRED: THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION (OR LATEST CITY ADOPTED EDITION). TRAFFIC LANE CLOSURES FOR THIS PROJECT REQUIRES WORKSITE SIGNING AND STRIPING PLANS (WORKSITE TRAFFIC CONTROL PLANS (WTCP)). THE WTCP SHALL SHOW TYPICAL LANE CLOSURES AND PROPOSED TEMPORARY TRAFFIC CONTROL DEVICES. THE WTCP SHALL BE SUBMITTED IN FINAL DRAFT FORM AT LEAST TEN (10) WORK DAYS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) AT (213) 972-8607 TO ARRANGE FOR PLAN REVIEW. ANY DEVIATION FROM THE APPROVED WTCP FOR BR003512 SHALL BE SUBMITTED IN WRITING AND RECEIVE APPROVAL FROM THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) PRIOR TO IMPLEMENTATION.

THE CONTRACTOR SHALL NOTIFY LADOT'S SPECIAL TRAFFIC CONTROL DIVISION AT (213) 485-2298, FOUR (4) WORK DAYS PRIOR TO THE START OF CONSTRUCTION FOR THE POSTING OF TEMPORARY "TOW AWAY NO STOPPING" SIGNS.

TRAFFIC CONTROL DEVICES MAINTENANCE: THE B-PERMITTEE SHALL PAY FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL MISSING, DAMAGED AND NECESSARY TRAFFIC CONTROL DEVICES (I.E., SIGNS, CURB MARKINGS, SPEED HUMPS, STAMPED CROSSWALKS, PARKING METERS, ETC.). THE CONTRACTOR WILL BE REQUIRED TO PHYSICALLY INSTALL SOME OR ALL THE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF LADOT. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED UTILIZING THERMOPLASTIC MATERIALS PER LADOT SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT LADOT'S CITYWIDE INVESTIGATIONS AT (213) 928-9625 PRIOR TO COMMENCING ANY WORK THAT REQUIRES TRAFFIC CONTROL DEVICES MAINTENANCE.

FOR TRAFFIC RELATED QUESTIONS DURING CONSTRUCTION, PLEASE CONTACT LADOT'S HOLLYWOOD- WILSHIRE DISTRICT OFFICE, AT (323) 957-6843.

ADDITIONAL CENTRAL DISTRICT B-PERMIT OFFICE NOTES:

18. TREES AND TREE WELLS - ADDITIONAL NOTES

A. CONTRACTOR SHALL CONTACT THE URBAN FORESTRY DIVISION AT (213) 847-3088 FIVE (5) WORKING DAYS PRIOR TO SIDEWALK CONSTRUCTION TO ALLOW FOR TREE SITE MARKING.

B. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD APPROVAL MAY TAKE FROM 30-90 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED.

C. WARNING TO B PERMITTEE: AS STATED, STREET TREE REMOVAL FOR ANY REASON, INCLUDING BUT NOT LIMITED TO STREET WIDENING, DRIVEWAY INSTALLATION, SIDEWALK RECONSTRUCTION, ETC, REQUIRES A TREE REMOVAL PERMIT APPROVED BY THE BOARD OF PUBLIC WORKS. STREET TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR B PERMIT VOID.

D. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD APPROVAL MAY TAKE FROM 30-90 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL PERMIT OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED.

F. WARNING TO B PERMITTEE: AS STATED, STREET TREE REMOVAL FOR ANY REASON, INCLUDING BUT NOT LIMITED TO STREET WIDENING, DRIVEWAY INSTALLATION, SIDEWALK RECONSTRUCTION, ETC, REQUIRES A TREE REMOVAL PERMIT APPROVED BY THE BOARD OF PUBLIC WORKS. STREET TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR B PERMIT VOID.

G. TREE PRESERVATION: THE URBAN FORESTRY DIVISION MAY DETERMINE STREET TREES DO NOT REQUIRE REMOVAL FOR COMPLETION OF PROJECT PLANS. THE DIVISION MAY REQUIRE SUBJECT STREET TREES BE PRESERVED IN PLACE. ROOT PRUNING AND CROWN PRUNING MAY ALSO BE REQUIRED.

IF THE DIVISION REQUIRES TREE PRESERVATION AND ROOT PRUNING, A ROOT PRUNE PERMIT SHALL BE ISSUED TO PERMITTEE. ROOT PRUNING SHALL BE PERFORMED PER THE INSTRUCTIONS CONTAINED ON THE ROOT PRUNING PERMIT.

IF THE DIVISION REQUIRES TREE CROWN PRUNING IN ADDITION TO ROOT PRUNING, A TREE PRUNE PERMIT SHALL BE PROVIDED TO PERMITTEE. TREE PRUNING SHALL BE IN COMPLIANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A 300 GUIDELINES.

THE ROOT OR CROWN PRUNE PERMIT OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED. ROOT OR CROWN PRUNING WITHOUT A PERMIT IS A MISDEMEANOR.

19. SPECIAL NOTE: THE CONTRACTOR SHALL HAVE GRADE SHEETS AND DESIGN CHANGES APPROVED BY THE PRIVATE ENGINEER OF RECORD.

20. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF STANDARD PLAN S-601-1 (BOXES AND/OR COVERS FOR VAULTS, PULLBOXES, MANHOLES, TREEWELLS AND SIMILAR INSTALLATIONS). WHEN THE CONTRACTOR SELECTS PRODUCT/COMPANY ITEMS THAT ARE NOT INCLUDED IN THE "STANDARD PLAN S-601 PRODUCTS" LIST ([HTTP://ENG.LACITY.ORG/TECHDOCS/PRODUCT_MATERIAL/PRODUCT_MATERIALS.HTM](http://eng.lacity.org/techdocs/product_material/product_materials.htm)), THE ENGINEER SHALL FIRST CONTACT DESIGN STANDARDS AND INVESTIGATION GROUP (DSIG) OF BUREAU OF ENGINEERING (213) 485-5310 (OR 5311) FOR PRE-APPROVAL OF PRODUCTS PRIOR TO CONTACTING CONTRACT ADMINISTRATION FOR AN INSPECTION.

21. WHEN A B-PERMIT PROJECT IS NEARING CONSTRUCTION COMPLETION OR UPON RECEIVING THE STATEMENT OF COMPLETION FORM FROM THE PUBLIC WORKS INSPECTOR'S OFFICE (CON ADMIN), THE CONTRACTOR SHALL:

A) NOTIFY THE B-PERMIT PRIVATE ENGINEER OF RECORD TO PREPARE AND SUBMIT "AS-BUILT" PLANS TO CENTRAL DISTRICT B-PERMIT OFFICE. (FOR ALL LAUSD PROJECTS, B-PERMIT OFFICE PRE-APPROVAL OF AS-BUILT PLANS IS REQUIRED FIRST PRIOR TO SCHEDULING FOR A FINAL INSPECTION).

B) PROVIDE ICA CHANGE ORDERS SIGNED BY ALL OFFICES TO THE B-PERMIT PRIVATE ENGINEER OF RECORD.

C) UNLESS OTHERWISE INDICATED, B-PERMIT PRIVATE ENGINEER OF RECORD IS RESPONSIBLE FOR PREPARING CITY-WIDE POLICY "ELECTRONIC AS-BUILT" PLANS IN COORDINATION WITH THE CONTRACTOR. "ELECTRONIC AS-BUILT" PLANS MUST BE PREPARED BASED ON THE CITY ORIGINAL INDEX PLANS AVAILABLE FROM CITY'S WEBSITE: [HTTP://ENGVAULT.LACITY.ORG/APPS/VAULT/INDEX.HTM](http://engvault.lacity.org/apps/vault/index.htm). INSTRUCTION SHEETS ARE ALSO AVAILABLE FOR PICK UP FROM FRONT LOBBY OF THE CENTRAL DISTRICT B-PERMIT OFFICE LOCATED AT 201 N. FIGUEROA STREET, ROOM 770.

22. CONSTRUCTION COMPLETION OF NON-STANDARD IMPROVEMENTS ASSOCIATED WITH R-PERMIT REFERENCE NUMBER 2014000207, PERMITTEE SHALL PROVIDE A COPY OF CONTRACT ADMINISTRATIVE OFFICE ISSUED "STATEMENT OF COMPLETION" FORM TO R-PERMIT OFFICE STAFF LOCATED AT 201 N. FIGUEROA STREET, 3RD FLOOR (213-482-7030).

12345678910111213141516

NOTICE TO CONTRACTORS (CONTINUED)

23. PEAK HOUR TRAFFIC RESTRICTIONS ON CITY STREETS: ALL TRAFFIC LANES IN MAJOR, SECONDARY AND COLLECTOR DESIGNATED STREETS SHALL BE UNOBSTRUCTED FROM 6 AM TO 9 AM AND FROM 3:30 PM TO 7 PM.

SEWER CONSTRUCTION - ADDITIONAL NOTES

24. ALL SEWER MANHOLES SHOWN HEREON TO BE ADJUSTED TO GRADE SHALL BE ADJUSTED TO FINISHED GRADE IN ACCORDANCE WITH STANDARD PLAN S-137.

STORM DRAIN CONSTRUCTION - ADDITIONAL NOTES

25. TRENCH BACKFILL FOR ALL STORM DRAINS CONSTRUCTED IN DRAINAGE EASEMENTS SHALL BE MECHANICALLY COMPACTED TO A RELATIVE DENSITY OF 90%.

26. PROTECTION BARS SHALL BE INSTALLED ON ALL SIDE OPENING CATCH BASINS UNLESS INDICATED OTHERWISE ON PLAN.

27. LOCATIONS OF EXISTING HOUSE CONNECTION SEWERS SHOWN HEREON ARE APPROXIMATE. IF INTERFERENCE IS ENCOUNTERED, REMODEL THE HOUSE CONNECTION IN CONFORMANCE WITH THE APPLICABLE DETAIL ON STANDARD PLAN S-111-0.

28. TRENCH RESURFACING SHALL BE 6" AC ON 8" CMB.

29. SPACE BETWEEN THE BACK OF SIDE OPENING CATCH BASINS AND EXISTING SIDEWALK, IF LESS THAN 2 FEET, SHALL BE FILLED WITH 3" CONCRETE SIDEWALK PLACED MONOLITHICALLY WITH THE TOP SLAB OF THE CATCH BASIN.

30. APWA STANDARD PLANS FOR CONSTRUCTION PER BUREAU OF ENGINEERING SPECIAL ORDER NO. 007-0701, DATED JULY 16, 2001.

STREET IMPROVEMENTS - ADDITIONAL NOTES

31. GRADING REQUIRED ON PRIVATE PROPERTY OUTSIDE THE STREET OR ALLEY DEDICATION, IN CONNECTION WITH THIS IMPROVEMENT, SHALL BE PERFORMED EITHER WITHIN DEDICATED SLOPE EASEMENTS OR IN AREAS FOR WHICH SATISFACTORY RIGHTS-OF-ENTRY HAVE BEEN OBTAINED.

32. DRAINAGE FROM ALL LOTS SHALL BE CARRIED TO THE IMPROVED GUTTER BY MEANS OF A DRIVEWAY, APPROVED OUTLET STRUCTURE, OR SIDEWALK DRAIN (SECTION 306-7 GREENBOOK).

33. PAVING OF ROADWAY AREAS SHALL BE WITHHELD UNTIL THE SEWER AND STORM DRAIN WORK HAS BEEN APPROVED BY UNDERGROUND FINAL INSPECTION.

34. DRIVEWAYS SHALL BE CONSTRUCTED PER STANDARD PLAN S-440-4, CASE 2, X=4', Y=8', AND t=6", UNLESS OTHERWISE SHOWN ON THE PLAN.

35. WHERE TWO STREETS OF UNEQUAL BASE AND PAVEMENT THICKNESS INTERSECT, THE ENTIRE INTERSECTION TO THE E.C.R.'S SHALL BE PAVED WITH THE GREATER THICKNESS OF BASE AND PAVEMENT.

36. PLACE 4" OF CRUSHED MISCELLANEOUS BASE (CMB) UNDER CONCRETE DRIVEWAYS WITHIN THE STREET DEDICATION AND UNDER CONCRETE SIDEWALK ADJACENT TO THE CURB.

37. CURB RAMPS SHALL BE CONSTRUCTED PER STANDARD PLAN S-442-3, CASE E, UNLESS OTHERWISE SHOWN ON THE PLAN.

38. CITY-OWNED TRANSIT SHELTERS, PUBLIC AMENITY KIOSKS, AND NEWSSTAND VENDING KIOSKS: CONTRACTOR SHALL ARRANGE AND PAY FOR THE REMOVAL AND/OR TEMPORARY RELOCATION OF ANY CITY OWNED TRANSIT SHELTER, PUBLIC AMENITY KIOSK, AND NEWSSTAND VENDING KIOSK (CITY-OWNED STREET FURNITURE), BY CONTACTING GUILLERMO GONZALEZ OF CBS DECAUX, LLC AT (213) 608-0872 OR (866) 633-0068. CONTRACTOR SHALL NOTIFY CBS DECAUX, LLC, OF ITS NEED TO RELOCATE CITY-OWNED STREET FURNITURE A MINIMUM OF 6 WEEKS PRIOR TO THE REQUIRED REMOVAL/RELOCATION DATE. UPON BEING CONTACTED BY CONTRACTOR, CBS DECAUX LLC WILL INVESTIGATE THE STREET FURNITURE SITE AND DEVELOP AN INVOICE FOR ITS COSTS TO REMOVE AND/OR RELOCATE THE STREET FURNITURE. UPON RECEIPT OF FULL PAYMENT FOR ITS INVOICED COSTS FROM CONTRACTOR, CBS DECAUX, LLC WILL ARRANGE FOR THE SUBJECT STREET FURNITURE TO BE REMOVED, TYPICALLY WITHIN 2 WEEKS. CITY-OWNED STREET FURNITURE ARE PROPRIETARY AND CAN ONLY BE REMOVED/RELOCATED BY THE CITY'S VENDOR, CBS DECAUX, LLC. FAILURE TO FOLLOW THE ABOVE NOTED PROTOCOL MAY RESULT IN PROJECT DELAYS, ISSUANCE OF NOTICES OF NON-COMPLIANCE, CITATIONS, FINES, AND POSSIBLE CRIMINAL PROSECUTION AS DETERMINED BY THE BOARD OF PUBLIC WORKS.

12345678910111213141516

INDEX TO SHEETS

SHT NO	PLANS DESCRIPTION	FROM	TO
1	TITLE SHEET		
2	KEY MAP AND GENERAL PROJECT INFORMATION		
3	TYPICAL SECTIONS, CONSTRUCTION NOTES & SYMBOL LEGEND		
4	HORIZONTAL CONTROL PLAN	JEFFERSON BLVD	EASTHAM DRIVE
5	UTILITY COMPOSITE AND DISPOSITION PLAN	JEFFERSON BLVD	EASTHAM DRIVE
6	STREET HIGUERA STREET (CULVER CITY) (FOR REFERENCE ONLY)	84' EAST OF EASTHAM DRIVE	398' EAST OF EASTHAM DR
7	RODEO ROAD (LOS ANGELES)	38' WEST OF JEFFERSON BLVD	246' WEST OF JEFFERSON BLVD
	HIGUERA STREET (LOS ANGELES) (REFERENCE ONLY)	246' WEST OF JEFFERSON BLVD	270' WEST OF JEFFERSON BLVD
8	STORM DRAIN IMPROVEMENTS		
9	PAVEMENT DELINEATION PLAN (REFERENCE ONLY)		
10	CIVIL DETAILS		
11	REVOCABLE PERMIT (REFERENCE ONLY)		
12	TRAFFIC AND LIGHTING TRAFFIC SIGNAL MODIFICATIONS PLANS		
13-14	STREET LIGHTING PLANS		
15-19	WORK SITE TRAFFIC CONTROL PLANS		
20	NOT USED		
21-43	STRUCTURAL STRUCTURAL BRIDGE PLANS & DETAILS (REFERENCE ONLY)		

12345678910111213141516

NOTICE TO CONTRACTORS (CONTINUED)

DETOUR/ WTCP PLAN REQUIRED: THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION (OR LATEST CITY ADOPTED EDITION). TRAFFIC LANE CLOSURES FOR THIS PROJECT REQUIRES WORKSITE SIGNING AND STRIPING PLANS (WORKSITE TRAFFIC CONTROL PLANS (WTCP)). THE WTCP SHALL SHOW TYPICAL LANE CLOSURES AND PROPOSED TEMPORARY TRAFFIC CONTROL DEVICES. THE WTCP SHALL BE SUBMITTED IN FINAL DRAFT FORM AT LEAST TEN (10) WORK DAYS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) AT (213) 972-8607 TO ARRANGE FOR PLAN REVIEW. ANY DEVIATION FROM THE APPROVED WTCP FOR BR003512 SHALL BE SUBMITTED IN WRITING AND RECEIVE APPROVAL FROM THE LADOT CITYWIDE TEMPORARY TRAFFIC CONTROL (CTTC) PRIOR TO IMPLEMENTATION.

THE CONTRACTOR SHALL NOTIFY LADOT'S SPECIAL TRAFFIC CONTROL DIVISION AT (213) 485-2298, FOUR (4) WORK DAYS PRIOR TO THE START OF CONSTRUCTION FOR THE POSTING OF TEMPORARY "TOW AWAY NO STOPPING" SIGNS.

TRAFFIC CONTROL DEVICES MAINTENANCE: THE B-PERMITTEE SHALL PAY FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL MISSING, DAMAGED AND NECESSARY TRAFFIC CONTROL DEVICES (I.E., SIGNS, CURB MARKINGS, SPEED HUMPS, STAMPED CROSSWALKS, PARKING METERS, ETC.). THE CONTRACTOR WILL BE REQUIRED TO PHYSICALLY INSTALL SOME OR ALL THE TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF LADOT. THE ENTIRE COST THEREOF SHALL BE BORNE BY THE CONTRACTOR. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE INSTALLED UTILIZING THERMOPLASTIC MATERIALS PER LADOT SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT LADOT'S CITYWIDE INVESTIGATIONS AT (213) 928-9625 PRIOR TO COMMENCING ANY WORK THAT REQUIRES TRAFFIC CONTROL DEVICES MAINTENANCE.

FOR TRAFFIC RELATED QUESTIONS DURING CONSTRUCTION, PLEASE CONTACT LADOT'S HOLLYWOOD- WILSHIRE DISTRICT OFFICE, AT (323) 957-6843.

ADDITIONAL CENTRAL DISTRICT B-PERMIT OFFICE NOTES:

18. TREES AND TREE WELLS - ADDITIONAL NOTES

A. CONTRACTOR SHALL CONTACT THE URBAN FORESTRY DIVISION AT (213) 847-3088 FIVE (5) WORKING DAYS PRIOR TO SIDEWALK CONSTRUCTION TO ALLOW FOR TREE SITE MARKING.

B. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD APPROVAL MAY TAKE FROM 30-90 DAYS DEPENDING UPON PROJECT COMPLEXITY. IF APPROVED, THE TREE REMOVAL OR COPY SHALL BE AT THE JOB SITE WHILE TREE WORK IS BEING PERFORMED.

C. WARNING TO B PERMITTEE: AS STATED, STREET TREE REMOVAL FOR ANY REASON, INCLUDING BUT NOT LIMITED TO STREET WIDENING, DRIVEWAY INSTALLATION, SIDEWALK RECONSTRUCTION, ETC, REQUIRES A TREE REMOVAL PERMIT APPROVED BY THE BOARD OF PUBLIC WORKS. STREET TREE REMOVAL WITHOUT A REMOVAL PERMIT IS A MISDEMEANOR. FAILURE TO DISCLOSE THE EXISTENCE OF A STREET TREE MAY RENDER YOUR B PERMIT VOID.

D. TREE REMOVAL: PRIOR TO ANY STREET TREE REMOVAL, A TREE REMOVAL PERMIT APPLICATION SHALL BE SUBMITTED TO THE URBAN FORESTRY DIVISION. STREET TREE REMOVAL PERMITS REQUIRE APPROVAL BY THE BOARD OF PUBLIC WORKS. BOARD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

1. FOR CITY OF CULVER CITY ROADWAY IMPROVEMENTS SEE SHEET 5.
2. FOR CITY OF LOS ANGELES ROADWAY IMPROVEMENTS SEE SHEET 6.
3. FOR CITY OF LOS ANGELES AND CULVER CITY STORM DRAIN IMPROVEMENTS SEE SHEET 8.

THIS SURVEY HAS BEEN PREPARED FOR DESIGN PURPOSES

4. BEFORE USING THIS MAP FOR DESIGN OR CONSTRUCTION PURPOSES, ALL EASEMENTS RECORD AND SETBACK LINES DEFINED IN COVENANTS, CONDITIONS AND RESTRICTIONS OF RECORD AFFECTING THIS PROPERTY SHOULD BE PLOTTED ON THIS MAP FROM A CURRENT TITLE REPORT. IF NO TITLE REPORT WAS FURNISHED, OUR CLIENT IS URGED TO FURNISH CURRENT TITLE REPORT SO THAT THESE EASEMENT AND SETBACK LINES OF RECORD CAN BE PLOTTED ON THIS MAP.
5. THIS MAP SHOULD BE EXPANDED TO MEET ALTA REQUIREMENTS IF FINANCING IS TO BE OBTAINED FOR THE PROJECT, REQUIRING AN EXTENDED COVERAGE POLICY OF TITLE INSURANCE.
6. THIS SURVEY DOES NOT INCLUDE EASEMENTS EXCEPT THOSE SPECIFICALLY DELINEATED HEREON.
7. IF UNDERGROUND PUBLIC UTILITIES AND OTHER SUBSTRUCTURES, ZONES, SET BACK AND STREET WIDENING DATA ARE SHOWN HEREON, IT IS FOR INFORMATION ONLY, HAVING BEEN OBTAINED FROM A GENERAL REQUEST AT THE LOCAL AGENCY'S PUBLIC COUNTER AND/OR OTHER SOURCES NOT CONNECTED WITH THIS COMPANY. NO REPRESENTATION IS MADE AS TO THE ACCURACY, CURRENCY OR COMPLETENESS OF SAID INFORMATION AND ANY USERS OF SAID INFORMATION IS URGED TO CONTACT THE UTILITY OR LOCAL AGENCY DIRECTLY.

BOUNDARY LINES.....THIS MAP REPRESENTS A GRAPHICAL DEPICTION OF THE BOUNDARY OF THE SITE AND ADJOINING RIGHTS OF WAY BASED UPON COUNTY OF LOS ANGELES ASSESSOR MAPS AND OTHER PUBLIC RECORDS AND DOES NOT REPRESENT A FIELD SURVEY. THIS MAP IS INTENDED FOR FEASIBILITY AND PRELIMINARY PLANNING PURPOSES AND SHOULD NOT BE RELIED ON AS AN ACCURATE SURVEY OF THE PROPERTY LINES AND RIGHTS OF WAY.

LEGAL DESCRIPTION.....NON PROVIDED
EASEMENTS.....NON PLOTTED
TITLE REPORT.....NON PROVIDED

TOPOGRAPHY.....BY PHOTOGRAMMETRIC PROCESSES FROM AERIAL PHOTOGRAPHY DATED JUNE 20, 2011, AND COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.

HORIZONTAL CONTROL.....STATE PLANE COORDINATES, CALIFORNIA COORDINATE SYSTEM ZONE 5 BASED ON NAD83 (NRSR2007). THE HORIZONTAL COORDINATE VALUES SHOWN HEREON ARE BASED UPON LOCAL CONTROL POINTS AND DERIVED FROM THE GPS STATIC OBSERVATIONS UTILIZING DATA FROM THE CALIFORNIA INTEGRATED GPS NETWORK (SCIGN) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "UCLP" (NGS PID: AJ4475), "FXHS" (NGS PID: AJ1866), "WRHS" (NGS PID: AJ1940) AND "NOPK" (NOS PIO: AJ1897).

BASIS OF BEARINGS.....THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5 NAD 83 (EPOCH 2007.0) AS DETERMINED LOCALLY BY A LINE BETWEEN STA #112 AND STA #111 SHOWN AS SOUTH 86°25'12" EAST HEREON.

VERTICAL CONTROL.....VERTICAL VALUES SHOWN HEREON ARE BASED UPON NORTH AMERICAN
VERTICAL DATUM OF 1988 (NAVD88) UTILIZING COUNTY OF LOS ANGELES
AND CITY OF LOS ANGELES BENCHMARKS LISTED BELOW:

COUNTY OF LA BENCHMARK NO: Y9331, WATTS QUAD, BEING RDBM TAG IN
NE COR C.B. 6 JEFFERSON BL & HETZLER RD 12.2M(40FT) S/O &
9.8M(32FT) W/O APPROX C/L INT HAVING ELEVATION VALUE OF 79.800 FEET
2005 ADJUSTMENT.

COUNTY OF LA BENCHMARK NO: Y10987, WATTS QUAD, BEING L< HD SPIK
IN W CB CI BOR N SW COR JEFFERSON BL & HOLDREGE AVE (N END C.B.)
HAVING ELEVATION VALUE OF 85.247 FEET, 2005 ADJUSTMENT.

COUNTY OF LA BENCHMARK NO: Y11349, WATTS QUAD, BEING LRG SPK IN W
CB N S END C.B. 6.3M(20.7FT) S/O BOR N SW COR RODEO RD & LA
CIENEGA BL HAVING ELEVATION VALUE OF 89.371 FEET 2005 ADJUSTMENT.

CITY OF LA BENCH MARK NO: 13--00910, SQ SPIKE IN CURB RODEO RD, 29 FT E OF
E CURB LINE PROD OF LENAAVE AVE; W END CB HAVING ELEVATION VALUE OF
94.494 FEET 2000 ADJUSTMENT.

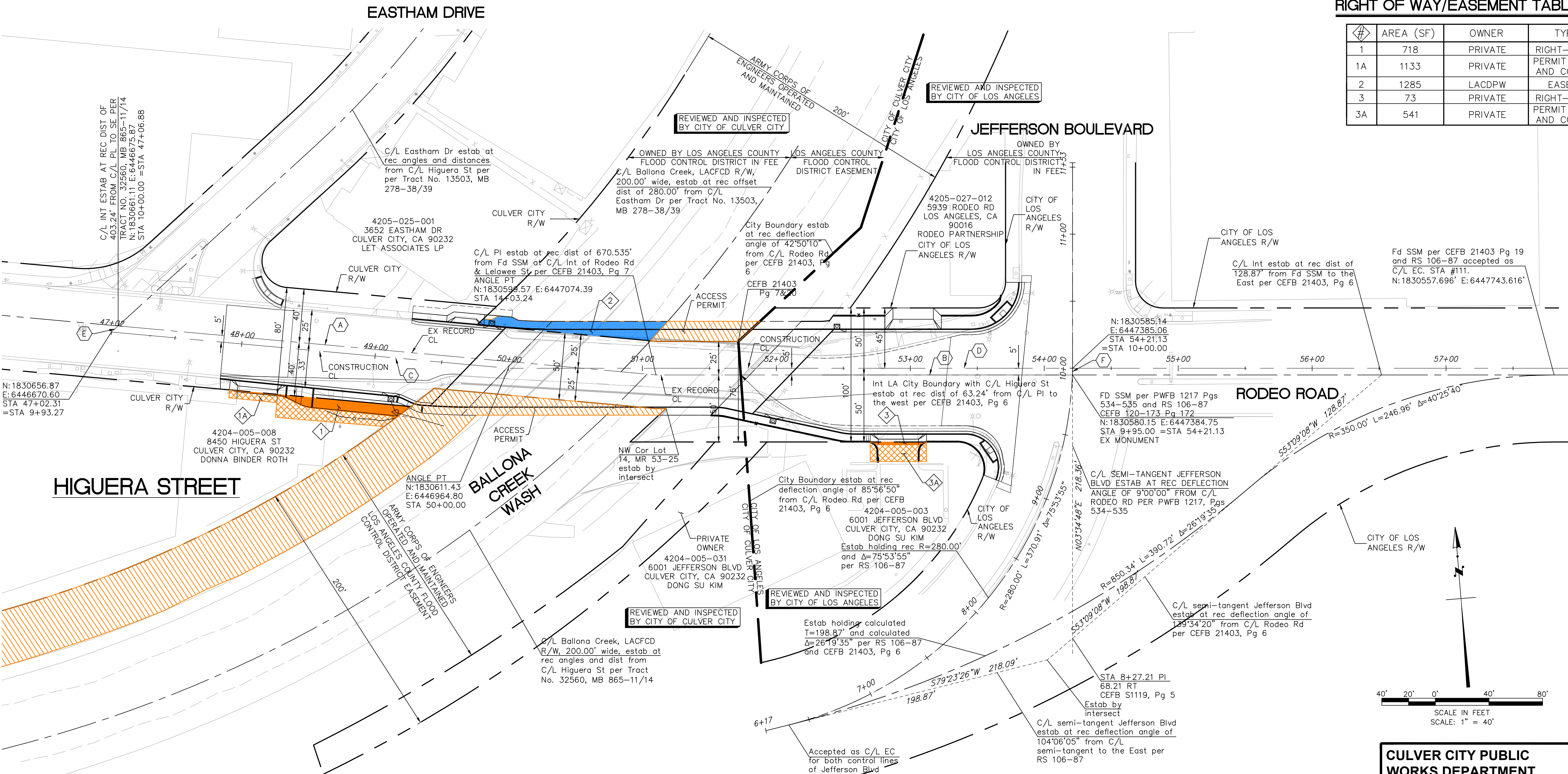
CITY OF LA BENCH MARK NO: 13--00930, WIRE SPIKE IN CURB HIGUERA ST, 32 FT W
OF E END OF BRIDGE ACROSS BALLONA CREEK HAVING ELEVATION VALUE OF 83.205
FEET 2000 ADJUSTMENT.

AERIAL SURVEY.....THIS SURVEY WAS PREPARED BY PHOTOGRAMMETRIC PROCESSES, UTILIZING
AERIAL PHOTOGRAPHY DATED JUNE 20, 2011. THE OUTLINE OF BUILDINGS
AND OTHER ROOFED IMPROVEMENTS, MAY INCLUDE EAVES, CANOPIES AND
BALCONIES, SINCE BUILDINGS BELOW THESE ITEMS ARE NOT VISIBLE TO THE
CAMERA.

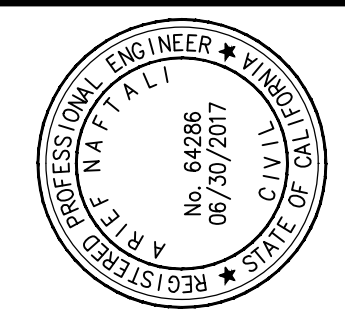
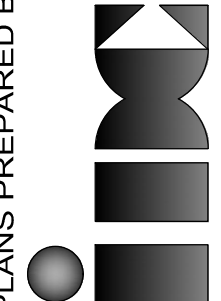
	RIGHT OF WAY
	CONSTRUCTION CENTERLINE
	EXISTING CENTERLINE
	RIGHT OF WAY
	EASEMENT
	PERMIT TO ENTER AND CONSTRUCT
	ACCESS PERMIT FROM LACDPW (LACFCD)

(#)	DELTA/BRG	RADIUS	LENGTH	TANGENT
A	N81°13'13"W	—	242.89'	—
B	N86°25'12"W	—	310.77'	—
C	N81°13'13"W	—	297.69'	—
D	N86°25'12"W	—	421.08'	—
E	N51°11'29"E	—	6.77'	—
F	N03°34'48"E	—	5.00'	—

	AREA (SF)	OWNER	TYPE
1	718	PRIVATE	RIGHT-OF-WAY
1A	1133	PRIVATE	PERMIT TO ENTER AND CONSTRUCT
2	1285	LACDPW	EASEMENT
3	73	PRIVATE	RIGHT-OF-WAY
3A	541	PRIVATE	PERMIT TO ENTER AND CONSTRUCT



DC Consulting Engineers, Inc.
33 WEST CERRITOS AVENUE,
NAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

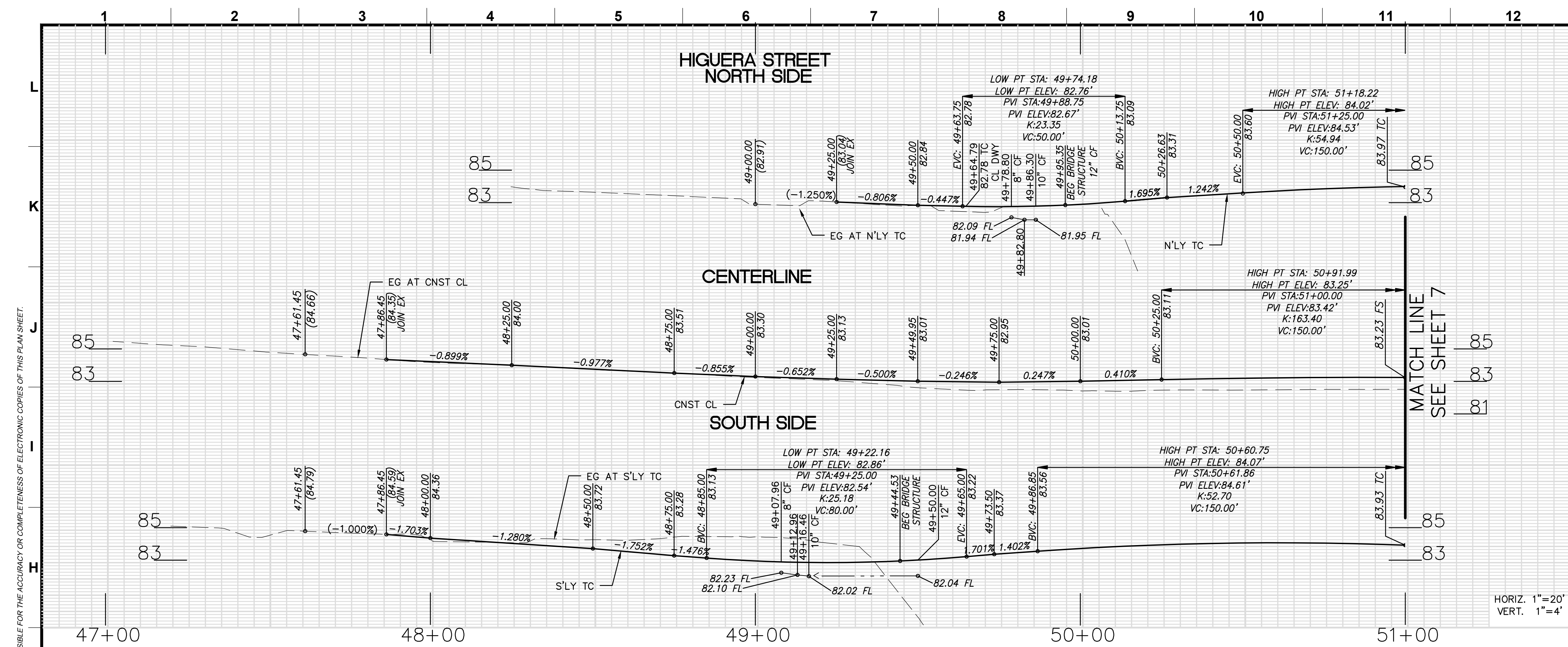


PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

9/23/2016
ARIEF NAFITALI P.E. 04286
DATE

CITY OF LOS ANGELES		DEPARTMENT OF PUBLIC WORKS		BUREAU OF ENGINEERING	
DRAWING NO. 4		SHEET 4 OF 43		INDEX NO.	
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE		DESIGN GROUP		BUREAU OF ENGINEERING	
SHEET TITLE: HORIZONTAL CONTROL PLAN		ENGINEER: ARIEF NAFTHALI, PE		OFFICE: CENTRAL DISTRICT	
PROJECT: RODEO RD FROM JEFFERSON TO 246' W/O		DESIGNED BY: VINCENT HELLENS		CHECKED BY: (PRINTED NAME)	
ADDRESS: HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD		DRAWN BY: STAFF		SIGNATURE: DATE:	
		CHECKED BY: ARIEF NAFTHALI, PE		WORK ACCEPTED	
		APPROVED BY: ARIEF NAFTHALI, PE		SERIAL NO.	
		07/15/16		B - PERMITS	
				BR003512	
				DATE: BY:	
				NO. REVISIONS:	
				ENGINEERING	
				CITY OF LOS ANGELES	





CONSTRUCTION NOTES:

- CONSTRUCT
 - EXISTING
 - REMOVE
 - REMODEL EXISTING
 - REMOVE & RECONSTRUCT
 - WORK BY OTHERS
- TYPE C INTEGRAL CURB & GUTTER (a=2', b=6")
 - CONCRETE DRIVEWAY (CASE 2, W PER PLAN)
 - CONCRETE WALK (t=4")
 - CONCRETE RAMP (CASE PER PLAN)
 - ASPHALT CONCRETE PAVEMENT (t=5")
 - CRUSHED MISCELLANEOUS BASE (t=8")
 - TREE (DIA=12")
 - COLDPLANE (MILL) AC PAVEMENT (t=2" MIN)
 - CURB DRAIN PER SPPWC STD PLAN 150-3 (d=4", CIP)
 - VARIABLE DEPTH AC PAVEMENT (t=2" MIN)
 - NEW #5 PULL BOX PER CALTRANS STD PLAN ES-8
 - RELOCATE STREET SIGN
 - RETAINING CURB (PER DETAIL ON SHEET 10)
 - LANDSCAPING
 - CONCRETE CLASS I BIKE PATH (2" AC/ 2" CMB)
 - CHAIN LINK FENCE
 - 2" RIGID GALVANIZED STEEL CONDUIT
 - TRAFFIC SIGNAL POLE AND FOUNDATION AS SHOWN
 - UNCLASSIFIED EXCAVATION

HATCH / LINE LEGEND

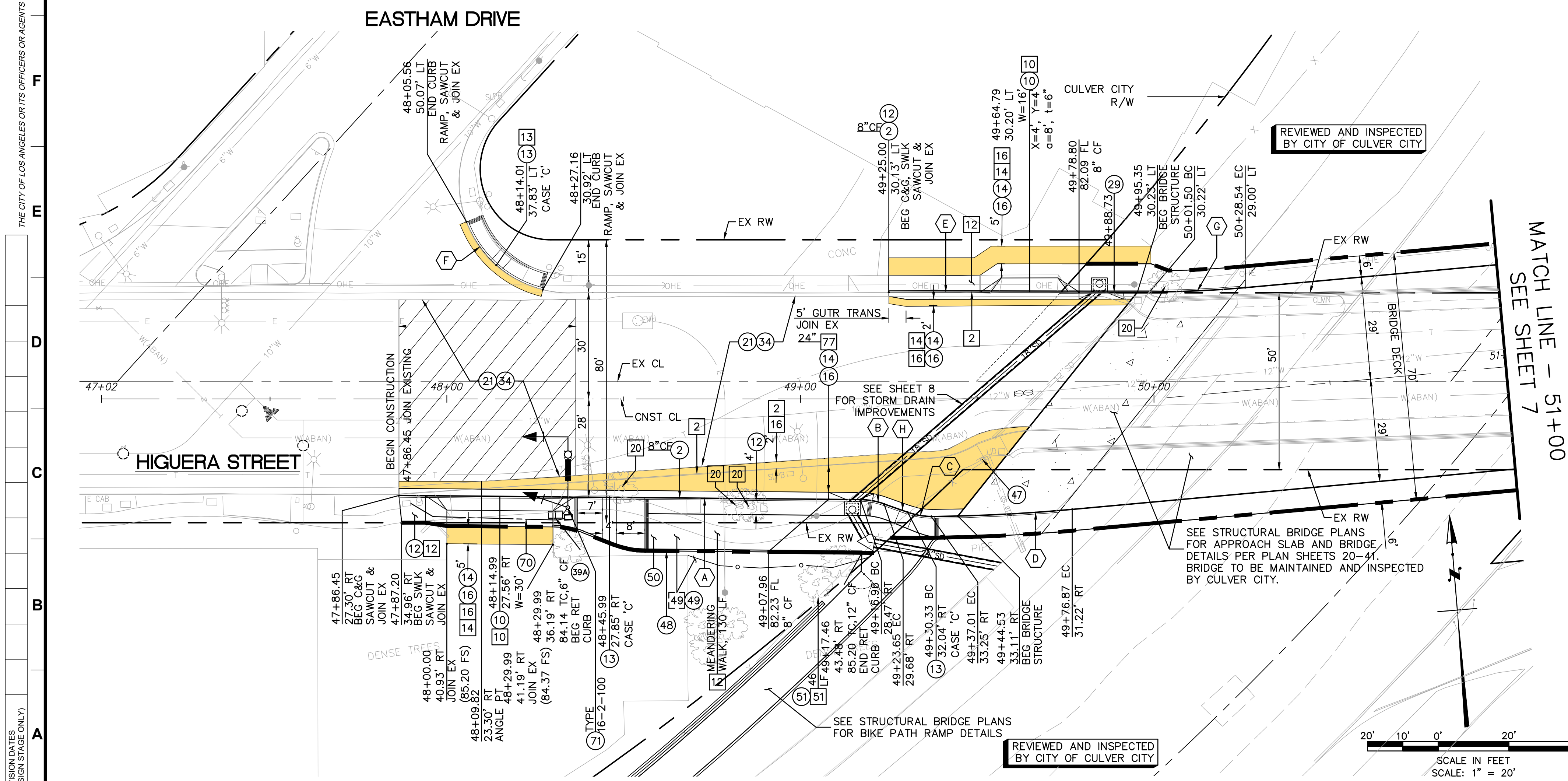
- COLD MILL, FINISH SURFACE AC PAVEMENT
- EXISTING ELECTRICAL
- EXISTING FIBER OPTIC
- EXISTING GAS
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- FULL DEPTH PAVEMENT
- EXISTING SANITARY SEWER
- EXISTING TELECOMMUNICATION
- EXISTING WATER
- EXISTING OVERHEAD ELECTRIC
- DAYLIGHT

GENERAL NOTES

- SEE SHEET 8 FOR STORM DRAIN AND LOCAL DEPRESSION DETAILS.

LINE / CURVE TABLE

#	DELTA/BRG	RADIUS	LENGTH	TANGENT	DESCRIPTION
A	N 80°42'24" W	-	130.53'	-	C&G
B	19°03'27"	20.53'	6.83'	3.45'	CURB RMP
C	19°03'27"	20.53'	6.83'	3.45'	CURB RMP
D	04°34'28"	500.00'	39.92'	19.97'	C&G
E	N 81°18'7" W	-	73.75'	-	C&G
F	55°27'12"	30.00'	29.04'	15.77'	CURB RMP
G	05°10'19"	300.00'	27.08'	13.55'	C&G
H	N 61°45'52" W	-	7.08'	-	CURB RMP

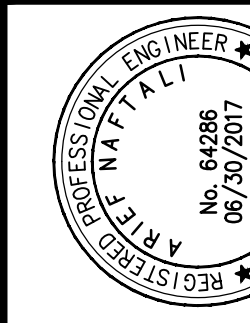
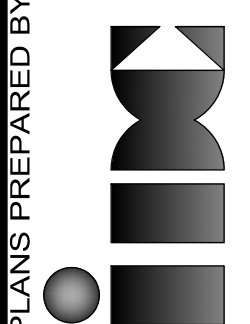


CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY :
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

PLANS PREPARED BY:
IDC Consulting Engineers, Inc.
203 WEST CERRITOS AVENUE,
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068



PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444
9/23/2016
ARIEF NATTALI, P.E. 64286

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:
/NO. REVISIONS:

SERIAL NO.
B - PERMITS
BR003512

INDEX NO.

BUREAU OF ENGINEERING
APPROVAL:

OFFICE: CENTRAL DISTRICT
CHECKED BY: (PRINTED NAME)

SIGNATURE: DATE:

DESIGN GROUP
PSOMAS

ENGINEER: ARIEF NATTALI, PE
DESIGNED BY: VINCENT HELLENS
DRAWN BY: STAFF
CHECKED BY: ARIEF NATTALI, PE
APPROVED BY: ARIEF NATTALI, PE

ROAD IMPROVEMENTS
STA 47+00 - STA 51+00

PROJECT: RODEO RD FROM JEFFERSON
TO 246' W/O

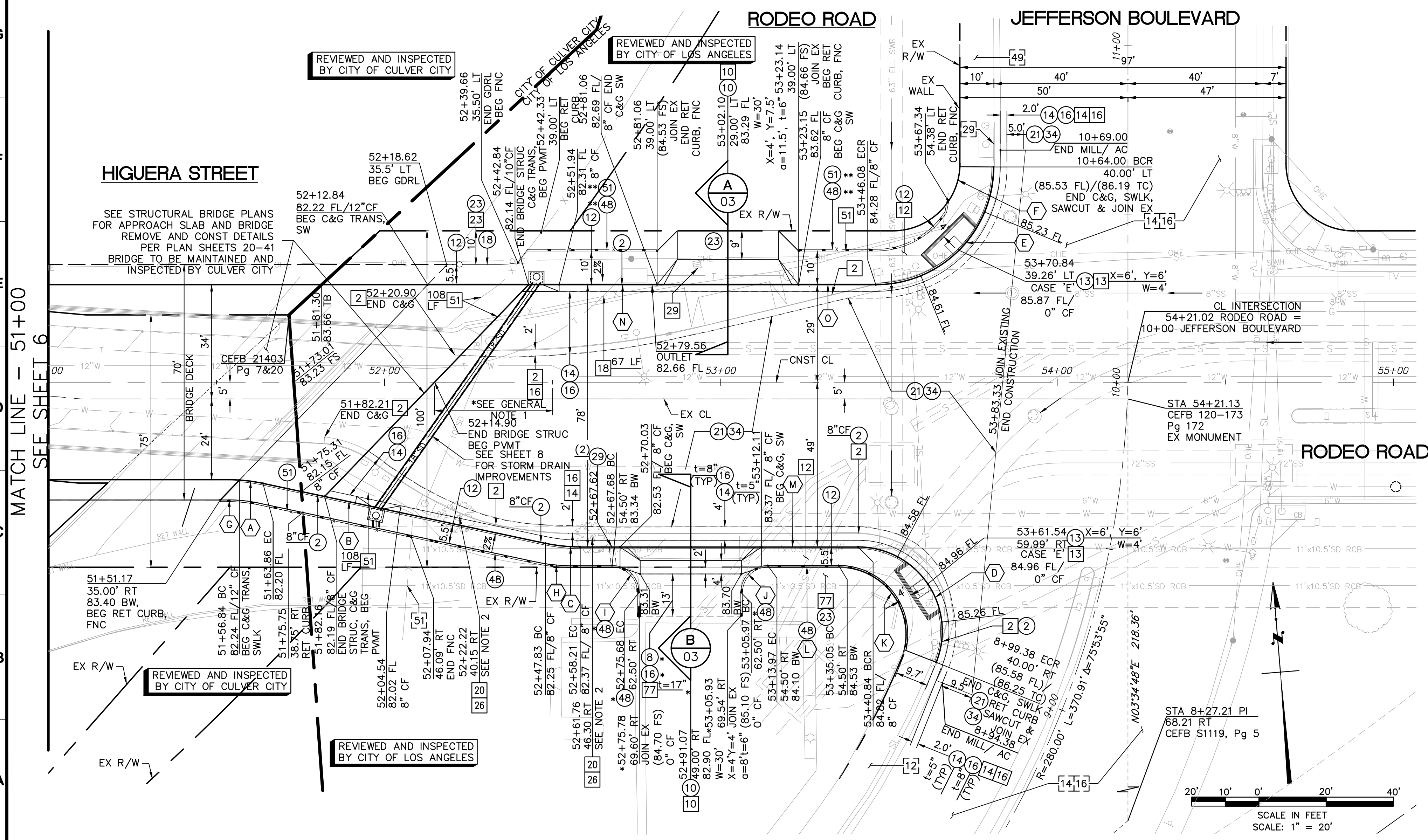
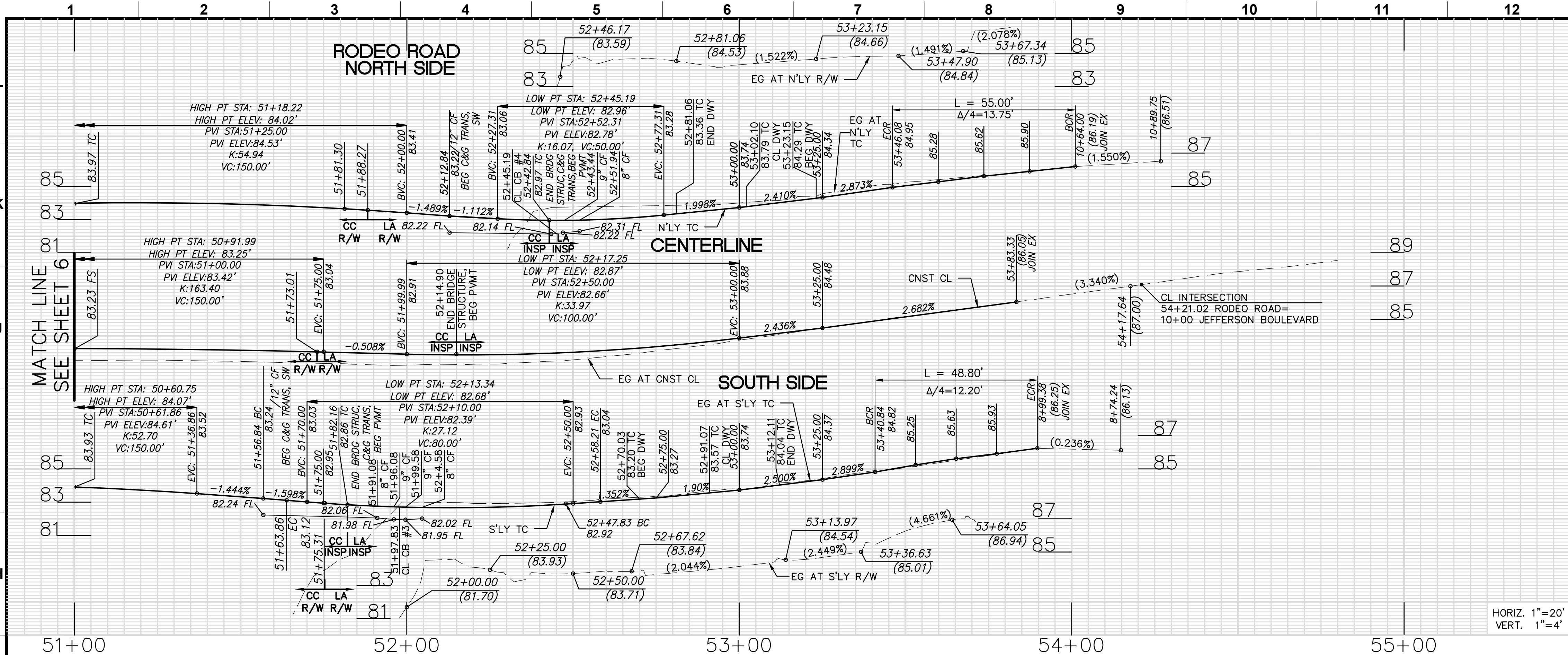
ADDRESS: HIGUERA STREET FROM EASTHAM DR
TO JEFFERSON BLVD

DRAWING NO.
6

SHEET 6 OF 43 SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICIALS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Sheet Version 6.0 - 2-2015



CONSTRUCTION NOTES:

- CONSTRUCT
 - EXISTING
 - REMOVE
 - REMODEL EXISTING
 - REMOVE & RECONSTRUCT
2. TYPE C INTEGRAL CURB & GUTTER (a=2', b=6")
 8. CONCRETE PAVEMENT (t=8", type=520-A-2500)
 10. CONCRETE DRIVEWAY (CASE 2, W PER PLAN)
 12. CONCRETE WALK (t=4")
 13. CONCRETE RAMP (CASE PER PLAN)
 14. ASPHALT CONCRETE PAVEMENT (t=5")
 16. CRUSHED MISCELLANEOUS BASE (t=8")
 18. METAL BEAM GUARDRAIL
 20. TREE (DIA=12")
 21. COLDPLANE (MILL) AC PAVEMENT (t=2" MIN)
 23. GRADE ONLY
 26. TREE WELL
 29. CURB DRAIN PER SPPWC STD PLAN 150-3 (d=4", CIP)
 34. VARIABLE DEPTH AC PAVEMENT (t=2" MIN)
 48. RETAINING CURB (PER DETAIL ON SHEET 10)
 49. LANDSCAPING
 51. CHAIN LINK FENCE
 77. UNCLASSIFIED EXCAVATION

** REVOCABLE PERMIT REFERENCE
NO: 20160000235

HATCH / LINE LEGEND

- E — EXISTING ELECTRICAL
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- SD — EXISTING STORM DRAIN
- OHE — EXISTING OVERHEAD ELECTRIC
- SS — EXISTING SANITARY SEWER
- T — EXISTING TELECOMMUNICATION
- W — EXISTING WATER
- SL — EXISTING STREET LIGHTING
- X — FENCE

GENERAL NOTES

1. CONTRACTOR SHALL TRANSITION FROM PARABOLIC PAVING SECTION AT STA 52+50 TO CONFORM TO BRIDGE APPROACH SLAB GRADES.
2. CONTRACTOR SHALL COORDINATE WITH THE CITY OF LOS ANGELES URBAN FORESTRY DISTRICT (UFD) TO REMOVE AND DELIVER (4) FOUR MITIGATED TREES TO UFD NURSERY.
3. SEE SHEET 8 FOR STORM DRAIN AND LOCAL DEPRESSION DETAILS.
4. IMPROVEMENTS IN PRIVATE PROPERTY, OUTSIDE THE CITY OF LOS ANGELES RIGHT-OF-WAY SHALL BE INSPECTED AND REVIEWED BY OTHERS.

LINE / CURVE TABLE

#	DELTA/BRG	RADIUS	LENGTH	TANGENT	DESCRIPTION
A	87°11"	50.00'	7.09'	3.55'	C&G
B	N 74°26'17" W	-	85.84'	-	C&G
C	11°58'55"	50.00'	10.46'	5.25'	C&G
D	111°49'20"	25.00'	48.79'	36.94'	CURB RMP
E	90°00'00"	35.00'	54.98'	35.00'	CURB RMP
F	90°00'00"	20.00'	31.42'	20.00'	BW
G	11°58'55"	44.00'	9.20'	4.62'	RET CURB
H	11°58'55"	40.00'	8.36'	4.20'	RET CURB
I	90°00'00"	8.00'	12.57'	8.00'	RET CURB
J	90°00'00"	8.00'	12.57'	8.00'	RET CURB
K	103°23'29"	20.50'	36.99'	25.95'	RET CURB
L	N 86°25'12" W	-	28.72'	-	C&G
M	N 86°25'12" W	-	21.08'	-	RET CURB
N	N 86°25'12" W	-	68.22'	-	C&G
O	N 86°25'12" W	-	22.94'	-	C&G
P	N 86°25'12" W	-	34.50'	-	RET CURB
Q	N 86°25'12" W	-	27.94'	-	RET CURB

CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY :
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

PLANS PREPARED BY:
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444
No. 64286
06/30/2017
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED BY:
IDC Consulting Engineers, Inc.
203 WEST CERRITOS AVENUE
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:

NO. REVISIONS:

BUREAU OF ENGINEERING
APPROVAL:
OFFICE: CENTRAL DISTRICT
CHECKED BY: (PRINTED NAME)

SIGNATURE: DATE:

WORK ACCEPTED
SERIAL NO.

INDEX NO.
B - PERMITS
BR003512

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

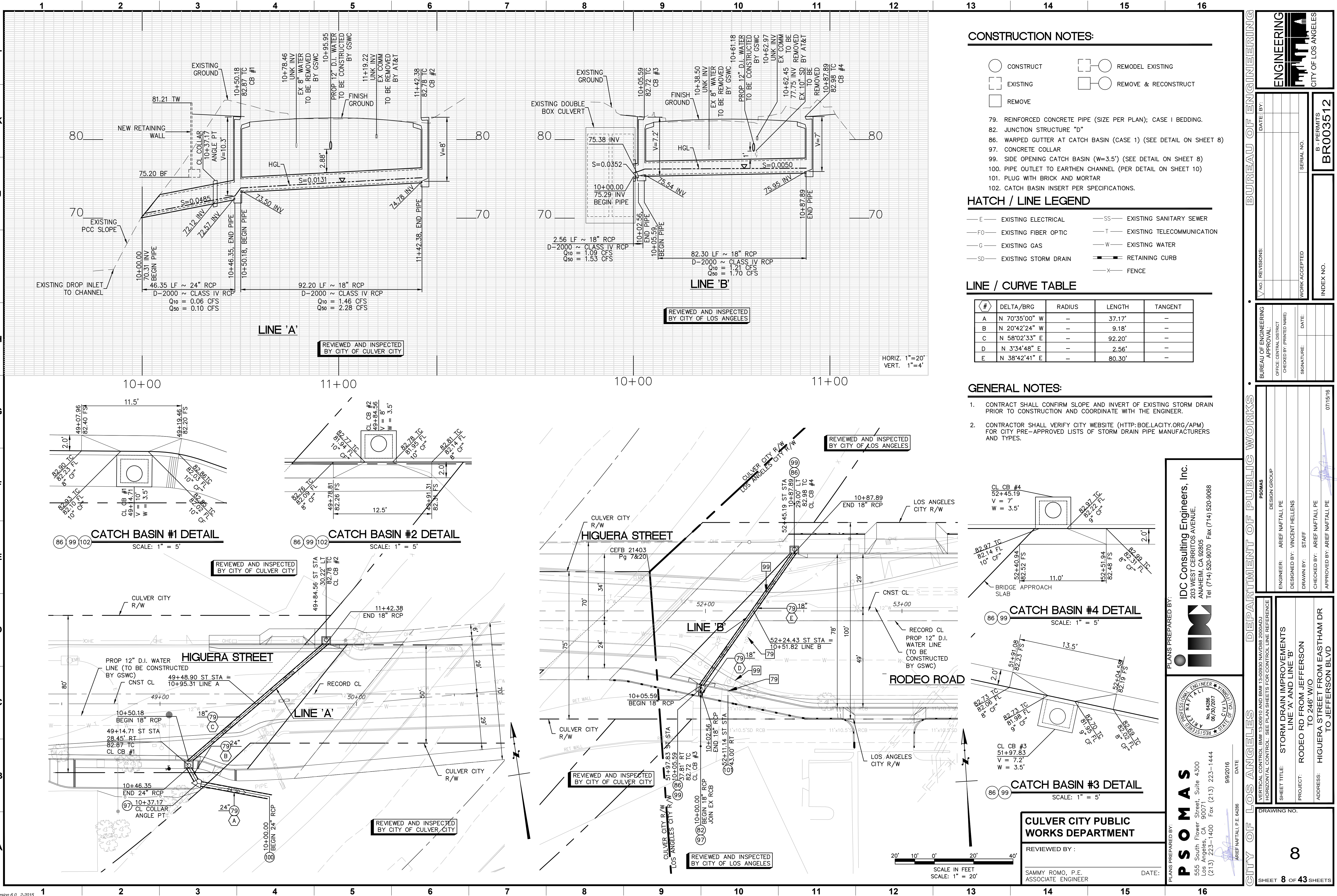
PSOMAS
DESIGN GROUP
ENGINEER: ARIEF NATALI, PE
DESIGNED BY: VINCENT HELLENS
DRAWN BY: STAFF
CHECKED BY: ARIEF NATALI, PE
APPROVED BY: ARIEF NATALI, PE
07/15/16

CIVIL IMPROVEMENTS
STA 51+00 - STA 54+00
PROJECT: RODEO RD FROM JEFFERSON
TO 246' W/O
ADDRESS: HIGUERA STREET FROM EASTHAM DR
TO JEFFERSON BLVD

DRAWING NO.
7
SHEET 7 OF 43 SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)



CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING
- REMOVE
- REMODEL EXISTING
- REMOVE & RECONSTRUCT

- 79. REINFORCED CONCRETE PIPE (SIZE PER PLAN); CASE 1 BEDDING.
- 82. JUNCTION STRUCTURE "D"
- 86. WARPED GUTTER AT CATCH BASIN (CASE 1) (SEE DETAIL ON SHEET 8)
- 97. CONCRETE COLLAR
- 99. SIDE OPENING CATCH BASIN (W=3.5') (SEE DETAIL ON SHEET 8)
- 100. PIPE OUTLET TO EARTHEN CHANNEL (PER DETAIL ON SHEET 10)
- 101. PLUG WITH BRICK AND MORTAR
- 102. CATCH BASIN INSERT PER SPECIFICATIONS.

HATCH / LINE LEGEND

- E — EXISTING ELECTRICAL
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- SD — EXISTING STORM DRAIN
- SS — EXISTING SANITARY SEWER
- T — EXISTING TELECOMMUNICATION
- W — EXISTING WATER
- X — FENCE
- — RETAINING CURB

LINE / CURVE TABLE

#	DELTA/BRG	RADIUS	LENGTH	TANGENT
A	N 70°35'00" W	—	37.17'	—
B	N 20°42'24" W	—	9.18'	—
C	N 58°02'33" E	—	92.20'	—
D	N 3°34'48" E	—	2.56'	—
E	N 38°42'41" E	—	80.30'	—

GENERAL NOTES:

- 1. CONTRACTOR SHALL CONFIRM SLOPE AND INVERT OF EXISTING STORM DRAIN PRIOR TO CONSTRUCTION AND COORDINATE WITH THE ENGINEER.
- 2. CONTRACTOR SHALL VERIFY CITY WEBSITE ([HTTP://BOE.LACITY.ORG/APM](http://BOE.LACITY.ORG/APM)) FOR CITY PRE-APPROVED LISTS OF STORM DRAIN PIPE MANUFACTURERS AND TYPES.

CATCH BASIN #1 DETAIL
SCALE: 1" = 5'

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

CATCH BASIN #2 DETAIL
SCALE: 1" = 5'

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

CATCH BASIN #4 DETAIL
SCALE: 1" = 5'

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

CATCH BASIN #3 DETAIL
SCALE: 1" = 5'

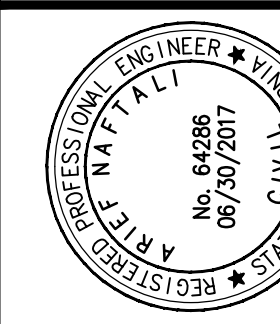
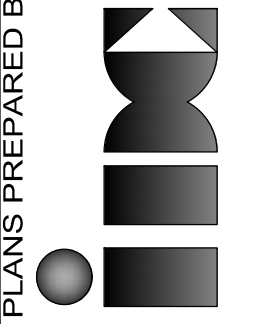
REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

CULVER CITY PUBLIC
WORKS DEPARTMENT

REVIEWED BY :
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

PLANS PREPARED BY:
IDC Consulting Engineers, Inc.
203 WEST CERRITOS AVENUE,
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068



PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444
9/9/2016
ARIEF NATTALI, P.E. 64286

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:

NO. REVISIONS:

WORK ACCEPTED

SERIAL NO.

INDEX NO.

DATE: BY:

NO. REVISIONS:

WORK ACCEPTED

SERIAL NO.

INDEX NO.

DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP

ENGINEER: ARIEF NATTALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NATTALI, PE

APPROVED BY: ARIEF NATTALI, PE

07/15/16

CITY OF LOS ANGELES

HORIZONTAL CONTROL: BM# 13+00.10 AND BM# 13+00.30 NAVD83 2000ADJ
VERTICAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: STORM DRAIN IMPROVEMENTS
LINE 'A' AND LINE 'B'

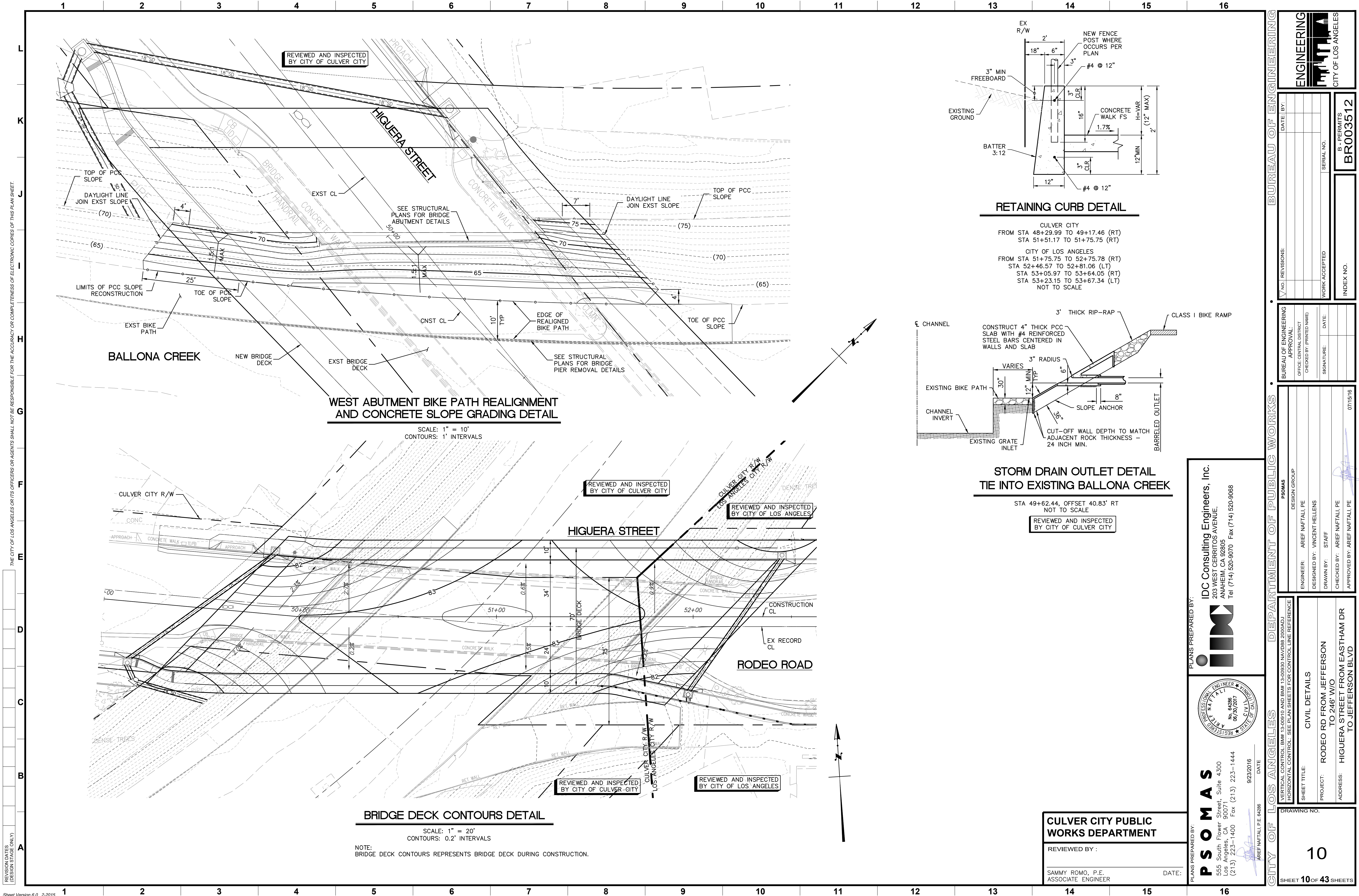
PROJECT: RODEO RD FROM JEFFERSON
TO 246' W/O

ADDRESS: HIGUERA STREET FROM EASTHAM DR
TO JEFFERSON BLVD

DRAWING NO.

8

SHEET 8 OF 43 SHEETS



THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

REVIEWED AND INSPECTED
BY CITY OF LOS ANGELES

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

REVIEWED AND INSPECTED
BY CITY OF LOS ANGELES

WEST ABUTMENT BIKE PATH REALIGNMENT AND CONCRETE SLOPE GRADING DETAIL

SCALE: 1" = 10'
CONTOURS: 1' INTERVALS

BRIDGE DECK CONTOURS DETAIL

SCALE: 1" = 20'
CONTOURS: 0.2' INTERVALS
NOTE:
BRIDGE DECK CONTOURS REPRESENTS BRIDGE DECK DURING CONSTRUCTION.

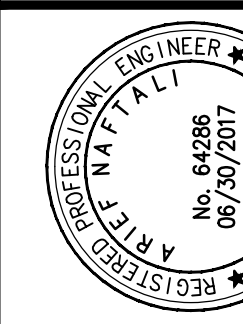
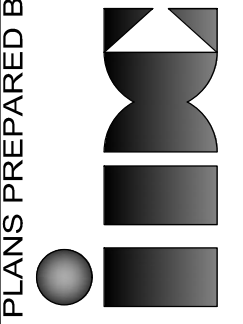
RETAINING CURB DETAIL

CULVER CITY
FROM STA 48+29.99 TO 49+17.46 (RT)
STA 51+51.17 TO 51+75.75 (RT)
CITY OF LOS ANGELES
FROM STA 51+75.75 TO 52+75.78 (RT)
STA 52+46.57 TO 52+81.06 (LT)
STA 53+05.97 TO 53+64.05 (RT)
STA 53+23.15 TO 53+67.34 (LT)
NOT TO SCALE

STORM DRAIN OUTLET DETAIL TIE INTO EXISTING BALLONA CREEK

STA 49+62.44, OFFSET 40.83' RT
NOT TO SCALE
REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

PLANS PREPARED BY:
PSOMAS
IDC Consulting Engineers, Inc.
203 West Cerritos Avenue,
Anaheim, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068



PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444
9/23/2016
DATE: 9/23/2016
Arief Naftali, P.E. 64286

CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY :
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER
DATE:

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:

NO. REVISIONS:

WORK ACCEPTED

SERIAL NO.

B - PERMITS
BR003512

INDEX NO.

DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP
PSOMAS

ENGINEER: ARIEF NAFTALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NAFTALI, PE

APPROVED BY: ARIEF NAFTALI, PE

07/15/16

CITY OF LOS ANGELES

VERTICAL CONTROL: BM# 13-00910 AND BM# 13-00930 NAVD83 2000ADJ
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: CIVIL DETAILS

PROJECT: RODEO RD FROM JEFFERSON TO 246' W/O

ADDRESS: HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

DRAWING NO. 10

SHEET 10 OF 43 SHEETS

REVISION DATES
(DESIGN STAGE ONLY)

A

B

C

D

E

F

G

H

I

J

K

L

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

REVOCABLE PERMIT
IN PROCESS
REFERENCE NO
20160000235

REVOCABLE PERMIT
APPROVED
TRANSMITTAL
IN PROCESS
REFERENCE NO
20160000235

REVOCABLE PERMIT REFERENCE
NO: 20160000235

CULVER CITY PUBLIC
WORKS DEPARTMENT

REVIEWED BY :

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

9/23/2016

PLANS PREPARED BY:
P S O M A S
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

REGISTERED PROFESSIONAL ENGINEER
ARIEF NAFTALI
No. 64286
06/30/2017
CIVIL
STATE OF CALIF.

PLANS PREPARED BY:
IDC
IDC Consulting Engineers, Inc.
203 WEST CERRITOS AVENUE,
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

REVOCABLE PERMIT
RODEO RD FROM JEFFERSON
TO 246th W/O
HIGUERA STREET FROM EASTHAM DR
TO JEFFERSON BLVD

DRAWING NO.

11

SHEET 11 of 43 SHEETS

BUREAU OF ENGINEERING

BUREAU OF ENGINEERING
APPROVAL:
OFFICE CENTRAL DISTRICT
CHECKED BY (PRINTED NAME)
SIGNATURE: DATE:
WORK ACCEPTED
SERIAL NO.
INDEX NO.
B - PERMITS
BR003512

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

PSOMAS
DESIGN GROUP
ENGINEER: ARIEF NAFTALI, PE
DESIGNED BY: VINCENT HELLENS
DRAWN BY: STAFF
CHECKED BY: ARIEF NAFTALI, PE
APPROVED BY: ARIEF NAFTALI, PE
07/15/16

PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

CITY OF LOS ANGELES

VERTICAL CONTROL: BMM 13-00910 AND BMM 13-00930 NAVTPR 2000ADJ
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

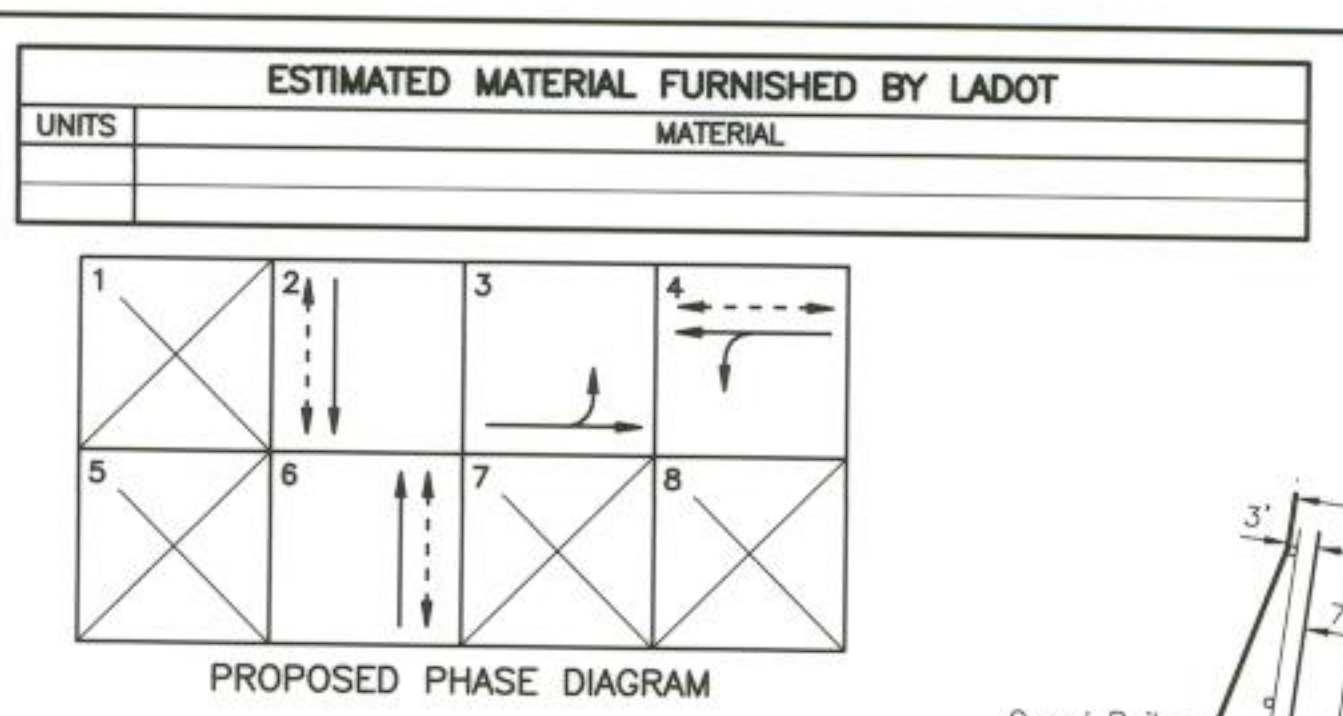
REVISION DATES
(DESIGN STAGE ONLY)

Sheet Version 6.0 2-2015

SIGNAL STANDARD SCHEDULE					
No.	TYPE	FOUND.	PED. PUSH BUTN	REMARKS	
(X) 1	332 CAB.	F-332	—	SEE NOTE 1 BELOW	
(X) 2	19-4-100	CIDH	APS	30' M.A., F=15'	
(X) 3	CD953	BSL	APS	4	
(X) 4	CD954	F-2	APS	4	
(X) 5	CD953	BSL	APS	20' M.A.	
(X) 6	C-2-100	CIDH	APS	25' M.A., F=12', WITHOUT CAMERA	
(X) 7	CD953	BSL	—	—	
(X) 8	26-4-100	CIDH	—	40' M.A., F=15' [7], 3' FROM CF	
(X) 9	CD953C	BSL	APS	[7], 4' FROM CF	

* Existing
 ** For Reference Only; See Street Lighting Sheets
 *** Per LADOT STD DWG NO. S-52.1.6, Signed April 26, 2012.

- NOTES:
- SEMI-ACTUATED OPERATION (ATSAC 2070 CONTROLLER)
 #2 - JEFFERSON BLVD. SB & W/S PED. XING
 #3 - HIGUERA ST. EB & EB LT.
 #4 - RODEO RD. WB & WB LT., N/S PED. XING
 #6 - JEFFERSON BLVD NB & E/S PED. XING
 - REMOVE TRAFFIC SIGNAL EQUIPMENT, FOUNDATION, PULL BOX, ABANDON CONDUITS.
 - INTERCEPT EXISTING CONDUIT. JOIN AND EXTEND INTO PULL BOX.
 - INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1A & S-70.1D (CASE II)
 - CONTRACTOR MAY RE-USE THE EXISTING DLC IN THE PULL BOX AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. IF DLC CABLE IS DAMAGED, NEW DLC CABLE SHALL BE INSTALLED FROM THE PULL BOX TO THE CONTROLLER
 - INSTALL 3-#6 SERVICE WIRES FROM PULL BOX TO CONTROLLER AND A 60-AMP FUSE IN AN IN-LINE WATERPROOF FUSE HOLDER IN THE SERVICE PULL BOX PER LADOT STD. DWG. NO. S-79.8/79.9. WORK ON ANY ELECTRICAL SERVICE EQUIPMENT WILL BE DONE IN CONJUNCTION WITH DEPARTMENT OF WATER AND POWER (DWP) PERSONNEL. CONTACT DWP AT (213) 367-9966 SEVEN (7) WORKING DAYS PRIOR TO THE BEGINNING WORK ON THE SERVICE LINE.
 - THE PROPOSED FOUNDATION SHALL BE INITIALLY HAND-DUG BY THE CONTRACTOR TO VERIFY THE LOCATION OF THE EXISTING UTILITIES. THE CONTRACTOR SHALL EXERCISE DUE CAUTION DURING THE EXCAVATION PROCEDURE TO PROTECT SUBJECT UTILITIES.
 - RELOCATED 332 CABINET, CONTROLLER, AND AUXILIARY EQUIPMENT. SHALL BE UNDAMAGED AT THE CONCLUSION OF THE RELOCATION AS DETERMINED BY THE TRAFFIC SIGNAL INSPECTOR. DAMAGED EQUIPMENT SHALL BE REPLACED WITH NEW EQUIPMENT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO RELOCATE AND INSTALL CONTROLLER ASSEMBLY ON F-332 FOUNDATION.



CONDUCTOR SCHEDULE		RUN																											
SIZE	CABLE / WIRE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
3	CONDUCTOR CABLE																												
3	X #14																												
5	CONDUCTOR CABLE																												
5	X #14																												
9	CONDUCTOR CABLE																												
8	X #14 & 1 X #10 (COM)																												
13	CONDUCTOR CABLE																												
12	X #14 & 1 X #10 (COM)																												
28	CONDUCTOR CABLE																												
27	X #14 & 1 X #10 (COM)																												
6	SERVICE																												
12	APS CABLE (5 X #14)																												
18	BUS DLC (1 PAIR)																												
18	DLC (2 PAIR)																												
18	DLC (3 PAIR)																												
18	DLC (4 PAIR)																												
22	DLC (EXISTING)																												
22	I/C (12 PR)																												
22	I/C (25 PR)																												
22	I/C (50 PR)																												
	VIDEO FIBER																												
	CCTV CABLE																												
	FIBER OPTIC																												
	PULL ROPE (KEVLAR)																												

* FOR EXISTING CONDUIT RUNS DESIGNATED WITH AN "*" (ABOVE), THE CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES AND PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.

NOTICE TO CONTRACTOR

- EXCEPT WHERE OTHERWISE INDICATED, MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND THE CORRESPONDING ADDITIONS AND AMENDMENTS THAT ARE LISTED IN THE "KNOWN BOOK" AS APPROVED BY THE CITY OF LOS ANGELES' BOARD OF PUBLIC WORKS, AND THE LATEST EDITION, WITH AMENDMENTS OF THE SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS ISSUED BY THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT).
- ALL TRAFFIC SIGNAL AND/OR RELATED ELECTRICAL WORK SHALL BE PERFORMED AND INSPECTED UNDER THE CONDITIONS OF THE MOST CURRENT AMENDED BOARD OF PUBLIC WORKS "ENHANCED ELECTRICAL SAFETY POLICY" AS REQUIRED IN LADOT'S SPECIAL PROVISIONS AND STANDARD DRAWINGS FOR THE INSTALLATION AND MODIFICATION OF TRAFFIC SIGNALS (RED BOOK), REGARDLESS OF CONTRACT COST.
- THE LADOT TRAFFIC SIGNAL INSPECTOR AT (213) 485-6834 SHALL BE NOTIFIED THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION FOR WORK IN THE AUTOMATED TRAFFIC SURVEILLANCE AND CONTROL (ATSAC) PROJECT AREA. A FIELD MEETING SHALL BE SCHEDULED WITH THE ATSAC PROJECT ENGINEER AT (213) 972-8664 AND THE SIGNAL MAINTENANCE SUPERVISOR AT (213) 485-6790 THREE (3) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. FULL RESTORATION OF THE ATSAC SYSTEM MUST OCCUR WITHIN FIVE (5) WORKING DAYS AFTER SHUT DOWN.
- REGULAR TRAFFIC SIGNAL CONTROL SHALL BE MAINTAINED FROM 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 7:00 P.M. ON WEEKDAYS, EXCEPT NATIONAL HOLIDAYS. FLASHING, DEACTIVATION AND ACTIVATION OF SIGNALS SHALL BE ACCOMPLISHED ONLY BY A LADOT TRAFFIC SIGNAL ELECTRICIAN. ALL ARRANGEMENTS TO DEACTIVATE SIGNALS SHALL BE MADE 24 HOURS IN ADVANCE BY CONTACTING THE LADOT TRAFFIC SIGNAL DEDICATED LINE AT (213) 473-8478 BEFORE 9:00 AM ON NON-HOLIDAY WEEKDAYS. THE LADOT PROJECT NUMBER MUST BE GIVEN AT THIS TIME. THE CONTRACTOR WILL BE CHARGED FOR ALL ELECTRICAL AND TRAFFIC CONTROL SERVICE PROVIDED BY LADOT.
- ARRANGEMENTS FOR OBTAINING ANY MATERIALS IDENTIFIED TO BE SUPPLIED BY LADOT SHALL BE MADE TEN (10) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT FIELD OPERATIONS DIVISION AT (213) 928-9603. HOWEVER, TRAFFIC SIGNAL CONTROLLERS REQUIRE THIRTY (30) WORKING DAYS ADVANCE NOTICE AND MUST BE PICKED UP WITHIN FIFTEEN (15) WORKING DAYS AFTER NOTIFICATION. CONTACT LADOT SIGNAL SHOP AT (213) 473-8468 TO COORDINATE CONTROLLER DELIVERY AND/OR PICKUP.
- ALL IDENTIFIED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO LADOT. ARRANGEMENTS FOR RETURNING IDENTIFIED EQUIPMENT TO LADOT SHALL BE MADE FIVE (5) WORKING DAYS IN ADVANCE BY CONTACTING THE LADOT MATERIAL CONTROL DIVISION AT (213) 928-9636.
- ALL EXISTING TRAFFIC CONTROL SIGNING SHALL BE MAINTAINED WITH STANDARD SIGN BRACKETS BY THE CONTRACTOR. EXCEPT WHERE OTHERWISE INDICATED, EXISTING LARGE STREET NAME SIGNS ON WEST ARMS TYPE STANDARDS SHALL BE RELOCATED FROM THE VERTICAL POLE TO THE EAST ARM PER LADOT STANDARD DRAWING NO. S-457.0 & S-486.0. THE CONTRACTOR SHALL COORDINATE WITH LADOT SIGN SHOP AT (213) 473-7954 FOR ANY REQUIRED LARGE STREET NAME SIGNS. ANY TRAFFIC CONTROL SIGNING DAMAGED OR LOST BY THE CONTRACTOR SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SIGNAL CONTRACTOR SHALL INSTALL EAST ARM MOUNTED SIGNS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL, AS SHOWN ON THE PLANS, ALL TRAFFIC SIGNAL EQUIPMENT SUCH AS STANDARDS, MAST ARM SIGNAL HEADS, AND OTHER EQUIPMENT AS REQUIRED. ALL SUCH EQUIPMENT SHALL BE NEW. ALL SUCH EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SIGNAL MANUAL. ALL VEHICLE HEAD EQUIPMENT SUPPLIED BY THE CONTRACTOR SHALL HAVE 1-1/2 INCH DIAMETER PIPE FIT MOUNTING HARDWARE, INCLUDING ALL TOP POST MOUNT HEADS. PED HEAD MODULE REPLACEMENTS SHOWN ON THE PLAN SHALL REQUIRE A COMPLETE INSTALLATION, INCLUDING NEW PED HEAD AND TERMINAL COMPARTMENT.

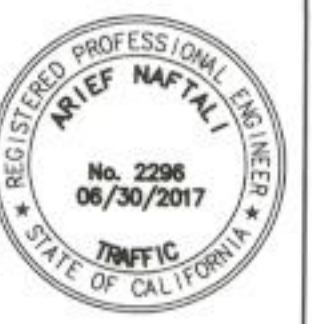
- ALL NEW VEHICLE AND PEDESTRIAN TRAFFIC SIGNALS SHALL BE LED MODULE, PER LADOT SPECIFICATION 92-088-07 (LATEST EDITION).
- CONTRACTOR SHALL CONTACT THE TRAFFIC CONSULTANT FOR ANY PROBLEMS ENCOUNTERED IN THE FIELD DURING CONSTRUCTION. THE TRAFFIC CONSULTANT SHALL CONTACT THE LADOT PUBLIC IMPROVEMENT SECTION AT (213) 928-9684 FOR RESOLUTION OF SIGNAL RELATED CONSTRUCTION PROBLEMS. THIS PLAN ASSUMES COMPLETION OF JEFFERSON BLVD. & RODEO RD. INTERSECTION IMPROVEMENT (PROJECT #TGF1034).

BRIDGE WIDENING PROJECT RESTORATION PLAN
 RODEO RD FROM JEFFERSON TO 240' W/O
 BRO03512

REVIEWED	October 9, 2015	ACCEPTED	Oct. 26, 2015
for	Transportation Engineer	for	Senior Transportation Engineer
Date of Installation:		CITY OF LOS ANGELES	
LADOT Inspector:		DEPARTMENT OF TRANSPORTATION	
Condition As Of:		SELETA J. REYNOLDS, GENERAL MANAGER	
LADOT Engineer:		TITLE	
Council District	Hollywood-Wilshire	HIGUERA ST., JEFFERSON BLVD. & RODEO RD.	
Thomas Guide	672-J1	File Name	23610-2015.dwg
References	23610 - SMFC1-051 Geo. Plan: A-6241 Field Check	Intersection No.	23610
		Proj. No.	BR 003512

NOTICE: IF PLAN HAS NOT BEEN IMPLEMENTED WITHIN TWO (2) YEARS OF THE APPROVAL DATE, IT MUST BE RESUBMITTED TO LADOT SIGNAL DESIGN SECTION FOR REVIEW AND APPROVAL.

PLANS PREPARED BY:
PSOMAS
 555 South Flower Street, Suite 4300
 Los Angeles, CA 90071
 (213) 223-1400 Fax (213) 223-1444



10/07/2015
 DATE

ARIEF NAFTALI, P.E. 64296

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

NOTICE TO CONTRACTORS
GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST EDITION OF PUBLIC WORKS OF THE CITY OF LOS ANGELES ADOPTED EDITION AND SUPPLEMENTS TO THE "GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS MODIFIED BY THE CORRESPONDING ISSUE OF THE BROWN BOOK, THE LATEST EDITION OF THE BUREAU OF STREET LIGHTING "SPECIAL SPECIFICATIONS", AND THE SPECIAL PROVISIONS.
- ELECTROLIER(S) SHALL BE INSTALLED WITH CENTERLINE 30" BEHIND THE CURB FACE, AND WITH LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO ITS CENTER LINE, EXCEPT AS OTHERWISE SPECIFIED HEREON.
- ELECTROLIER(S) SPECIFIED TO BE LOCATED INSIDE OF THE CURB RETURN SHALL BE INSTALLED WITH THE CENTER OF THE ELECTROLIER 30 INCHES BEHIND THE CURB FACE MEASURED RADIALLY, AND WITH THE LUMINAIRE ARM ORIENTED OVER THE STREET AND PERPENDICULAR TO THE STREET CENTERLINE.
- ELECTROLIER(S) SHALL BE ERRECTED SO THAT THE BASE DOOR IS PERPENDICULAR TO THE CURB AND LOCATED ON THE SIDE OF THE ELECTROLIER AWAY FROM ONCOMING TRAFFIC.
- ALL EXISTING ELECTROLIER(S) SPECIFIED TO BE REMOVED OR MODIFIED ON THIS PLAN SHALL BE MAINTAINED IN SERVICE UNTIL THE NEW ELECTROLIER LIGHTING SYSTEM IS PLACED IN SERVICE. UNLESS OTHERWISE SPECIFIED HEREON, ALL OTHER ELECTROLIER(S) ON CIRCUITS AFFECTED BY THIS PLAN SHALL BE MAINTAINED IN SERVICE. CONTRACTOR MAY PROVIDE ALTERNATE LIGHTING IN LIEU OF MAINTAINING EXISTING ELECTROLIER LIGHTS IN SERVICE PROVIDED THAT SUCH ARRANGEMENTS ARE APPROVED BY THE ENGINEER.
- ALL EQUIPMENT REQUIRED HEREON FOR FURNISHING ELECTRICAL SERVICE FOR EACH CIRCUIT SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY OTHER CONSTRUCTION ON THAT CIRCUIT UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL GIVE WRITTEN NOTICE, 72 HOURS IN ADVANCE OF THE REMOVAL OF AN ELECTROLIER, TO ANY PUBLIC AGENCY MAINTAINING EQUIPMENT SUPPORTED BY THAT ELECTROLIER.
- FOUNDATIONS AND PULLBOXES NOT REMAINING IN SERVICE SHALL BE REMOVED. THE RESULTING EXCAVATION SHALL BE FILLED WITH MATERIAL SIMILAR TO ADJACENT MATERIAL AND SATISFACTORILY COMPACTED WITH A MECHANICAL COMPACTOR IN LAYERS NOT EXCEEDING 12 INCHES. THE SURFACE SHALL BE FINISHED TO MATCH THE ADJACENT SURFACE.
- THE CONTRACTOR SHALL REQUEST A BURN TEST BY NOTIFYING THE BUREAU OF CONTRACT ADMINISTRATION PROJECT INSPECTOR A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF THE DATE ON WHICH A BURN TEST IS DESIRED.
- CONTRACTOR SHALL GIVE WRITTEN WORKING DAYS NOTICE (PHONE 323-913-4743) PRIOR TO DELIVERY OF ANY EQUIPMENT SPECIFIED TO BE DELIVERED TO THE BUREAU OF STREET LIGHTING YARD AT 4550 SANTA MONICA BLVD. SUCH DELIVERIES SHALL BE BETWEEN 8:30 AM AND 3:00 PM AND SHALL INCLUDE ALL HANDLING AND LOADING FROM THE TRUCK BY THE CONTRACTOR. CONTRACTOR MUST SUPPLY A COPY OF THE STREET LIGHTING SHEETS WITH THE DELIVERY OF MATERIAL.
- PULLBOXES LOCATED ADJACENT TO DRIVEWAYS AND ALLEYS SHALL BE INSTALLED AT A MINIMUM DISTANCE OF FIVE FEET FROM THE TOP OF THE "X" OF A CASE 1 OR CASE 2 DRIVEWAY OR AT A MINIMUM DISTANCE OF TWO FEET FROM THE B.C. OF A CASE 3 OR CASE 4 DRIVEWAY OR FIVE FEET FROM TRAVELLED WAY OF THE ALLEY.
- PULLBOXES INSTALLED AT INTERSECTIONS OF LOCAL STREET SHALL BE INSTALLED NO CLOSER TO THE INTERSECTIONS THAN THE B.C.R. OF AN ASSUMED FUTURE 25' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER. PULLBOXES INSTALLED AT INTERSECTIONS WHICH INVOLVE ONE OR MORE MAJOR OR SECONDARY STREETS SHALL BE INSTALLED NO CLOSER TO INTERSECTIONS THAN THE B.C.R. OF AN ASSUMED FUTURE 35' RADIUS CURB RETURN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- CONDUIT SHALL BE INSTALLED AROUND ALL EXISTING AND/OR PROPOSED CATCH BASINS PER BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-304-0 UNLESS OTHERWISE SPECIFIED.
- ALL SCREWS PROVIDED FOR ELECTROLIER STANDARD BASE DOORS AND BASE COVERS SHALL BE CADMIUM PLATED STEEL, 1/4"-20NC MACHINE SCREWS, WITH PHILLIPS RECESSED ROUND HEAD.
- UNLESS OTHERWISE SPECIFIED HEREON, LUMINAIRES SHALL PROVIDE A MEDIUM, CUTOFF, TYPE III, LIGHTING DISTRIBUTION PATTERN CONFORMING TO I.E.S DESIGNATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE CONDITION OF ALL EXISTING EQUIPMENT TO BE REUSED, MODIFIED OR RETURNED TO THE BUREAU OF STREET LIGHTING YARD.
- EQUIPMENT INDICATED "DISPOSE" SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF BY THE CONTRACTOR.
- STREET LIGHTING CONDUIT SHALL BE INSTALLED BY JACKING OR DRILLING METHODS. INSTALLATION OF CONDUIT BY OPEN TRENCHING IS NOT PERMITTED UNLESS APPROVED BY THE DIRECTOR, BUREAU OF STREET LIGHTING.
- CONTRACTOR SHALL REPAIR AT HIS COST, THE DAMAGE CAUSED TO EXISTING SPRINKLER SYSTEMS DURING THE CONSTRUCTION OF THIS PROJECT. REPAIRS SHALL BE MADE WITHIN 5 WORKING DAYS AFTER DAMAGE OCCURS.
- ALL ELECTROLIER(S) SPECIFIED HEREON SHALL INCLUDE A TYPE 2 PULLBOX, TO BE SUPPLIED AND INSTALLED, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL BE RESPONSIBLE TO ALL EXISTING ELECTROLIER(S) SPECIFIED TO BE RELOCATED AND MODIFIED ON THIS PLAN. PRIOR TO REINSTALLATION, CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING STREET LIGHTING FACILITIES FOUND TO BE DAMAGED PRIOR TO START OF OR DURING THE CONSTRUCTION OF THIS PROJECT AT NO COST TO THE CITY.

SUPPLEMENTAL NOTES

- CONTRACTOR SHALL LOCATE & PROTECT SUBSTRUCTURE(S) SHOWN HEREON, & SHALL PROVIDE FOR A MINIMUM 12" HORIZONTAL CLEARANCE BETWEEN FOUNDATION & SUBSTRUCTURES. IN THE EVENT A 12" CLEARANCE CANNOT BE ACHIEVED, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR RELOCATION OF SUBSTRUCTURES AT NO COST TO THE CITY.
- IN THE EVENT OF OVERHEAD LINES CONFLICT WITH ELECTROLIER(S) THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH THE DEPT. OF WATER AND POWER TO RAISE THEIR OVERHEAD FACILITIES IN ORDER TO PROVIDE FOR THE FOLLOWING CLEARANCES WITH EXISTING AND/OR PROPOSED ELECTROLIER(S).
LOW VOLTAGE: MINIMUM 3' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTROLIER(S)
HIGH VOLTAGE: MINIMUM 6' CLEARANCE BETWEEN OVERHEAD LINES AND ELECTROLIER(S)
- STREET TREES SHALL NOT BE PLANTED CLOSER THAN 20' FROM EXISTING OR PROPOSED ELECTROLIER, UNLESS OTHERWISE INDICATED.
- IN THE EVENT OF OVERHEAD COMMUNICATION LINE CONFLICT WITH ELECTROLIER(S), CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS TO PROVIDE A MINIMUM 12" CLEARANCE.
- PROPOSED ELECTROLIER FOUNDATIONS AND PULLBOXES SHALL BE INSTALLED OUTSIDE OF ACCESS RAMP AREAS. EXISTING FOUNDATIONS AND PULLBOXES SHALL BE RECONSTRUCTED TO CLEAR ACCESS RAMPS BY A MINIMUM OF 12". EXISTING CONDUIT SHALL BE LOWERED AS NECESSARY PER SEC. 307-2.5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- CONDUIT THAT IS TO BE ABANDONED SHALL HAVE WIRES REMOVED. THE CONDUIT SHALL BE REMOVED TO A DEPTH OF AT LEAST 12" BELOW THE SURFACE AND HAVE BOTH ENDS CRIMPED.
- NOTWITHSTANDING SECTION 16950.2 OF THE SPECIAL SPECIFICATIONS FOR THE CONSTRUCTION STREET LIGHTING SYSTEMS MAGNETIC REGULATING BALLASTS ARE REQUIRED IN ALL COBRA-HEAD LUMINAIRES.
- ALL #10 AWG WIRES USED FOR MULTIPLE CIRCUIT ELECTROLIER WIRING REFERENCED IN STANDARD DRAWING NO. L-301-1 SHALL BE #10 AWG SOLID COPPER CONDUCTORS.
- AT LEAST TWO (2) WORKING DAYS PRIOR TO STARTING ANY EXCAVATION, THE CONTRACTOR MUST OBTAIN AN INQUIRY I.D. NUMBER FROM UNDERGROUND SERVICE ALERT BY CALLING (800) 422-4133 OR BY DIALING 811.

SERIES CIRCUIT NOTES

- WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY, AND "MEN AT WORK" SIGNS SHALL BE POSTED AT THE SERVICE POINT BEFORE ANY WORK IS DONE OR ANY CONNECTIONS MADE ON AN EXISTING CIRCUIT. SEE SECTIONS 16430 AND 2100 OF SPECIAL SPECIFICATIONS.
- SERIES CIRCUIT WIRE SHALL BE NO. 8 AWG SOLID COPPER CONDUCTOR, INSULATED WITH 0.110" APPROVED POLYETHYLENE COMPOUND RATED FOR 5,000 VOLT OPERATION.
- TWO OR MORE TURNS OF SELF-ADHESIVE COLORED TAPE WITH A MINIMUM WIDTH OF 1/2 INCH SHALL BE APPLIED TO EACH CABLE IN ALL SERIES CIRCUITS WHERE WORK IS BEING DONE AND WHERE TWO OR MORE CIRCUITS EXIST IN A COMMON PULLBOX OR POST BASE. THE TAPE SHALL BE APPLIED ON THE CABLE BETWEEN THE SPLICES AND THE CONDUIT, USING ONE COLOR FOR EACH CIRCUIT. THE COLORS WHITE, GRAY, GREEN, AND ORANGE SHALL NOT BE USED.
- CONTRACTOR SHALL GIVE THE BUREAU OF STREET LIGHTING YARD (PHONE 323-913-4743) TWO WORKING DAYS NOTICE BEFORE ANY WORK IS DONE ON AN EXISTING CIRCUIT.

CIRCUIT DIAGRAM LEGEND

- | | | | |
|-------|-------------------------------|---|----------------------|
| — | NEW WIRE | ○ | NEW LAMP |
| —X—X— | EXISTING WIRE | □ | EXISTING LAMP |
| —X—X— | DISCONNECT AND REMOVE WIRE | | |
| —○— | CONNECT WIRE | | |
| —○—○— | DISCONNECT WIRE AND TAPE ENDS | ⊗ | REMOVE EXISTING LAMP |

MULTIPLE CIRCUIT NOTES

- WARNING: SAFETY CLEARANCE SHALL BE OBTAINED DAILY FROM THE SERVING COMPANY BEFORE DOING ANY WORK OR MAKING ANY CONNECTIONS ON AN EXISTING CIRCUIT. SEE SECTIONS 16430 AND 2100 OF SPECIAL SPECIFICATIONS.
- MULTIPLE CIRCUIT WIRE SHALL BE NO. 8 AWG STRANDED COPPER CONDUCTOR. TYPE THWN/THHN INSULATION, UL APPROVED FOR 600 VOLT OPERATION UNLESS OTHERWISE SPECIFIED HEREON.
- THREE WIRES (COLOR CODE: 1-RED, 1-BLACK, 1-WHITE,) SHALL BE INSTALLED IN ALL MULTIPLE CIRCUIT CONDUIT UNLESS OTHERWISE PROVIDED FOR HEREON.
- EVEN NUMBERED ELECTROLIER(S) SHALL BE CONNECTED TO RED AND WHITE WIRES AND ODD NUMBERED ELECTROLIER(S) SHALL BE CONNECTED TO BLACK AND WHITE WIRES.
- ELECTROLIER(S) SHALL BE WIRED PER TYPICAL MULTIPLE CIRCUIT ELECTROLIER WIRING DETAIL, BUREAU OF STREET LIGHTING STANDARD DRAWING NO. L-301-1, UNLESS OTHERWISE SPECIFIED.
- MULTIPLE CIRCUITS IN CONDUITS CONTAINING MORE THAN THREE CONDUCTORS SHALL BE APPROPRIATELY IDENTIFIED BY LABELING CONDUCTORS "A", "B", ETC. WITH APPROVED SELF-LAMINATING LETTER TAPE WRAPPED AT LEAST TWICE AROUND THE CONDUCTOR IN EACH PULLBOX. (W.H. BRADY, SPECIAL SELF-LAMINATING WIRE MARKERS OR EQUIVALENT)

LEGEND

- | | |
|-------------|--|
| (R) | EXISTING ELECTROLIER TO BE RELOCATED |
| ⊗ | EXISTING UTILITARIAN LIGHTS ON WOODEN POLES WHICH SHALL BE MAINTAINED IN SERVICE UNTIL THE PERMANENT ELECTROLIER LIGHTING SYSTEM IS PLACED IN SERVICE. CONTRACTOR MAY PROVIDE ALTERNATE LIGHTING IN LIEU OF MAINTAINING EXISTING UTILITARIAN LIGHTS IN SERVICE PROVIDED THAT SUCH ARRANGEMENTS ARE APPROVED BY THE ENGINEER. |
| ⊗ | EXISTING ELECTROLIER TO BE REMOVED. (SEE GENERAL NOTE 8) |
| ○ | NEW ELECTROLIER |
| □ | EXISTING ELECTROLIER, NOT TO BE REMOVED OR MODIFIED |
| □ | PULLBOX TYPE 2 UNLESS OTHERWISE SHOWN HEREON. ADDITIONAL PULLBOXES SHALL BE REQUIRED AS SPECIFIED. (SEE DELTA NO. 25 AND 28). |
| □ | EXISTING PULLBOX |
| — | EXISTING 1" CONDUIT |
| --- | EXISTING 1-1/2" CONDUIT |
| --- | EXISTING 2" CONDUIT |
| --- | NEW 1" CONDUIT |
| --- | NEW 1-1/2" CONDUIT |
| --- | NEW 2" CONDUIT |
| ---X---X--- | ABANDON CONDUIT (SEE GENERAL NOTE NO.8 & SUPPLEMENTAL NOTE NO.6) |
| ⊗ | EXISTING ELECTROLIER FOUNDATION |
| ■ | FUTURE ELECTROLIER |
| ■ | PROPOSED CATCH BASIN |
| ⊗ | ELECTROLIER(S) TO BE INSTALLED AT THE INTERSECTION. FOR PROP. 218 SECTION USE ONLY. (GENERAL BENEFIT) |

NOTICE TO CONTRACTORS
MATERIAL LIST

FOLLOWING IS A SUMMARY OF NEW ELECTROLIER(S), LUMINAIRES, LAMPS, BALLASTS, FOUNDATIONS, AND OTHER EQUIPMENT WHICH SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. THIS IS NOT INTENDED TO BE A COMPLETE LIST OF ALL MATERIALS REQUIRED

SYMBOL	ITEM	QUANTITY	DESCRIPTION	STANDARD PLAN NO.	REV. NO.	NOMINAL WATTAGE
①	ELECTROLIER	1	CAL TYPE 26-4-100 W/ 45' M.A., 6' LUM ARM AND TYPE 2 PULL BOX	26	26	★★
	LUMINAIRE	1	90 LED (LEOTEK)	29		159W
②	ELECTROLIER	1	TYPE C-2-100 W/ 25' M.A., 6' LUM ARM AND TYPE 2 PULL BOX	26	26	★★
	LUMINAIRE	1	90 LED (LEOTEK)	29		159W
③	ELECTROLIER	1	CAL TYPE 19-4-100 W/ 30' M.A., 6' LUM ARM AND TYPE 2 PULL BOX	26	26	★★
	LUMINAIRE	1	90 LED (LEOTEK)	29		159W

- ★ SET LUMINAIRE TO I.E.S., MEDIUM, CUTOFF, TYPE III LIGHTING DISTRIBUTION.
- ★★ REFER TO D.O.T. TRAFFIC SIGNAL SHEET (COMBINATION TRAFFIC SIGNAL/ST. LTG. POLE)

MATERIAL LIST NOTES

- ALL COBRAHEAD TYPE LUMINAIRES SHALL BE INSTALLED WITHOUT STARTER AND ADHERE TO GENERAL NOTE 16. ALL HPS LAMPS WITHIN COBRAHEAD TYPE LUMINAIRES SHALL BE "EYE IGNITRON" PER CORRESPONDING EYE LIGHTING INTERNATIONAL OF NORTH AMERICA CATALOG #S AS FOLLOWS, OR BSL APPROVED EQUAL:
150W-59707, 200W-59914, 250W-60012, 310W-60050, 400W-60110
- ALL COBRAHEAD LUMINAIRES REGARDLESS OF WATTAGE ON LOW VOLTAGE, MULTIPLE CIRCUITS SHALL BE EQUIPPED WITH A MONITORING NODE. THE UNIT SHOULD BE PICKED UP AT THE BUREAU'S PLAN COUNTER AT 1149 S. BROADWAY, SUITE #200, LOS ANGELES, CA 90015. THE UNITS WILL BE PROVIDED FOR A NON-REFUNDABLE FEE (APPROXIMATELY \$ 100.00 PER UNIT). THE CONTRACTOR SHALL GIVE SEVEN WORKING DAYS NOTICE (TELEPHONE 231 847-1498) PRIOR TO PICKING UP THE MONITORING UNITS. NODES SHALL BE INSTALLED INTO THE PHOTOELECTRIC CONTROL STANDARD SOCKET PER INSI/NEMA C-136.10 AND SHALL BE ORIENTED IN A NORTHERLY DIRECTION. A SEPARATE P.E. CELL IS NOT REQUIRED FOR LUMINAIRES
- (R) INDICATES RELOCATE EXISTING ELECTROLIER CD-953C AND LED LUMINAIRE COMPLETE PER STANDARD PLAN B-3685, REV. 3. REMOVE AND DISPOSE OF EXISTING FOUNDATION AND PULLBOX. INSTALL NEW FOUNDATION AND NEW TYPE 2 PULLBOX AT NEW LOCATION. (SEE GENERAL NOTE NOS. 8, 21 AND DELTA NOTE 25).
- (X) INDICATES REMOVE AND DISPOSE OF EXISTING ELECTROLIER, PULLBOX AND FOUNDATION. REMOVE EXISTING LED LUMINAIRE FROM EXISTING ELECTROLIER(S) 24-3-70 AND CD-953C7, TO BE REMOVED, AND INSTALLED ON PROPOSED ELECTROLIER NO.6 (CAL TYPE C-2-100), NO. 5 (CAL TYPE 26-4-100) AND NO. 2 (CAL TYPE 19-4-100). (TOTAL: 3-90 LED LEOTEK)
- (R) ④ INDICATES RELOCATE EXISTING ELECTROLIER CD-954 AND LED LUMINAIRE COMPLETE PER STANDARD PLAN S-51.9.6. REMOVE AND DISPOSE OF EXISTING FOUNDATION AND PULLBOX. INSTALL NEW EQUIPMENTS PER MATERIAL LIST. INSTALL NEW TYPE 2 PULLBOX (SEE GENERAL NOTE NO. 21 AND DELTA NOTE 25).

ALL CONSTRUCTION IS PROHIBITED ON MAJOR AND SECONDARY STREET BETWEEN:

6:00 A.M. TO 9:00 A.M.
3:30 P.M. TO 7:00 P.M.

NOTICE TO CITY INSPECTOR/CONTRACTOR NO. 1

THIS PROJECT IS IMPACTED BY PROPOSITION 218
ELECTROLIER(S) SPECIFIED HEREON SHALL NOT BE INSTALLED UNTIL THE LEGAL REQUIREMENTS OF PROPOSITION 218 HAVE BEEN SATISFIED. THE CITY INSPECTOR SHALL CONTACT THE BUREAU OF STREET LIGHTING ENGINEERING AND TECHNICAL SERVICES DIVISION AT (213) 847 - 1431 FOR CONSTRUCTION CLEARANCE. UNDERGROUND FACILITIES MAY BE INSTALLED PRIOR TO PROPOSITION 218 CONSTRUCTION CLEARANCE.

NOTICE TO CITY INSPECTOR/CONTRACTOR NO. 2

THE STREET LIGHTING EQUIPMENT ON THIS PLAN MAY BE SUBJECT TO CHANGE ("GREEN BOOK" 2012 S 307). THE CONTRACTOR SHALL NOT ORDER ANY NEW STREET LIGHTING EQUIPMENT PRIOR TO APPROVAL BY THE BUREAU OF STREET LIGHTING EQUIPMENT APPROVAL SECTION (M-40) FORM). CONTACT (213) 847-1831 FOR MORE INFORMATION.

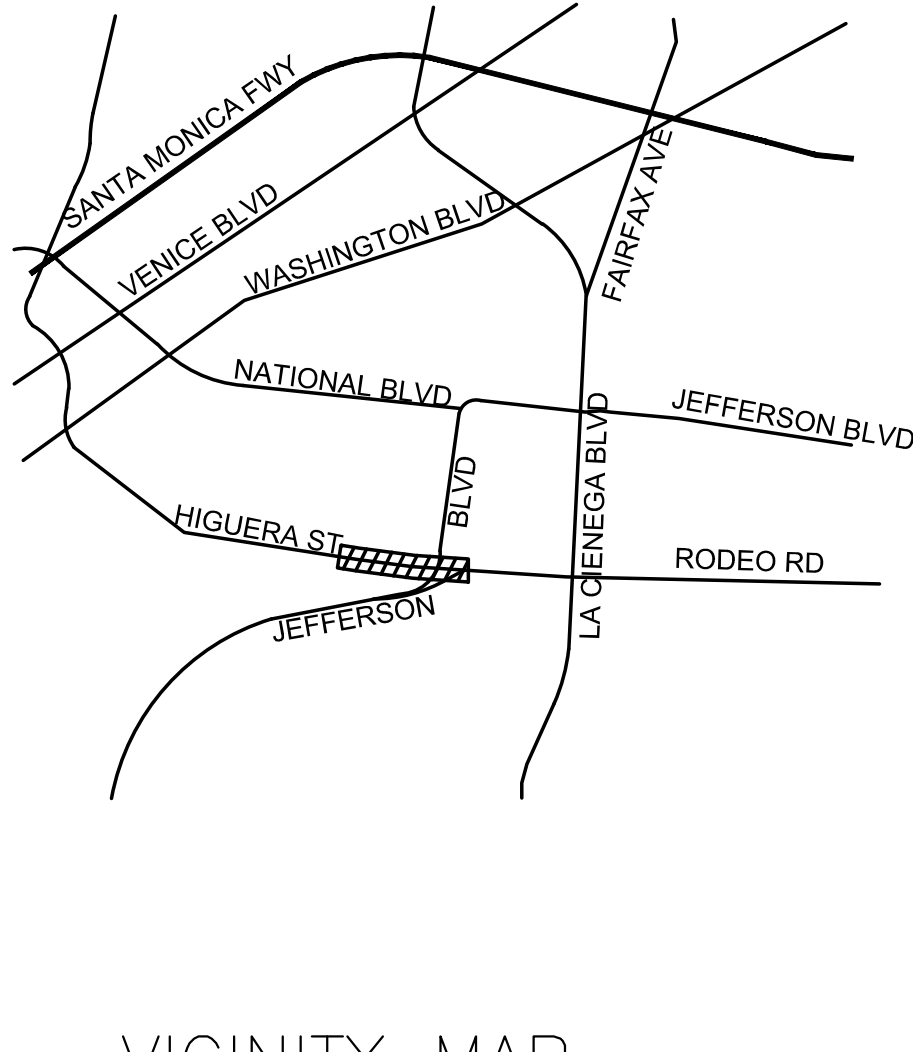
NOTICE TO CITY INSPECTOR/CONTRACTOR NO. 3

- HIGH VOLTAGE CIRCUIT CLEARANCE REQUEST SHALL BE MADE TO THE BUREAU OF STREET LIGHTING AND SHALL BE PERFORMED BY CITY CREWS.
- LOW VOLTAGE CIRCUIT CLEARANCE SHALL BE PERFORMED BY THE QUALIFIED CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
- PRIOR TO CONSTRUCTION, THE CONTARCTOR SHALL SUBMIT (2) COPIES OF THE STREET LIGHTING PLAN (24"X36") AND NOTIFY THE CON AD INSPECTOR TO SUBMIT "CONSTRUCTION START NOTICE" AND M-21 FORM TO LADWP STREET LIGHTING SUPPORT SECTION (111 N. HOPE ST., RM 109, LOS ANGELES, CA 90012).

FOR DETAILED PROCEDURES, SEE balcity.org (CLICK ON THE BUSINESS/CONTRACTORS LINK)

PLAN OF ELECTROLIER LIGHTING SYSTEM

(M)=MAJOR, (S)=SECONDARY, (L)=LOCAL, (C)=COLLECTOR	STREET	FROM	TO
	RODEO RD. (S)	CITY LIMIT WITH CULVER CITY	JEFFERSON BLVD. (M)
	JEFFERSON BLVD. (M)	RODEO RD. (S)	400' SOUTH OF RODEO RD. (S)



VICINITY MAP

SCALE: 1" = 500'

PROJECT AREA

CONTRACTOR: S.L.S.M. 14998	P.M. NO.: 183
INSPECTED BY: ELECTROLIER UNIT: 5	
DATE ENGRAVED: SUPPLIES PLAN NO: 07/14	
DATE ENGRAVED: COUNCIL DISTRICT: CENTRAL	
CORRECTED TO "MS BLAT" BY: THOMAS GUIDE: 672, JT	
COUNTY ASSESSOR'S PARCEL NO'S: 400-005-001, 400-007-017, 400-007-019	
CHECKED BY: 5/14/15	
SUPERVISED BY: 5/14/15	

SIGNATURES	DATE
VIA	07/14
IN	07/14
FORWARDED BY: <i>John Williams</i>	05/14/15
CHECKED BY: <i>John Williams</i>	5/14/15
SUPERVISED BY: <i>John Williams</i>	5/14/15

CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY :

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

PLANS PREPARED BY:

PSOMAS

555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400, Fax (213) 223-1444
www.psomas.com

SIGNATURE

5/12/2015
DATE



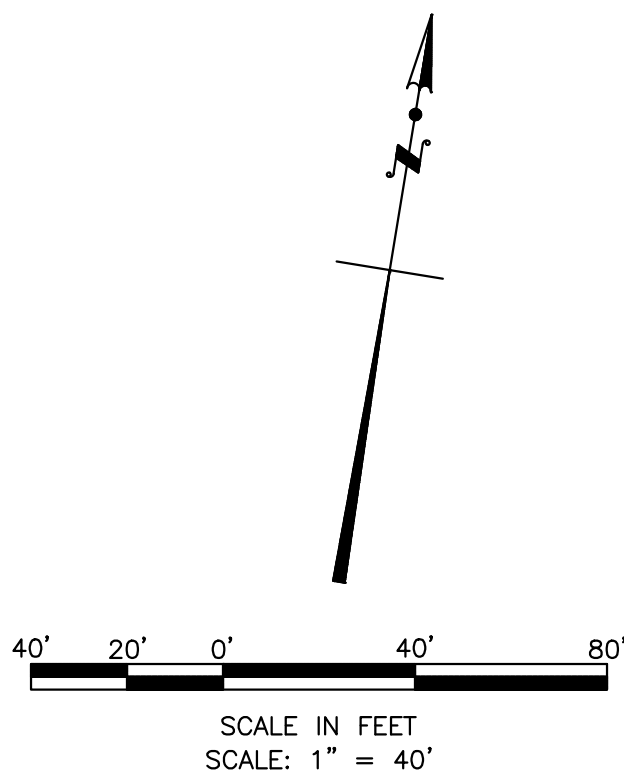
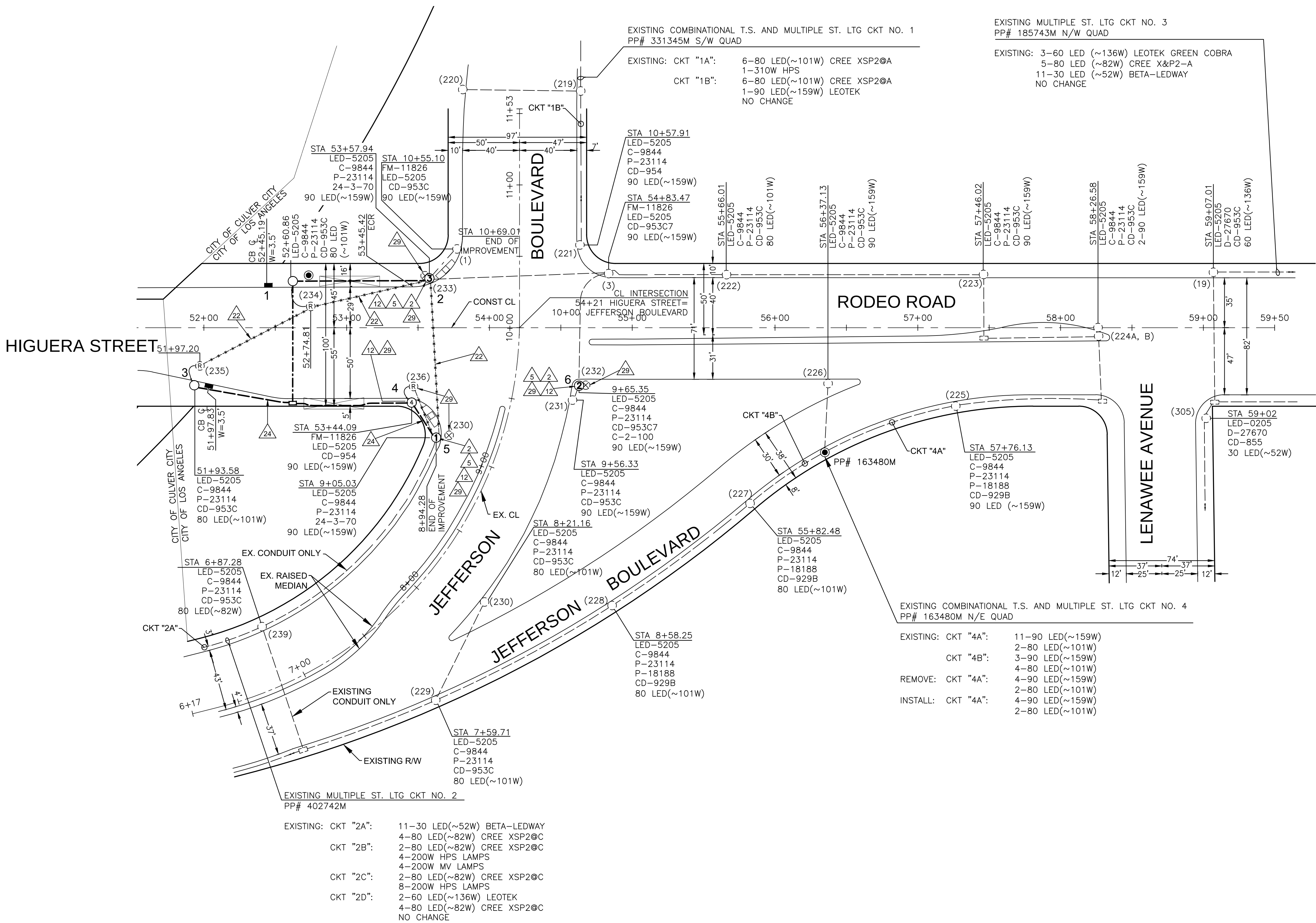
RODEO RD FROM JEFFERSON TO 240' W/O
BR003512

CITY OF LOS ANGELES ED EBRAHIMIAN, DIRECTOR BUREAU OF STREET LIGHTING			ACCEPTANCE	
OTHER DEPARTMENT/BUREAU ACCEPTANCE				
DEPARTMENT OR BUREAU	ENGINEER	DATE		
ENGINEERING, DISTRICT OFFICE	<i>John Williams</i>	08/22/2016		5/15/15
DEPT. OF TRANSPORTATION				DATE
STREET SERVICES, URBAN FORESTRY				5/15/15
ENGINEERING, STRUCTURAL				DATE
				5/15/15
				DATE

SCALE OF ORIGINAL PLAN: 1" = 40' SHEET 13 OF 43 SHEET(S) INDEX NUMBER

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

M:\10001000\Public\Works\Sheets\SL-02.dwg May 12, 2015 8:46am



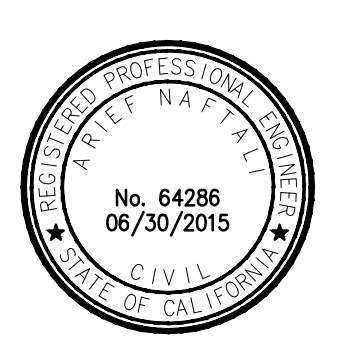
CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY :
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE: 5/12/2015

PLANS PREPARED BY:
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400, Fax (213) 223-1444
www.psomas.com

SIGNATURE: [Signature]
DATE: 5/12/2015



RODEO RD FROM JEFFERSON TO 246' W/O
BR003512

CITY OF LOS ANGELES
ED EBRAHIMIYAN, DIRECTOR BUREAU OF STREET LIGHTING

ACCEPTED: [Signature]
DIRECTOR, BUREAU OF STREET LIGHTING

5/15/15
DATE

CONTRACTOR:	
INSPECTED BY:	
DATE ENERGIZED	
DATE ENERGIZED	
CORRECTED TO "AS BUILT"	
BY	

W. R. [Signature]
LABSL 5/14/15

WORKSITE TRAFFIC CONTROL NOTES:

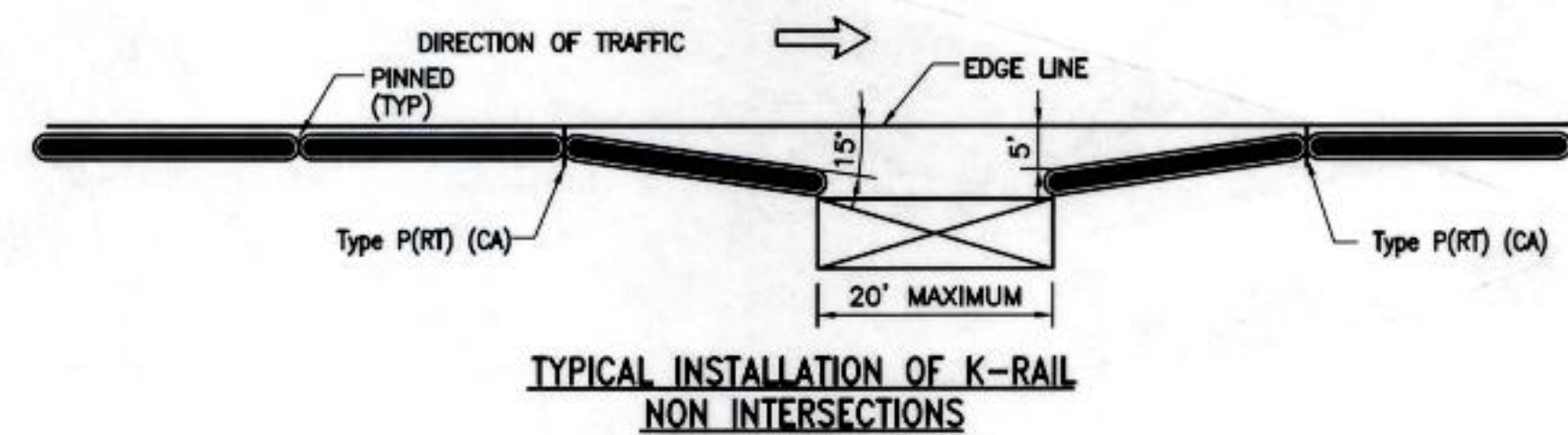
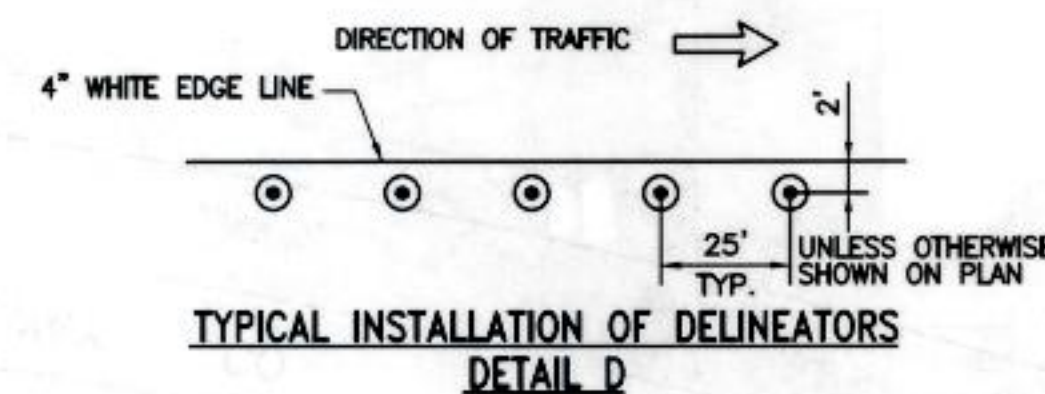
- THESE WORKSITE TRAFFIC CONTROL STAGES ARE FOR THE REPLACEMENT OF HIGUERA - RODEO BRIDGE.
- EXPECTED START DATE IS JULY 7, 2015 FOR THE DURATION OF 20 MONTHS. TEMPORARY 1 WEEK CLOSURE FROM MAY 25-29, 2015.
- CONTACT DON SCHIMA AT (213) 972-5968 FOR LADOT PERSONNEL RESPONSIBLE FOR WTCP IMPLEMENTATION/MAINTENANCE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND MATERIAL INVOLVED IN THE REMOVAL, INSTALLATION, AND MAINTENANCE OF ALL STRIPING, PAVEMENT MARKINGS, SIGNING, BARRICADING, DELINEATORS, ETC SHOWN ON THESE TRAFFIC CONTROL PLANS/ DETOUR PLANS AND AS CONSTRUCTION STAGING NECESSITIES. LINES AND MARKINGS SHALL BE REMOVED BY WET SANDBLASTING/GRINDING IN ACCORDANCE WITH THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT) SPECIFICATION NO. 79-016-10. PAINTING OVER THE EXISTING STRIPING WITH BLACK PAINT IS NOT PERMITTED. TEMPORARY REFLECTIVE PAVEMENT MARKERS (SEE LADOT STANDARD PLANS: S-453.0) SHALL BE MAINTAINED BY THE CONTRACTOR ADJACENT TO THE SCAR OF THE SANDBLASTED CENTERLINE OR TAPED CENTERLINE.
- THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE LADOT TEMPORARY TRAFFIC MANAGEMENT SECTION AT VICTOR.YANG@LACITY.ORG (EMAIL) AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION WITH THE DATE(S) OF IMPLEMENTATION & TYPE OF TEMPORARY TRAFFIC CONTROL IMPLEMENTATION (INCLUDE ACCEPTANCE DATE ON PLAN & SHEET NUMBER) & BRIEF DESCRIPTION OF WORK. DEPARTMENT OF TRANSPORTATION RESERVES THE RIGHT TO OBSERVE THESE CONTROL PLANS IN USE AND TO MAKE NECESSARY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL SUPERSEDE THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL TRAFFIC CONTROL DEVICES NECESSARY TO ENSURE PUBLIC SAFETY AT ALL TIMES DURING CONSTRUCTION.
- ALL CONSTRUCTION RELATED WARNING SIGNS SHALL BE IN BLACK LEGEND WITH ORANGE BACKGROUND AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD (2012 EDITION).
- THE SIGNING AND STRIPING SHOWN FOR REMOVAL ON THESE PLANS MAY BE DIFFERENT FROM WHAT EXISTS AT TIME OF INSTALLATION OF A CONSTRUCTION STAGE. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND STRIPING, WHETHER OR NOT IT IS DEPICTED ACCURATELY ON THESE PLANS.
- CONTRACTOR SHALL NOTIFY METRO AT (213) 922-4632 OR ANY OTHER AFFECTED TRANSIT SERVICES AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION.
- 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, EFFECTIVENESS, AND CONTINUITY.
- CONTRACTOR SHALL PROVIDE FLAGGERS AS DEEMED NECESSARY BY CITY. A FLAGGER SHALL USE THE APPROVED OCTAGONAL STOP/SLOW PADDLE, SHALL WEAR YELLOW TYPE III SAFETY VEST (PADDLE AND VEST MUST BE REFLECTORIZED FOR NIGHT WORK) AND HARD HAT, AS REQUIRED BY THE WATCH MANUAL, AND MUST BE PROPERLY TRAINED BY THE CONTRACTOR FOR PERFORMING THE WORK SAFELY. APPROPRIATE ADVANCE SIGNS MUST ALSO BE INSTALLED, PER THE WATCH MANUAL.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED FOLLOWING COMPLETION OF EACH CONSTRUCTION STAGE AND THE PERMANENT TRAFFIC CONTROL DEVICES SHALL BE RESTORED BY THE CONTRACTOR UPON REMOVAL OF DETOUR STRIPING.
- ALL SIGNS, DELINEATORS, BARRICADES, ETC., SHALL BE CONFORM TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS LATEST EDITION, "2012 CALIFORNIA MUTCD," 2012 WATCH MANUAL, AND NOTICE TO CONTRACTORS-COMPREHENSIVE, STANDARD PLAN S-610 (LATEST EDITION).
- CONTRACTOR SHALL NOTIFY LADOT'S SIGNAL MAINTENANCE SUPERVISOR AT (213) 485-7721 FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION WITHIN 10-FOOT OF EXISTING TRAFFIC SIGNAL DETECTOR LOOPS, CONDUIT, INTERCONNECT, OR ATSC FIBER OPTIC CABLE.
- ANY DAMAGE TO TRAFFIC SIGNAL DETECTOR LOOPS, CONDUITS, INTERCONNECT, OR FIBER OPTIC CABLE SHALL BE REPAIRED IMMEDIATELY BY A QUALIFIED CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. LADOT HAS THE OPTION TO DO THE REPAIR AND BILL THE CONTRACTOR. DELAYS IN REPAIR OF INTERCONNECT OR ATSC FIBER OPTIC CABLE WILL REQUIRE THE PAYMENT OF LIQUIDATION DAMAGE TO THE CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION. IMMEDIATELY NOTIFY LADOT SIGNAL REPAIR PERSONNEL AT (213) 485-7721 OF ANY DAMAGES.
- FOR WTCP IMPLEMENTATION DURATION OF LESS THE ONE (1) MONTH, THE CONTRACTOR SHALL CONTACT THE LADOT SPECIAL TRAFFIC CONTROLS OFFICE AT (213) 485-2298 AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF EACH NEW CONSTRUCTION STAGE FOR THE INSTALLATION OF TEMPORARY "TOW AWAY NO STOPPING ANY TIME" SIGNS. INSTALLATION OF THE TEMPORARY "TOW AWAY NO STOPPING ANY TIME" SIGNS AT PARKING METER ZONES SHALL ALSO INCLUDE COVERING METER HEADS AND THE ASSOCIATED PARKING RESTRICTION. FOR WTCP IMPLEMENTATION DURATION OF MORE THAN ONE (1) MONTH, THE CONTRACTOR SHALL FURNISH AND INSTALL "TOW AWAY NO STOPPING ANY TIME" SIGN PER CITY SPECIFICATION (METAL AND REFLECTORIZED). CONTACT LADOT TEMPORARY TRAFFIC MANAGEMENT ENGINEER FOR SAMPLES.
- THERE SHALL BE NO STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT OUTSIDE THE DESIGNATED WORK AREA AS INDICATED IN THE WTCP. STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THE DESIGNATED AREA SHALL BE DONE IN A MANNER NOT TO CREATE VISIBILITY OBSTRUCTIONS TO THE MOTORING PUBLIC.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES AND SHALL COORDINATE WITH RESIDENTS/BUSINESSES ANY CLOSURE/LIMITED ACCESS TO THEIR DRIVEWAYS.
- NOTIFY FILM LA (JOSH MINGO) AT (213)977-8600 AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION TO COORDINATE WITH FILMING ACTIVITIES.
- CONTRACTOR SHALL PERFORM WORK IN ONLY ONE STAGE AT A TIME. THE CONTRACTOR SHALL ONLY UTILIZE THAT PORTION OF THE DESIGNATED "WORK AREA" WHICH IS NEEDED FOR CONSTRUCTION AT ANY GIVEN TIME.
- THE CROSSWALKS ACROSS THREE LEGS OF ANY SIGNALIZED INTERSECTION SHALL BE MAINTAINED AT ALL TIMES. "NO PED CROSSING" R9-3/R9-3b SIGNS SHALL BE INSTALLED WHEN A PAINTED CROSSWALK IS UNAVAILABLE FOR USE DUE TO CONSTRUCTION. PEDESTRIAN SIGNAL INDICATIONS FOR THE CLOSED CROSSWALK SHALL BE COVERED PER WATCH MANUAL (SECTION 6-2).
- CONTRACTOR SHALL INSTALL R3-18 (NO LEFT AND NO U-TURN) SIGNS AT INTERSECTIONS WHERE THE LEFT TURN LANE HAS BEEN CLOSED FOR CONSTRUCTION. SIGNS SHOULD BE INSTALLED ON MAST ARMS AND FAR LEFT OF THE INTERSECTION OR AT LOCATIONS WHERE THEY WILL BE CLEARLY VISIBLE BY THE THRU TRAFFIC.
- FOR OTHER REQUIREMENTS RELATED TO TRAFFIC CONTROL PLANS AND WORK AREA MAINTENANCE, THE CONTRACTOR SHALL FOLLOW THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2012 EDITION, "WORK AREA TRAFFIC CONTROL HANDBOOK" (WATCH MANUAL) LATEST EDITION, ALL RELATED SECTIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, INCLUDING SECTION 7-10 "PUBLIC CONVENIENCE AND SAFETY," AND 302-4.4 "PUBLIC CONVENIENCE AND TRAFFIC CONTROL."
- CONTRACTOR SHALL PROVIDE CHANGEABLE MESSAGE SIGNS AS FIELD CONDITIONS/DETOURS WARRANT AND AS DEEMED NECESSARY BY LADOT, EVEN IF THEY ARE NOT SHOWN ON THESE PLANS.
- ALL TEMPORARY SIGNAGE INSTALLED ADJACENT TO PEDESTRIAN TRAVEL WAY MUST ALLOW FOR ADA-COMPLIANT PASSAGEWAYS.
- CONCRETE K-RAIL SECTIONS TO BE CONTINUOUSLY CONNECTED. IN AREAS WITH LESS THAN 2-FEET TO EXCAVATION, SECURE K-RAIL TO PAVEMENT PER CALTRANS SPECIFICATIONS.
- ANY CHANGES TO WORK AREAS, WORK HOURS, AND/OR APPROVED PLANS SHALL BE SUBMITTED TO LADOT FOR REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRIPING (PROPOSED AND EXISTING) SHOWN ON THIS WTCP TO BE IN GOOD CONDITION AND VISIBLE. THE CONTRACTOR SHALL REPAINT ANY FADING EXISTING STRIPING AS DIRECTED BY THE LADOT ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY MISSING OR DAMAGED SIGNS (DUE TO CONSTRUCTION) ACCORDING TO THE LATEST LADOT SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL SIDE REFLECTORS WITH CUBE-CORNER LENSES OR TOP-MOUNTED REFLECTORS (FACING THE DRIVER) ON ALL K-RAIL BARRIERS.
- NEED BOARD OF PUBLIC WORKS APPROVAL FOR ANY LANE OR SIDEWALK CLOSURES.
- ALL STREET, LANE, AND SIDEWALK CLOSURES SHALL BE APPROVED BY THE BOARD OF PUBLIC WORKS (OR THEIR DESIGNEE). IN ADDITION, AND EXEMPTION OF THE MAYOR'S EXECUTIVE DIRECTIVE NO. 2 (RUSH HOUR CONSTRUCTION ON CITY STREET) SHALL BE APPROVED BY THE BUREAU OF ENGINEERING FOR ANY PEAK HOUR LANE CLOSURE.
- THE CONTRACTOR SHALL CONTACT THE LADOT PARKING METER PLANNING SECTION AT (213) 473-8270 FIVE (5) WORKING DAYS IN ADVANCE OF CONSTRUCTION AFFECTING PARKING METERS AND SIGNS AS NEEDED AND, UPON COMPLETION OF THE PROJECT, THE REINSTALLATION OF METERS, SIGNS, AND/OR PAINT AS NEEDED. REMOVAL AND REINSTALLATION COSTS WILL BE DEDUCTED FROM THE CONTRACTOR'S DEPOSIT. FAILURE TO NOTIFY LADOT WILL MAKE THE CONTRACTOR LIABLE FOR THE COST OF ANY MISSING OR DAMAGED METERS, SIGNS, ETC., WHICH LADOT'S RECORDS INDICATE WERE PRESENT.

TEMPORARY STRIPING NOTES:

- REMOVE ALL CONFLICTING STRIPING PRIOR TO INSTALLATION OF WTCP/TCF.
- WHEN REMOVAL IS REQUIRED BY CONSTRUCTION, CROSSWALK MARKINGS AND PEDESTRIAN SIGNAL HEADS SHALL BE REMOVED SIMULTANEOUSLY.
- BUBBLE NOTES: (SEE PLAN SHEETS)
- WHEN REQUIRED BY CONSTRUCTION, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH LACMTA, OR THE APPROPRIATE TRANSIT OPERATION, FOR THE TEMPORARY RELOCATION OF BUS STOPS/ZONE. COORDINATE RELOCATION WITH LADOT FOR INSTALLATION OF TEMPORARY TOW AWAY NO STOPPING-BUS ZONE" SIGNS.
- CONTRACTOR SHALL PROVIDE REFLECTORIZED CONES AT TYPE III BARRICADE SUPPORTS TO ALERT PEDESTRIANS TO THE BARRICADE SUPPORT.
- FIELD CONDITIONS MAY VARY FROM THOSE SHOWN ON THE WTCP. IN THE EVENT FIELD CONDITIONS ARE DIFFERENT, THE CONTRACTOR SHALL COORDINATE WITH LADOT AND THE AUTHORITY BEFORE IMPLEMENTING THE WTCP. THE CONTRACTOR MAY BE REQUIRED TO SUBMIT A REVISED WTCP TO LADOT AND THE AUTHORITY FOR APPROVAL PRIOR TO IMPLEMENTATION.

RESTORATION STRIPING NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND MATERIAL INVOLVED IN THE MARKOUT AND INSTALLATION OF ALL RESTORATION STRIPING/PAVEMENT MARKING. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF ALL CONFLICTING DETOUR, STRIPING, SIGNING, AND OTHER DETOUR-RELATED TRAFFIC CONTROL DEVICES PRIOR TO THE INSTALLATION OF THE FINAL STRIPING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAINTING OF ALL EXISTING STRIPING THAT HAS BEEN DAMAGED DURING THE CONSTRUCTION PROCESS.
- WHEN EXISTING LANE(S) WILL REMAIN OPEN AFTER THE MARKOUT IS ACCOMPLISHED, THE MARKOUT SHALL CONSIST ONLY OF MARKED CONTROL POINTS. WHEN THE MARKOUT WILL BE DONE AS PART OF A CONTINUOUS OPERATION TO MODIFY STRIPING, THEN THE MARKOUT SHALL BE HEAVY PAINT BRUSH MARKINGS OVER A PULLED ROPE IN THE RESPECTIVE WHITE AND YELLOW COLORS OF THE PROPOSED STRIPING. STRIPING AND PAVEMENT MARKING SHALL BE IN HOT APPLIED ALKYLID THERMOPLASTIC IN ACCORDANCE WITH LADOT SPECIFICATION NO. S.51-005-10 AND 76-012-15.
- THE CONTRACTOR SHALL CONTACT LADOT TEMPORARY TRAFFIC MANAGEMENT SECTION AT DON.SCHIMA@LACITY.ORG (EMAIL) AT LEAST FIVE (5) WORKING DAYS BEFORE BEGINNING OF MARKOUT. THE CONTRACTOR SHALL CORRECT ALL ERRORS IN MARKOUT REQUESTED BY LADOT. THE INSTALLATION OF THERMOPLASTIC STRIPING MAY PROCEED ONLY AFTER APPROVAL OF MARKOUT BY THE LADOT ENGINEER.
- TEMPORARY REFLECTIVE RAISED PAVEMENT MARKERS SHALL BE MAINTAINED ADJACENT TO ANY TEMPORARY CENTERLINE, MARKOUT CENTERLINE, OR A SCAR OF A SANDBLASTED CENTERLINE, AS APPLICABLE, AS PER LAYOUT STANDARD PLAN NO. S-453.0 IF CONTRACTOR IS UNABLE TO RESTORE STRIPING AS PLANNED.



LEGEND:

- EXISTING STRIPING & MARKINGS TO REMAIN
- EXISTING STRIPING & MARKINGS TO BE REMOVED
- PROPOSED STRIPING & MARKINGS
- EXISTING RED CURB MARKINGS TO REMAIN
- EXISTING RED CURB MARKINGS TO BE REMOVED
- PROPOSED RED CURB MARKINGS
- EXISTING SIGN AND POST
- EXISTING SIGN AND POST TO BE REMOVED OR RELOCATED
- PROPOSED SIGN AND POST
- SIGNALIZED INTERSECTION
- PROPOSED TYPE III BARRICADE WITH SIGN(S)
- PROPOSED WORK AREA
- TEMPORARY DELINEATORS WITH REFLECTIVE SHEETING (SPACED AS SHOWN ON PLAN)
- PORTABLE CHANGEABLE MESSAGE SIGN
- PROPOSED 20' K-RAIL (INTERCONNECTED)
- PROPOSED FLASHING ARROW BOARD "DIAMOND"

NOTES:

- LENGTH OF DESIGN : 500 ±

W4-7	W20-3	C50(CA)
R3-5	W20-1	M4-10
W3-1	OM1-1 (YELLOW)	R1-1
NO PEDESTRIAN CROSSING	SPEED LIMIT 35	R3-1
END	R3-2	R3-4
R81B(CA)	R3-2	R3-4
ONLY	R3-5A	R3-7
R3-18	R4-7	
ONE-WAY	R6-1	R9-3A
USE CROSSWALK	R9-3B	R9-3B
NO TURN ON RED	R10-11	R11-4
ROAD CLOSED	R11-2	R81(CA)
BEGIN	R81A(CA)	SW44(CA)
W4-1	W12-1	
DETOUR AHEAD	W20-2	G20-2
DATE	1/15/15	DATE
BY	JS	DATE
SUPERVISOR	DATE	DATE
DISTRICT	DATE	DATE
SIGNALS	DATE	DATE
DATE	DATE	DATE
BY	DATE	DATE
REVISION DESCRIPTION	DATE	DATE
NO.	DATE	DATE

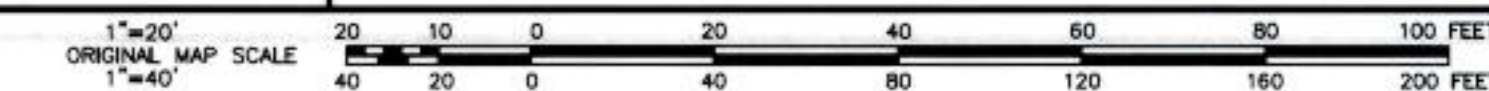
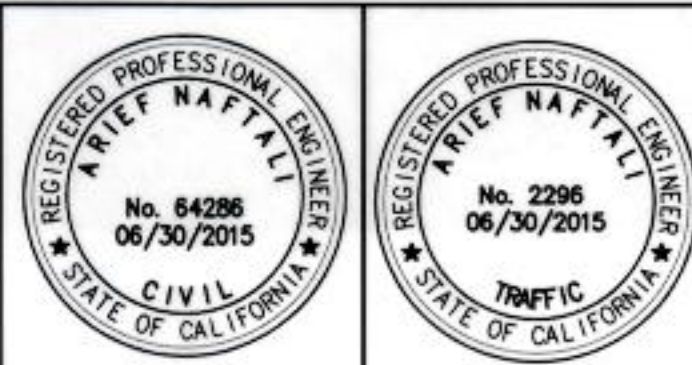
NOTICE : IF THE PLAN HAS NOT BEEN IMPLEMENTED WITHIN TWO (2) YEARS OF THE APPROVAL DATE, IT MUST BE RESUBMITTED TO LADOT FOR REVIEW AND ACCEPTANCE.

LADOT HAS DETERMINED THAT THERE WILL BE SIGNIFICANT IMPACT TO TRAFFIC CIRCULATION DUE TO THE REQUESTED EXEMPTION FOR LANE CLOSURES DURING PEAK PERIODS. LADOT'S ACCEPTANCE OF THIS WORKSITE PLAN DOES NOT CONSTITUTE A MITIGATION FOR SUCH AN IMPACT.

NOTES, LEGEND AND DETAILS
WORKSITE TRAFFIC CONTROL PLAN
HIGUERA STREET BRIDGE REPLACEMENT
PROJECT BR003512

REVIEWED	May 13, 2015	20 15	ACCEPTED	May 13, 2015	20 15
for Transportation Engineer			Senior Transportation Engineer		
INSTALLATION DATES			CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION SELETA J. REYNOLDS, GENERAL MANAGER		
MARKOUT BEGAN:			HIGUERA STREET EASTHAM DRIVE TO JEFFERSON BOULEVARD		
MARKOUT COMPLETED:			PROJECT NO. BR003512		
STRIPING COMPLETED:			DRAWING NO. D-0312		
References:			1		
Thomas Gude	District	672, JI	Hollywood-Wilshire	DATE	4
SAVEMY ROME, P.E. ASSOCIATE ENGINEER			DATE		
HORIZ. 1"= NTS			SHEET 15 OF 43		
VERT. 1"= NTS			INDEX NUMBER		

PLANS PREPARED BY:
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444
05/11/2015
DATE
ARIEF NAFTHALI, P.E., T.E.

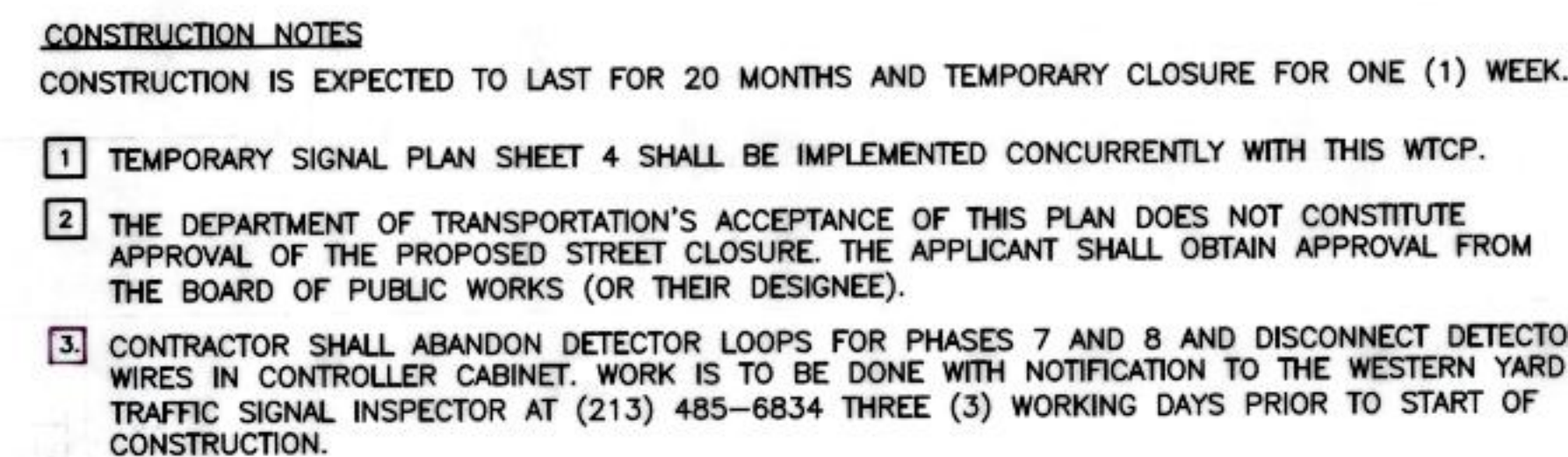
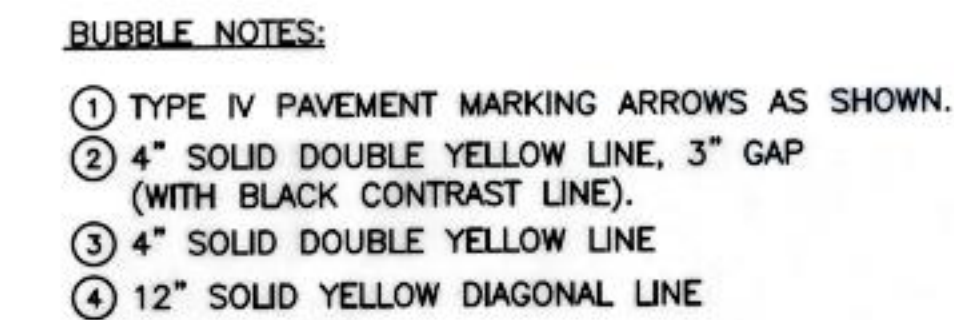


SCALES

HORIZ. 1"= NTS
VERT. 1"= NTS

SHEET 15 OF 43

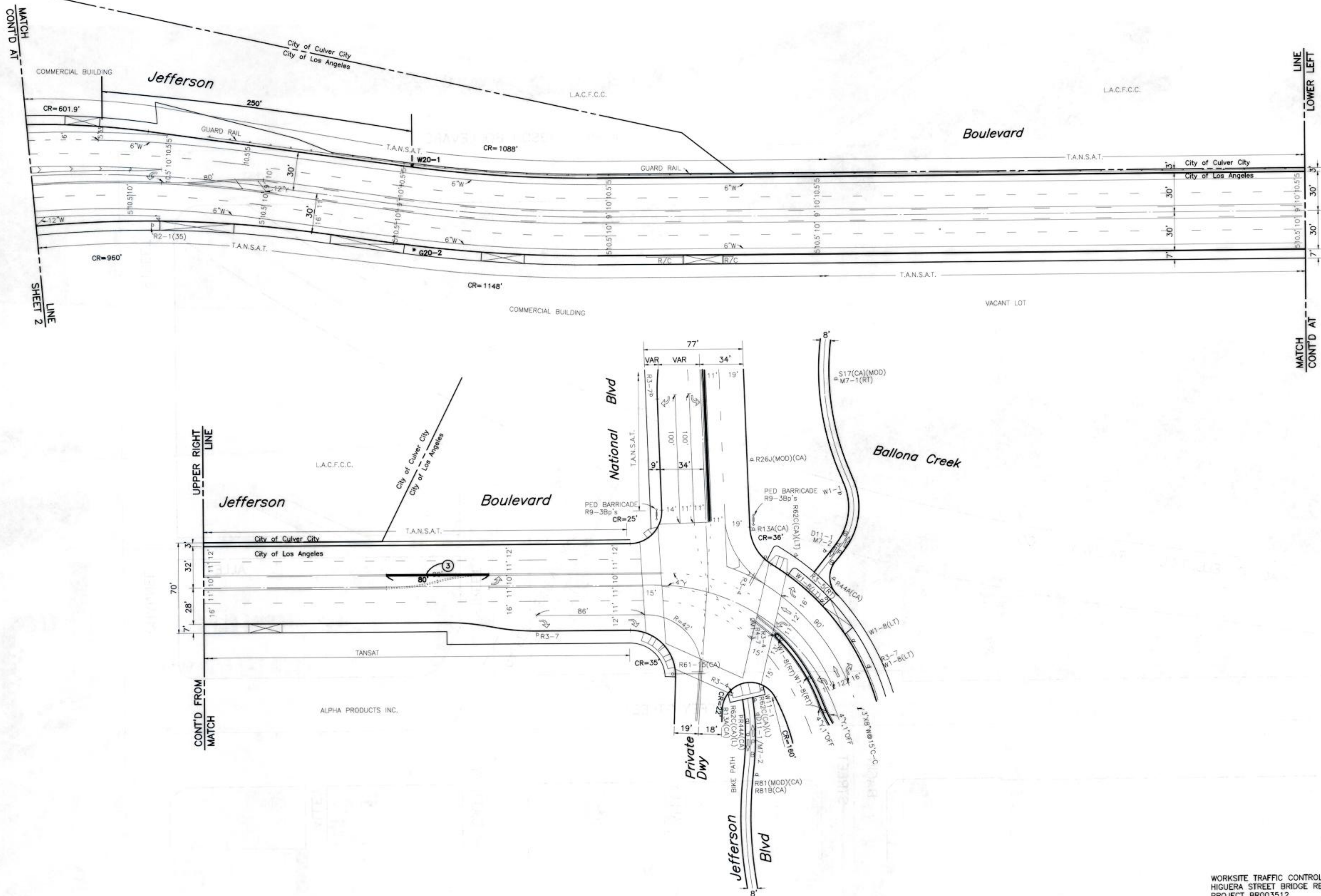
INDEX NUMBER



NOTE TO CONTRACTOR:
CONTRACTOR SHALL PROVIDE
ACCESS TO ALL BUSINESSES
DURING CONSTRUCTION.

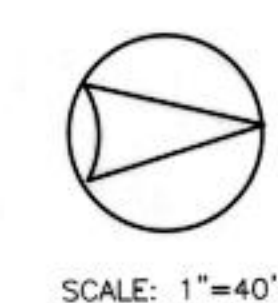
REVIEWED <u>May 13</u> <u>1965</u> <u>As Noted</u> <u>for</u> <u>Transportation Engineer</u>	TO <u>15</u>	ACCEPTED <u>May 13, 1965</u> <u>W. J. Reynolds</u> <u>Senior Transportation Engineer</u>	DATE <u>15</u>
INSTALLATION DATES	CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION SELETA J. REYNOLDS, GENERAL MANAGER		
MARKOUT BEGAN:	HIGUERA STREET EASTHAM DRIVE TO JEFFERSON BOULEVARD		
MARKOUT COMPLETED:			
STRIPING COMPLETED:			
References: A-0738 A-5862 A-2137 A-6241 010.014 P-23114 FIELD CHECK	PROJECT NO. <u>BR003512</u>		
Thomas Guide <u>672, JI</u>	District <u>Hollywood—</u> <u>Wishire</u>	DRAWING NO. <u>D-0312</u>	<u>2</u> <u>4</u>
SHEET <u>16</u> OF <u>43</u>		INDEX NUMBER	

INDEX NUMBER



BUBBLE NOTES:
 ③ 4" SOLID DOUBLE YELLOW LINE

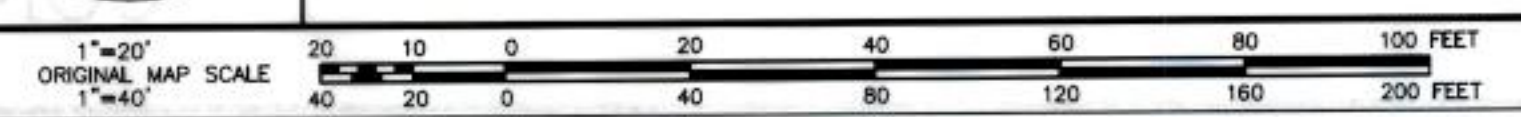
NOTE TO CONTRACTOR:
 CONTRACTOR SHALL PROVIDE
 ACCESS TO ALL BUSINESSES
 DURING CONSTRUCTION.



WORKSITE TRAFFIC CONTROL PLAN
 HIGUERA STREET BRIDGE REPLACEMENT
 PROJECT BR003512

REVIEWED May 13, 2015 for Transportation Engineer	ACCEPTED May 13, 2015 Senior Transportation Engineer
CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION SELETA J. REYNOLDS, GENERAL MANAGER	
HIGUERA STREET EASTHAM DRIVE TO JEFFERSON BOULEVARD	
PROJECT NO. BR003512	DRAWING NO. D-0312
SHEET 17 OF 43	

PLANS PREPARED BY:
PSOMAS
 555 South Flower Street, Suite 4300
 Los Angeles, CA 90071
 (213) 223-1400 Fax (213) 223-1444
 ARIEF NAFTALI, P.E., T.E.
 05/11/2015
 DATE



SCALES
 HORIZ. 1"=40'
 VERT. 1"= NTS

INDEX NUMBER

END ROAD WORK G20-2	ROAD WORK AHEAD W20-1
SPEED LIMIT 35 R2-1	NO LEFT TURN R3-1
ONE WAY ONLY R3-5A	NO RIGHT TURN R3-4
USE CROSSWALK R9-3B	RIGHT LANE MUST TURN RIGHT R3-7
OM1-3 (YELLOW)	NO U-TURN R4-7
W1-8(LT)	NO LEFT TURN R9-3A
W1-8(RT)	USE CROSSWALK R9-3B
W11-1	R44A(CA)
R13A(CA)	W1-1
R26J(MOD)(CA)	D11-1
END R81B(CA)	M7-1
	M7-2

DATE	1/15/15	DATE	
BY	JS	PRINCIPAL	
SUPERVISOR		T.E./S.R. T.E.	
DISTRICT		REVISION DESCRIPTION	
DATE			
BY			
CHECK			
DESIGN			

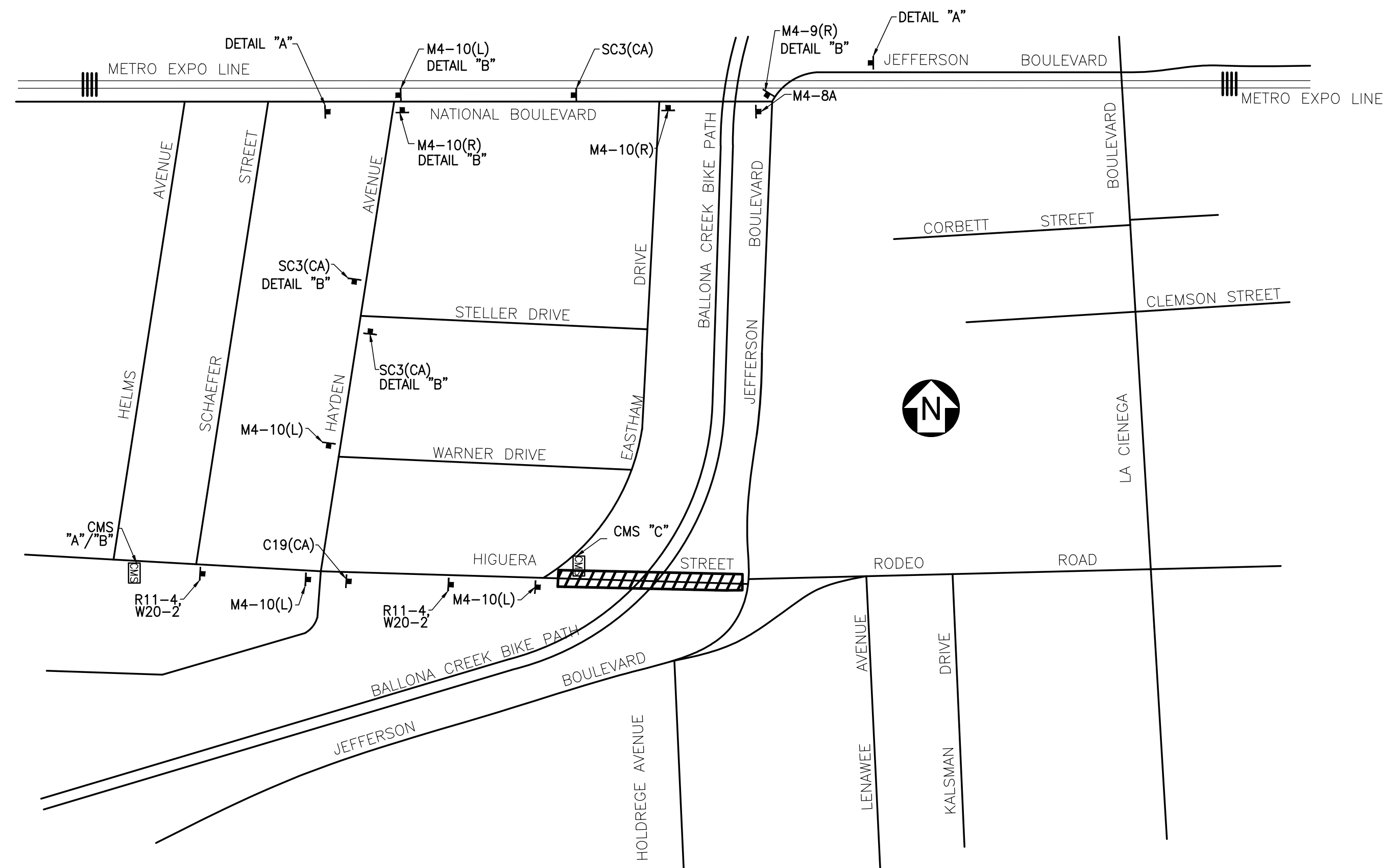
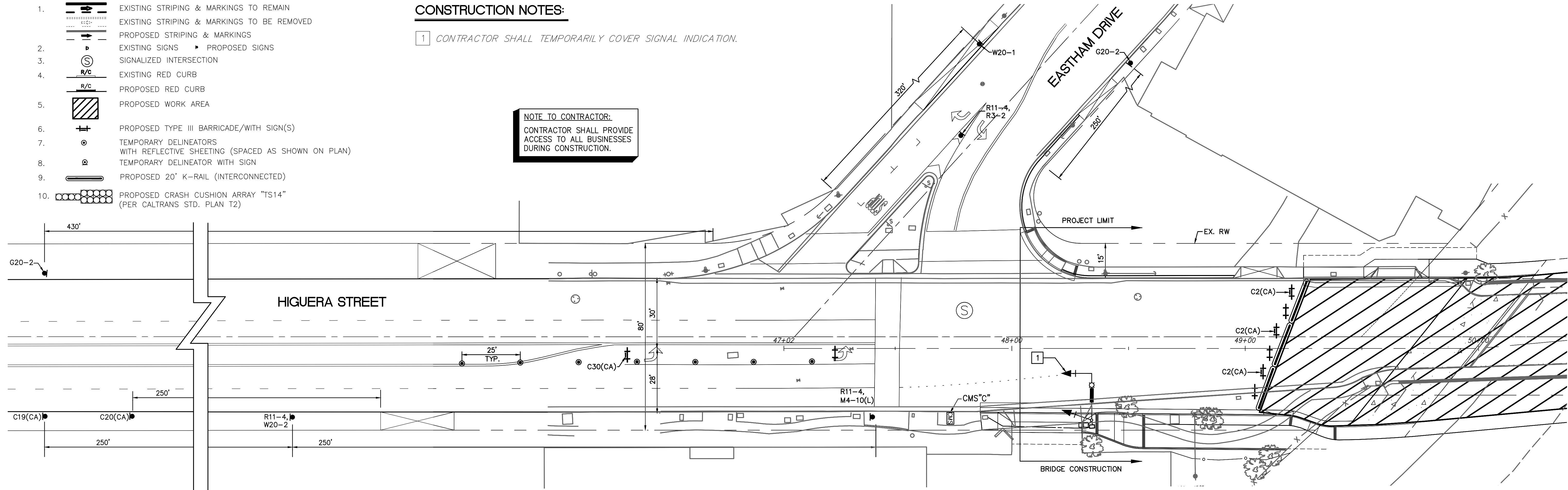
M:\1100010100\Public_Works\Sheets\TC-04.dwg [TC-04] Mon, 26 Sep 2016, 8:56 AM - vincent.hellens

- LEGEND**
1. EXISTING STRIPING & MARKINGS TO REMAIN
 2. EXISTING STRIPING & MARKINGS TO BE REMOVED
 3. PROPOSED STRIPING & MARKINGS
 4. EXISTING SIGNS
 5. PROPOSED SIGNS
 6. SIGNALIZED INTERSECTION
 7. EXISTING RED CURB
 8. PROPOSED RED CURB
 9. PROPOSED WORK AREA
 10. PROPOSED TYPE III BARRICADE/WITH SIGN(S)
 11. TEMPORARY DELINEATORS WITH REFLECTIVE SHEETING (SPACED AS SHOWN ON PLAN)
 12. TEMPORARY DELINEATOR WITH SIGN
 13. PROPOSED 20' K-RAIL (INTERCONNECTED)
 14. PROPOSED CRASH CUSHION ARRAY "TS14" (PER CALTRANS STD. PLAN T2)

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL TEMPORARILY COVER SIGNAL INDICATION.

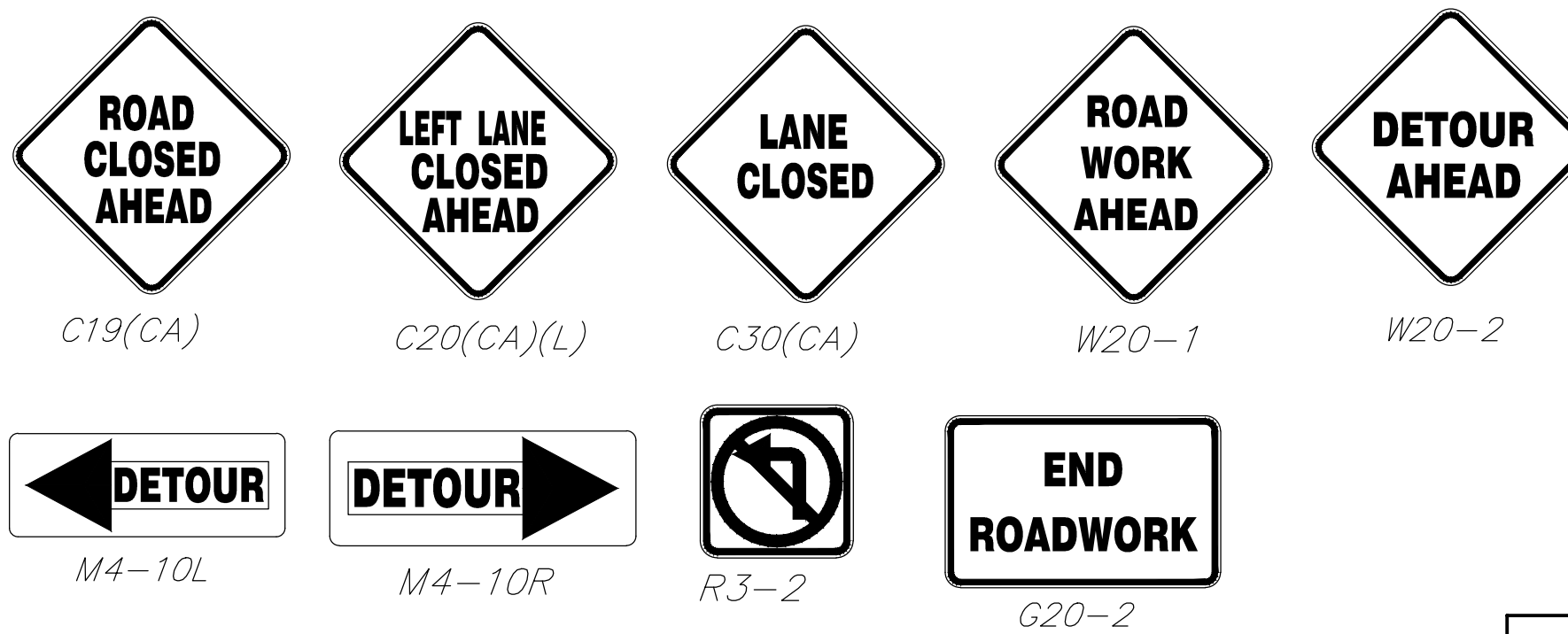
NOTE TO CONTRACTOR:
CONTRACTOR SHALL PROVIDE ACCESS TO ALL BUSINESSES DURING CONSTRUCTION.



DETOUR MAP

NTS

SIGN LEGEND:



HIGUERA ST
CLOSED
AT
JEFFERSON
USE DETOUR

HIGUERA ST

DETAIL "A"

DETAIL "B"

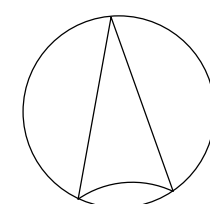
HIGUERA
WILL BE
CLOSED
AT
JEFFERSON
BLVD
XXX
TO
XXX
CMS (ONE MONTH PRIOR)
CMS "A"

HIGUERA
BRIDGE
CLOSED
DETOUR
USE
NATIONAL

CMS (DURING CONSTRUCTION)
CMS "B"

BUSINESS
OPEN
DURING
CONSTRUC
TION

CMS (DURING CONSTRUCTION)
CMS "C"



SCALE: 1"=40'

REVIEWED BY :

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

PLANS PREPARED BY:

PSOMAS

555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

ARIEF NAFTALI, T.E. 2296

Sep 26, 2016



HIGUERA BRIDGE REPLACEMENT PROJECT

CULVER CITY PUBLIC WORKS DEPARTMENT

HIGUERA STREET
AT EASTHAM DRIVE

TRAFFIC CONTROL PLAN

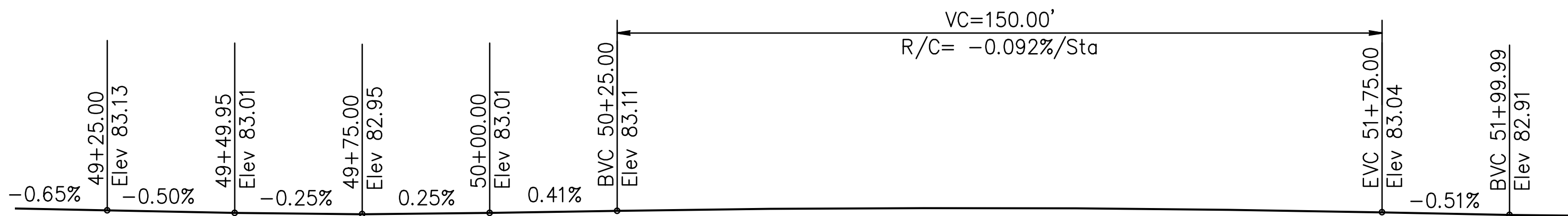
BR003512

JOB

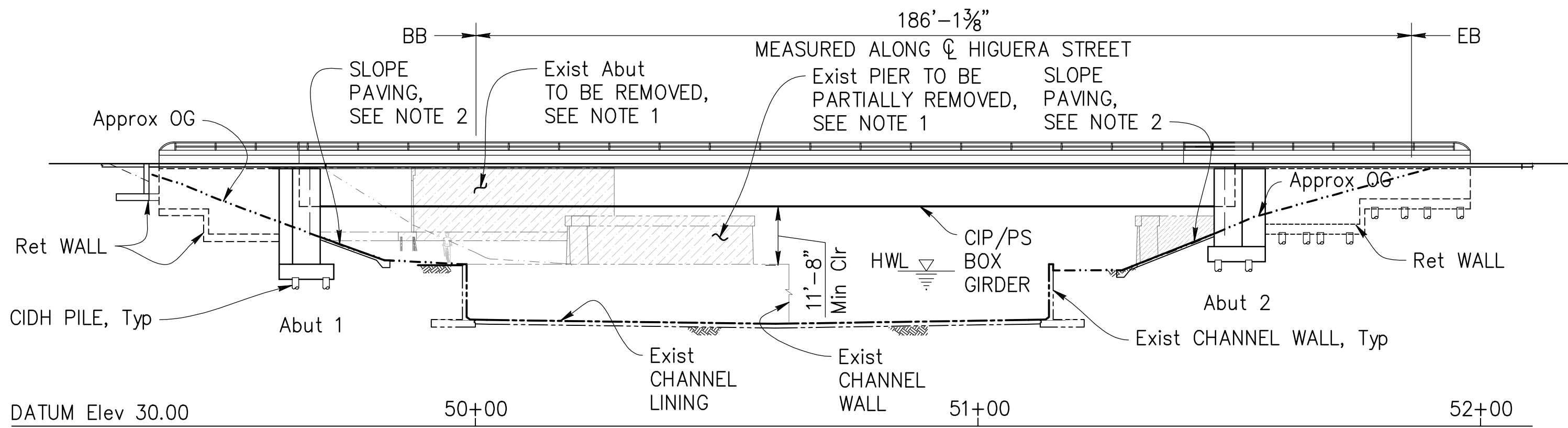
DWG

SHEET 19 OF 43

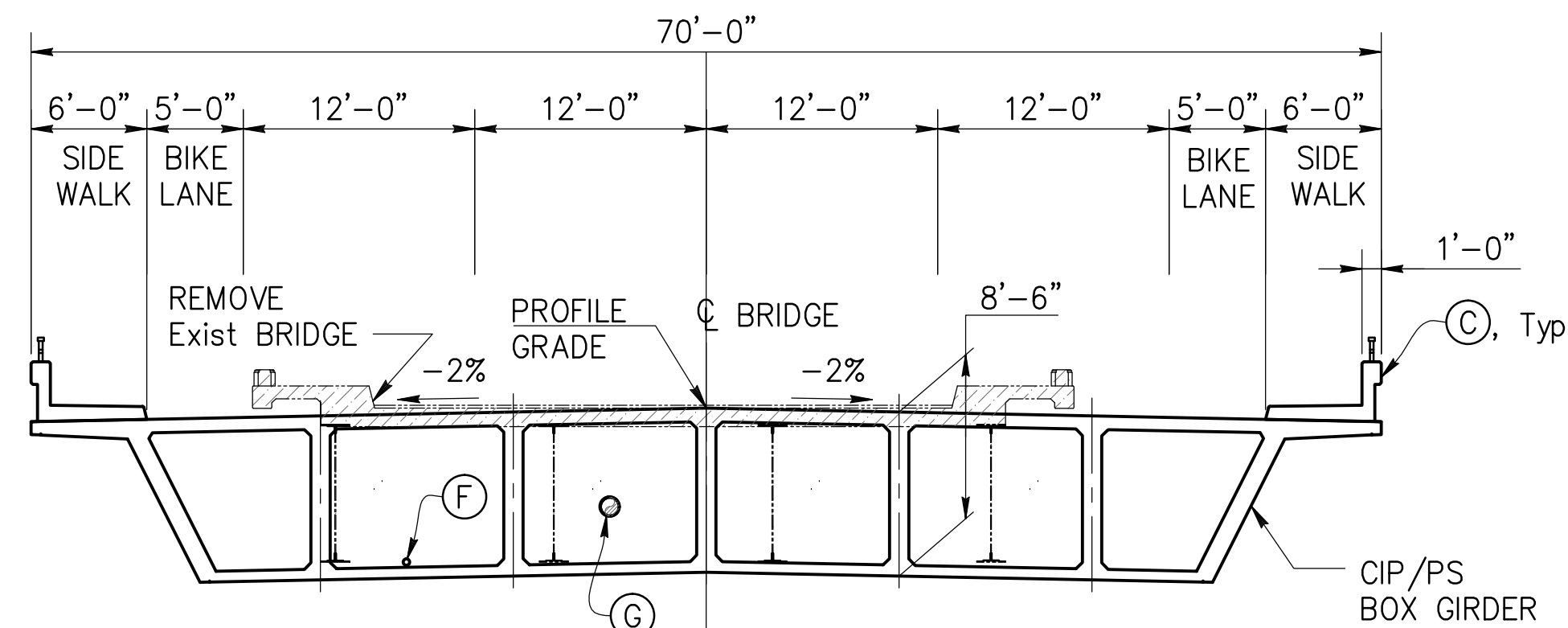
Z:\Desktop\IDC\CAD\206-01-10_Culver City\FINAL Bridge\53097E-a-001.dwg [General Plan] Map, 03 Oct 2016, 4:43 PM - Fohim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
REVISIONS (DESIGN STAGE ONLY)



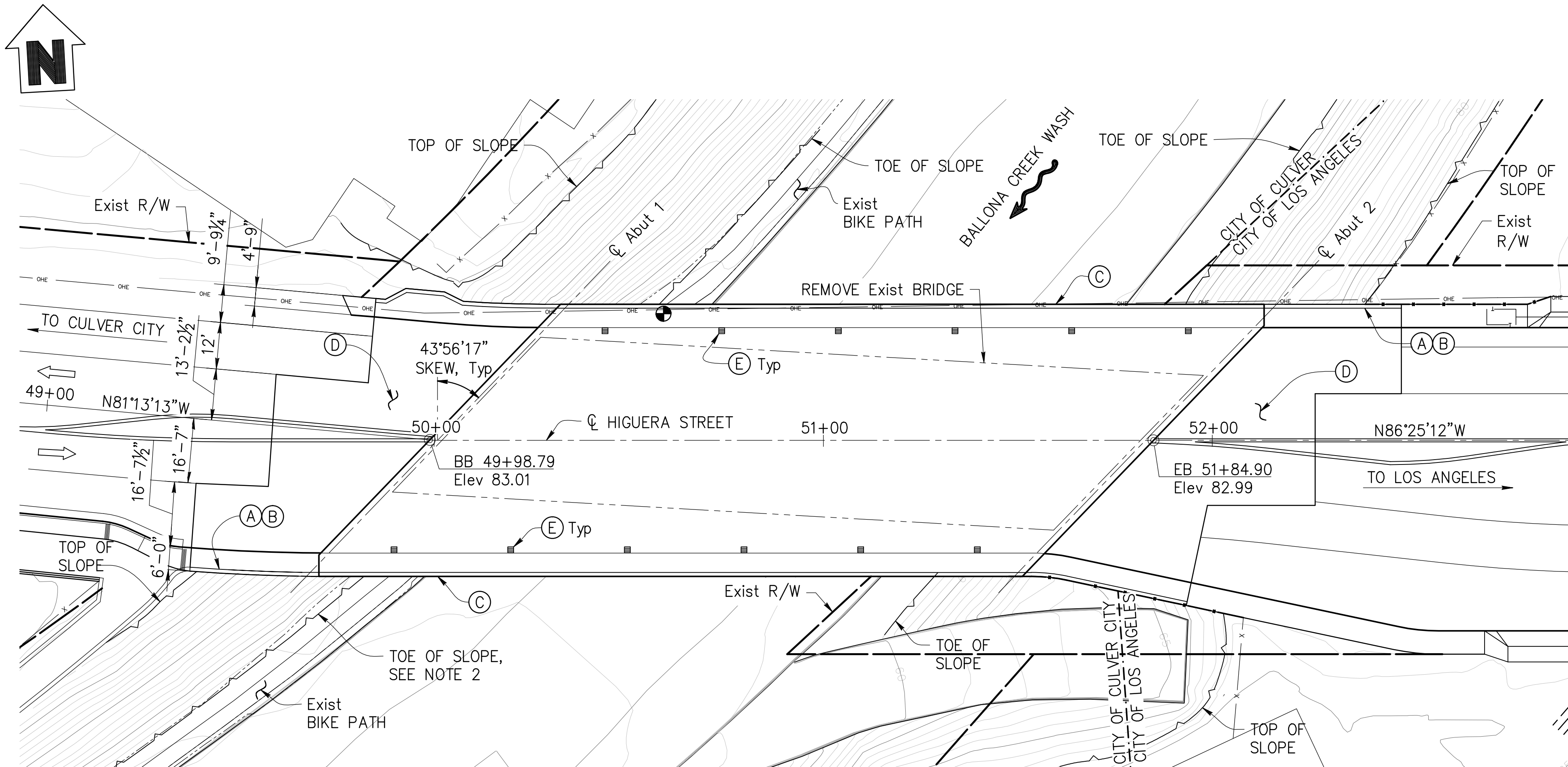
PROFILE GRADE
NO SCALE



ELEVATION
1" = 20'



TYPICAL SECTION
1/8" = 1'-0"



PLAN
1" = 20'

LEGEND:

- Existing Structure
- New Structure
- Existing Structure Removal
- Direction of Traffic
- Direction of Flow

KEY NOTES:

- Point of Minimum Vertical Clearance
- Paint "Bridge No. 54-0781"
- Paint "HIGUERA STREET BRIDGE"
- Concrete Barrier Type 26
- Structure Approach Type N(30S)
- Deck Drain, Type D-2
- AT&T TELEPHONE LINE
- 12"Ø WATER LINE

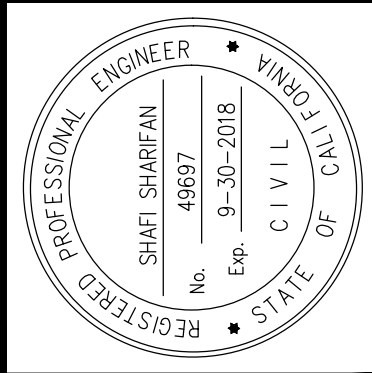
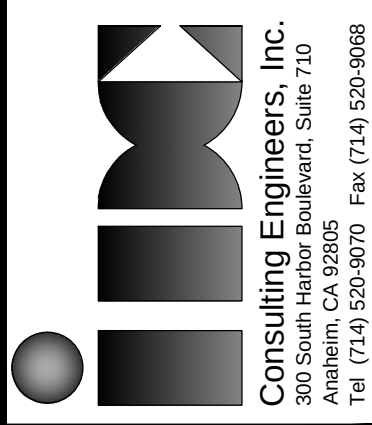
NOTES:

- For removal details, see "DEMOLITION PLAN" sheet.
- For limits of slope paving and details, see "SLOPE PAVING" sheet.

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE:	BY:
REVISIONS:	



APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

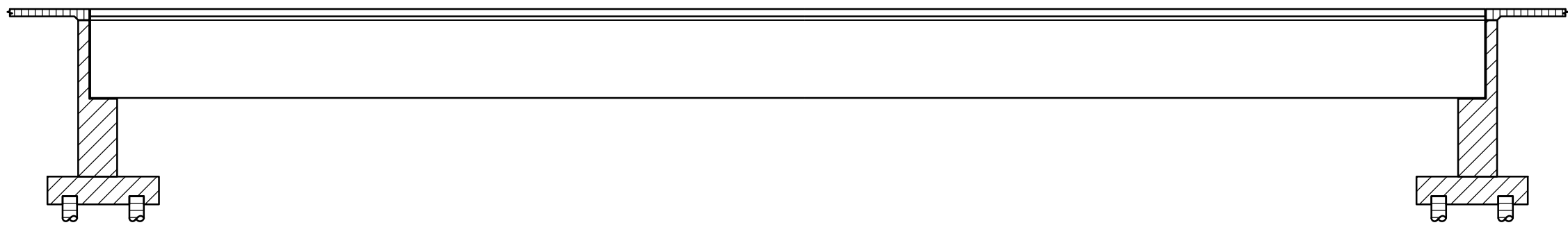
SHEET TITLE:	GENERAL PLAN
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.

S-1

SHEET 21 OF 43 SHEETS

Z:\Dropbox\IDC\CAD\2016-01-10_Culver_City\FINAL Bridge\5300876-a-top.dwg [Index to Plans] Mon, 03 Oct 2016 4:45 PM - Fahim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THIS PLAN SHEET.
REVISION DATES (DESIGN STAGE ONLY)



CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

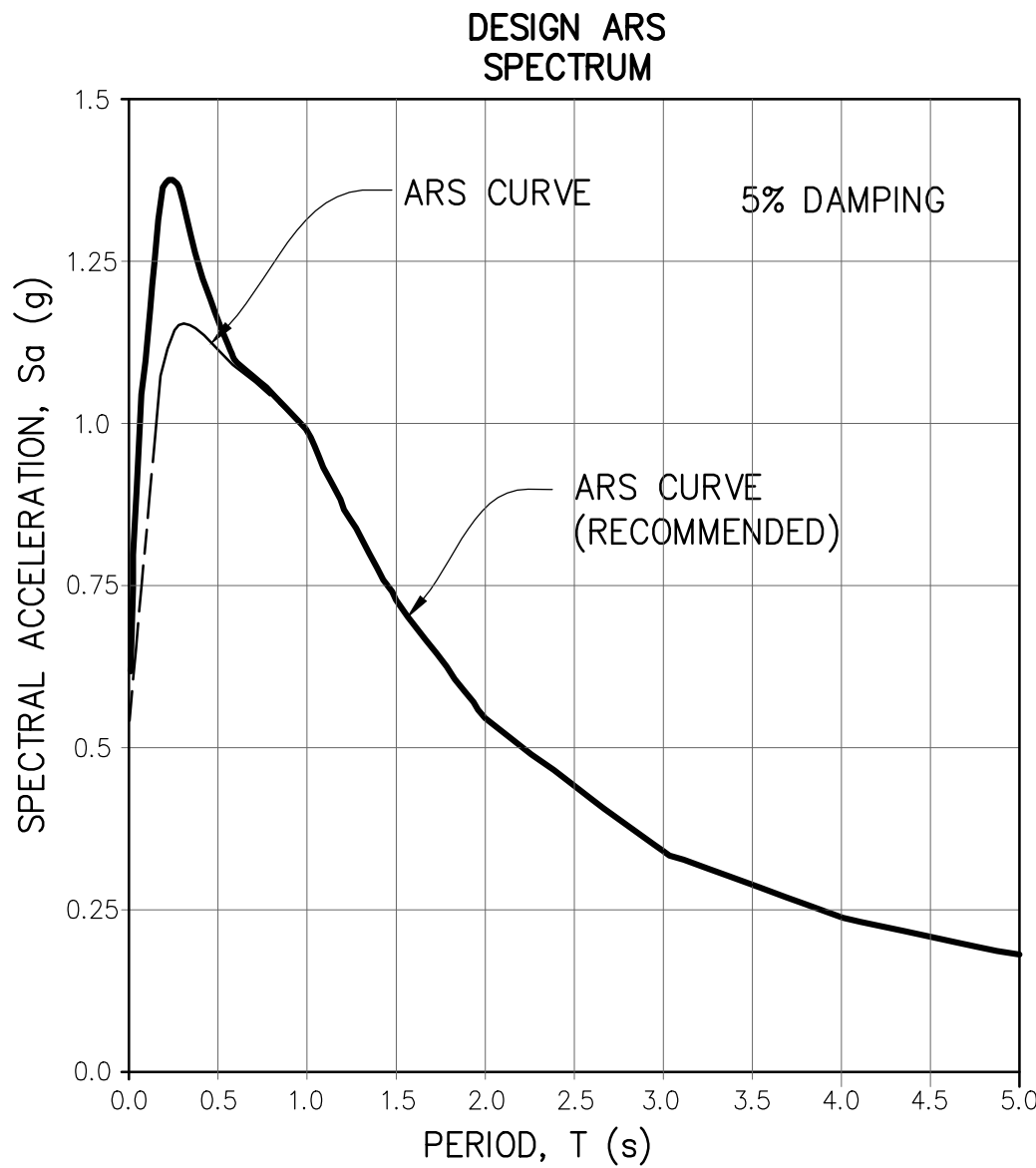
CONCRETE LEGEND:

- Structural Concrete, Bridge (5 ksi @ 28 days)
- Structural Concrete, Bridge Footing and Abutment
- Structural Concrete, Cast-in-Drilled-Hole Piles
- Structural Concrete, Approach Slab (3.6 ksi @ 28 days)

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN:

- DESIGN: AASHTO LRFD Bridge Design Specification, Sixth Edition with California Amendments – 2014
- DEAD LOAD: Includes 35 psf for future wearing surface
- LIVE LOADING: HL93 with Low-boy and permit (CA-P15) Design Load and Pedestrian Load = 75 psf
- SEISMIC DESIGN: CALTRANS Seismic Design Criteria (SDC), Version 1.7 dated April 2013
- SEISMIC LOADING: Shear Wave Velocity (V_{s30}) = 1,090.9 ft/sec, in top 100 ft of soil
Peak Ground Acceleration = 0.59g
Moment Magnitude = 6.6 Max



- REINFORCED CONCRETE: f_y = 60 ksi
 f'_c = 4 ksi, unless noted otherwise
 N = 8
- PRESTRESSED CONCRETE: See "PRESTRESSING NOTES" on "GIRDER LAYOUT" Sheet.

HYDROLOGIC SUMMARY

DRAINAGE AREA: 130 SQUARE MILES		
FREQUENCY (YEARS)	BASE FLOOD	BULKED FLOOD
	100	–
DISCHARGE (CUBIC FEET PER SECOND)	30,000	–
WATER SURFACE (ELEVATION AT BRIDGE; FOOT)	74.3	–
FLOOD PLAIN DATA ARE BASED UPON INFORMATION AVAILABLE WHEN THE PLANS WERE PREPARED AND ARE SHOWN TO MEET FEDERAL REQUIREMENTS. THE ACCURACY OF SAID INFORMATION IS NOT WARRANTED BY THE STATE AND INTERESTED OR AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATION.		

INDEX TO PLANS

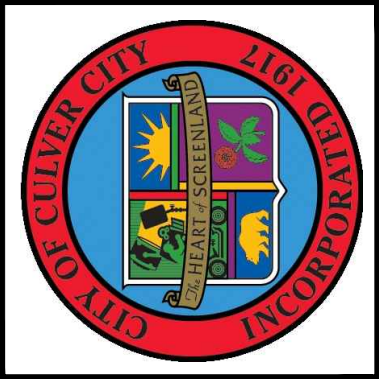
SHEET No.	TITLE
S-1	GENERAL PLAN
S-2	INDEX TO PLANS, STANDARD PLANS & GENERAL NOTES
S-3	GENERAL NOTES
S-4	DEMOLITION PLAN
S-5	DECK CONTOUR PLAN
S-6	FOUNDATION PLAN
S-7	ABUTMENT 1 LAYOUT
S-8	ABUTMENT 2 LAYOUT
S-9	ABUTMENT DETAILS NO. 1
S-10	ABUTMENT DETAILS NO. 2
S-11	RETAINING WALL DETAILS NO. 1
S-12	RETAINING WALL DETAILS NO. 2
S-13	RETAINING WALL DETAILS NO. 3
S-14	RETAINING WALL & RETURN WALL DETAILS
S-15	TYPICAL SECTION
S-16	GIRDER LAYOUT
S-17	ADDITIONAL DECK & SOFFIT REINFORCEMENT
S-18	DECK DRAIN LAYOUT
S-19	SLOPE PAVING
S-20	STRUCTURE APPROACH DRAINAGE DETAILS
S-21	STRUCTURE APPROACH TYPE N(30S)
S-22	LOG OF TEST BORINGS – 1 & 3
S-23	LOG OF TEST BORING 2

CALTRANS STANDARD PLANS 2010

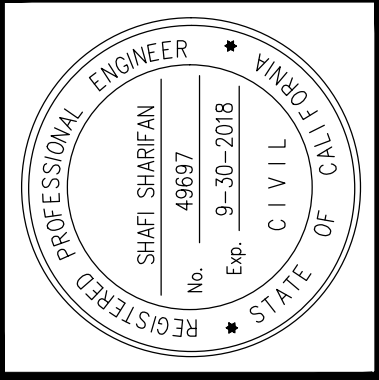
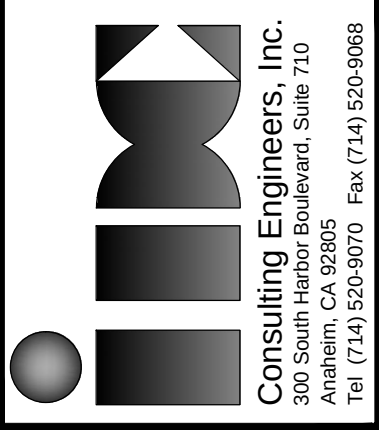
- A10A ABBREVIATIONS (SHEET 1 OF 2)
- RSP A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)
- A10F LEGEND – SOIL (SHEET 1 OF 2)
- A10G LEGEND – SOIL (SHEET 2 OF 2)
- A62C LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL – BRIDGE
- B0-1 BRIDGE DETAILS
- B0-3 BRIDGE DETAILS
- B0-5 BRIDGE DETAILS
- B0-13 BRIDGE DETAILS
- B2-3 16" & 24" CAST-IN-DRILLED-HOLE CONCRETE PILE
- B6-21 JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
- B7-1 BOX GIRDER DETAILS
- B7-6 DECK DRAINS – TYPES D-1 AND D-2
- B7-8 DECK DRAINAGE DETAILS
- B7-10 UTILITY OPENING – BOX GIRDER
- RSP B8-5 CAST-IN-PLACE PRESTRESSED GIRDER DETAILS
- B11-51 TUBULAR HAND RAILING
- RSP B11-54 CONCRETE BARRIER TYPE 26



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO.	REVISIONS	DATE	BY



APPROVED			
PROJECT ENGINEER:		DATE	
DESIGNED BY:		10/04/15	
DRAWN BY:		2/27/15	
CHECKED BY:		2/27/15	

SHEET TITLE	
INDEX TO PLANS, STANDARD PLANS & GENERAL NOTES	
PROJECT: CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT	
ADDRESS: HIGUERA STREET CULVERCITY CALIFORNIA	

DRAWING NO.	
S-2	
SHEET 22 OF 43 SHEETS	

Z:\A\Dropbox\UDC\CA0\206-01-10_Culver_City\FINAL Bridge\53-0976-a-10-1.dwg [General & Construction Notes] Mon, 03 Oct 2016, 4:46 PM - Fohim

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

GENERAL NOTES / NOTICE TO CONTRACTORS:

1. STANDARD SPECIFICATIONS: EXCEPT FOR STRUCTURAL ITEMS OF WORK, ALL WORK SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC). ALL STRUCTURAL WORK SHALL CONFORM TO THE JULY 2010 EDITION OF STANDARD SPECIFICATIONS FOR CONSTRUCTION OF LOCAL STREETS AND ROADS BY CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS).
2. IMPROVEMENT CONSISTS OF WORK CALLED FOR ONLY ON THIS PLAN.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE STARTING WORK INCLUDING ORDERING OF MATERIALS. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL EXERCISE CARE THAT NO EXCAVATED MATERIAL OR DEBRIS RESULTING FROM HIS OR HER OPERATIONS IS DEPOSITED INTO THE LOS ANGELES RIVER WATER. ANY SUCH SLOUGHED MATERIAL OR DEBRIS SHALL BE REMOVED AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
5. EXISTING TREES AND SHRUBBERY WHEN NOT IN DIRECT CONFLICT WITH CONSTRUCTION ACTIVITIES SHALL BE PROTECTED, UNLESS OTHERWISE NOTED. IF TREES OR OTHER LANDSCAPING REQUIRE REMOVAL, THEY SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE TO THE CITY OF LOS ANGELES' POLICIES FOR THE INSTALLATION AND PRESERVATION OF LANDSCAPING AND TREES ON PUBLIC PROPERTY AND AUTHORIZED BY THE ENGINEER.
6. EXISTING IMPROVEMENTS WITHIN THE CONSTRUCTION LIMITS THAT INTERFERE WITH THE PROPOSED WORK SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED. ALL MATERIAL SUCH AS VEGETATION, TIMBER, ROCKS, CONCRETE, METAL RAILINGS, ASPHALT, AND EXCESS SOIL, SHALL BE REMOVED AND DISPOSED OFF BY THE CONTRACTOR.
7. EXISTING IMPROVEMENTS REMAINING IN PLACE WHICH ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS OR ARE RELOCATED TO FACILITATE THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
8. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES RESPONSIBLE FOR WORK TO BE PERFORMED ON THEIR RESPECTIVE FACILITIES. IN THE EVENT THAT THE CONTRACTOR'S OPERATION REQUIRES UTILITY (INCLUDING UTILITY BOXES) RELOCATION IN ADDITION TO THAT SPECIFIED ON THE PLAN, SUCH ADDITIONAL WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
9. CONSTRUCTION IN CLOSE PROXIMITY TO HIGH-VOLTAGE OVERHEAD LINES SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST PROVISIONS OF ARTICLE 86, STATE OF CALIFORNIA HIGH VOLTAGE ELECTRIC SAFETY ORDER.
10. EXACT LOCATIONS AND SPECIFICATIONS FOR NEW UTILITIES SHALL BE PROVIDED BY THEIR RESPECTIVE COMPANIES/AGENCIES DURING CONSTRUCTION.
11. UNDERGROUND SERVICE ALERT (USA): WITHIN 10 DAYS BEFORE STARTING REMOVAL OPERATIONS OR EXCAVATION WORK, THE CONTRACTOR SHALL CALL 1-(800) 227-2600 AND OBTAIN A USA INQUIRY IDENTIFICATION NUMBER. AFTER OBTAINING THE NUMBER, REMOVALS OR EXCAVATIONS SHALL NOT PROCEED FOR TWO WORKING DAYS TO ALLOW FOR NOTIFICATION OF UTILITY OWNERS. THE NUMBER SHALL ALSO BE REPORTED TO THE INSPECTOR WHEN REQUESTING INSPECTION OF VALLEY DISPATCH (818) 989-8335. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES, WHICH HAVE BEEN MARKED BY THEIR RESPECTIVE OWNERS, AND COORDINATE THEIR RELOCATION DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS TO PROTECT AND MAINTAIN CONTINUOUS SERVICE OF OVERHEAD UTILITY LINES. ANY NECESSARY POTHOLES AND RELOCATION OF OVERHEAD UTILITY LINES SHALL BE AT THE CONTRACTOR'S EXPENSE.
12. ALL EXISTING SUBSTRUCTURE LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS AND LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. ALL SUBSTRUCTURE SHALL BE PROTECTED AND/OR SUPPORTED PER STD PLAN S-253-0 AND S-255-1.
13. THE CONTRACTOR, IN CONFORMANCE WITH THE LOS ANGELES CITY ORDINANCE 150478, SHALL POTHOLE EXISTING LIVE AND ABANDONED SUBSURFACE INSTALLATIONS CARRYING OR KNOWN TO HAVE CARRIED UNSTABLE SUBSTANCE TO DETERMINE THEIR LOCATIONS AND ELEVATIONS PRIOR TO COMMENCING EXCAVATION. NO POWER TOOLS PERMITTED, EXCEPT TO BREAK PAVEMENT.
14. ALL CONDITIONS OF THE UNITED STATES ARMY CORPS OF ENGINEERS PERMIT AND THE LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD CERTIFICATION SHALL BE COMPLIED WITH.
15. FOR USE OF EXISTING RAMPS (UPSTREAM OR DOWNSTREAM) DOWN TO THE CHANNEL FLOOR, THE CONTRACTOR SHALL CONTACT LOS ANGELES COUNTY FLOOD CONTROL DISTRICT AT (626) 458-6177 OR (818) 896-0594 TO OBTAIN APPROVAL. THE WATER LEVEL IN CHANNEL WILL VARY OVER TIME. THIS UNKNOWN OR THE NEED TO FORECAST IS AT THE CONTRACTOR'S RISK.
16. ALL PROVISIONS OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT PERMIT SHALL BE COMPLIED WITH. THE CONTRACTOR SHALL NOT ENTER THE LOS ANGELES RIVER AT ANY TIME DURING THE RAINY SEASON (OCTOBER 15TH THROUGH APRIL 15TH) WITHOUT PRIOR NOTICE AND AUTHORIZATION BY THE ENGINEER.
17. COMPACTION EQUIPMENT USED TO PLACE BACKFILL BEHIND CHANNEL WALL MUST NOT EXCEED 35,000 POUNDS INCLUDING DYNAMIC FORCE FROM VIBRATOR COMPACTOR. A DISTANCE OF EQUAL TO TWICE OF THE WALL HEIGHT OR MINIMUM 20 FEET SHALL BE MAINTAINED TO THE EXISTING WALLS.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL RIGHTS TO USE PROPERTIES OUTSIDE THE PUBLIC RIGHT-OF-WAY AND TEMPORARY EASEMENTS, WHICH HE DEEMS NECESSARY TO PERFORM ANY OF THE WORK UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE CITY.
17. REFERENCE PLANS: COPIES OF THE FOLLOWING PLANS MAY BE OBTAINED FROM CITY OF LOS ANGELES CENTRAL RECORDS, 1149 SOUTH BROADWAY STREET , LOS ANGELES, CA 90015. (AS-BUILT PLAN DESIGNATION - EXISTING BRIDGE.)
18. IN ADDITION TO SIGNS REQUIRED BY THE PROVISIONS OF THE "WORK AREA TRAFFIC CONTROL HANDBOOK", 2012 EDITION, SIGNS FOR GIVING ADVANCE NOTICE TO MOTORISTS OF TRAFFIC DISRUPTION MUST BE FURNISHED AND PLACED AS A PART OF THIS PROJECT IN ACCORDANCE WITH STANDARD PLAN S-791-1. ALL COST INCURRED IN FURNISHING, INSTALLING AND REMOVING THE SIGNS SHALL BE INCLUDED IN OTHER ITEMS FOR WHICH BIDS ARE ENTERED. USE TYPE 1 CREDIT SIGN.

19. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FUGITIVE DUST AND CONSTRUCTION EMISSION REGULATIONS SPECIFIED BY THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT.
20. ALL WORK SHALL CONFORM TO STANDARD SPECIFIED IN THE WORK AREA TRAFFIC CONTROL HANDBOOK AND SHALL BE CONSISTENT WITH THE APPROVED TRAFFIC MANAGEMENT PLAN.
21. NO NON-RUBBER-TIRED CONSTRUCTION EQUIPMENT OR STOCKPILES OF MATERIAL SHALL BE PLACED WITHIN THE CHANNEL DURING CONSTRUCTION.
22. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITY LINE BETWEEN THE BRIDGE GIRDERS.
23. NO WORK WILL BE PERMITTED BETWEEN DECEMBER 1 AND THE END OF THE FIRST WEEK IN JANUARY OF THE FOLLOWING YEAR. ALL SIDEWALK, TRAFFIC LANES AND PARKING LANES, INCLUDING THOSE ON ADJOINING SIDE STREETS, SHALL BE CLEAR OF ALL OBSTRUCTIONS AND OPEN TO TRAFFIC DURING THIS PERIOD. THE CONTRACTOR SHALL PROTECT ALL UNCOMPLETED WORK AND TAKE ANY NECESSARY CORRECTIVE ACTIONS TO ALLOW SAFE AND FREE FLOW OF BOTH PEDESTRIAN AND VEHICULAR TRAFFIC DURING THE HOLIDAY SEASON.
24. AT LEAST TEN (10) DAYS BEFORE THE START OF CONSTRUCTION, THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ABUTTING PROPERTY OWNERS OR OCCUPANTS OF THE PROPOSED CONSTRUCTION START AND COMPLETION DATES.
25. SCRRRA IS NOT A MEMBER OF DIGALERT. THE CONTRACTOR SHALL CALL SCRRRA'S SIGNAL DEPARTMENT AT (909) 859-4100 A MINIMUM OF 72-HOURS PRIOR TO BEGINNING CONSTRUCTION TO MARK SIGNAL AND COMMUNICATION CABLES AND CONDUITS. TO ASSURE CABLES AND CONDUITS HAVE BEEN MARKED, NO WORK MAY PROCEED UNTIL YOU HAVE BEEN PROVIDED WITH AN SCRRRA DIG NUMBER. IN CASE OF SIGNAL EMERGENCIES OR GRADE CROSSING PROBLEMS, THE CONTRACTOR SHALL CALL SCRRRA'S 24-HOUR SIGNAL EMERGENCY NUMBER 1-888-446-9721.
26. NO EQUIPMENT IN EXCESS OF H-20 HIGHWAY LOADING WILL BE PERMITTED TO OPERATE ON THE INVERT OF THE CHANNEL. ONLY RUBBER-TIRED, LEGALLY LOADED EQUIPMENT SHALL BE OPERATED ON THE EXPOSED CHANNEL INVERT. IF STEEL CRAWLER TYPE EQUIPMENT IS USED, WOODEN MATTING SHALL BE PROVIDED OVER THE INVERT IN THE OPERATING AREA. LOADS FROM TRUCK VEHICLES SHALL NOT EXCEED 300 PSF ON A SURFACE AT THE BOTTOM OF THE INVERT SLAB.
27. PROVISION SHALL BE MADE TO PREVENT DEBRIS FROM FALLING INTO CHANNEL DURING CONSTRUCTION.

CONSTRUCTION NOTES:

SITE WORK

1. ALL FOUNDATIONS SHALL BE POURED AGAINST UNDISTURBED EARTH OR COMPACTED FILL. THE CITY OF CULVER CITY SHALL INSPECT ALL FOUNDATION SOIL PRIOR TO PLACING REINFORCING STEEL.
2. ALL EXCAVATION, REMOVAL, AND RECOMPACTION OF SOIL, DEWATERING, AND PILE INSTALLATION SHALL CONFORM TO THE RECOMMENDATIONS OF THE SOIL REPORT BY HUSHMAND ASSOCIATES, INCORPORATED DATED FEBRUARY 2, 2015.
3. THE CITY OF CULVER CITY OR ENGINEER SHALL INSPECT AND APPROVE ALL EXCAVATIONS, PILE HOLE DRILLING, SHORING INSTALLATIONS, BACKFILL MATERIALS, AND BACKFILLING PROCEDURES.
4. ALL BACKFILL SHALL BE MECHANICALLY COMPACTED TO A DENSITY OF AT LEAST EQUAL TO 95 PERCENT OF THE MAXIMUM DENSITY OBTAINED BY THE ASTM D1557-58T METHOD OF COMPACTION, UNLESS OTHERWISE SPECIFIED. JETTING IS NOT PERMITTED.
5. THE CONTRACTOR SHALL INCLUDE IN HIS/HER BID, ALL COSTS TO DIVERT AND DEWATER THE SITE FOR CONSTRUCTION ACTIVITIES INCLUDING:

A. RESTORATION OF CHANNEL FLOOR, WALL OR SLOPE IN KINDS

B. MAINTENANCE FOR SATISFACTORY OPERATION THROUGHOUT CONSTRUCTION

C. INCORPORATION OF LOS ANGELES COUNTY FLOOD CONTROL DISTRICT PERMIT REQUIREMENTS
- D. INCORPORATION OF US ARMY CORPS OF ENGINEERS' PERMIT REQUIREMENTS
6. TEMPORARY CUT SLOPES ARE TO BE MADE ONLY AFTER DEWATERING IS COMPLETED.

A. TEMPORARY CUT SLOPE _____ 1 : 1 (HORIZONTAL TO VERTICAL)

B. MAXIMUM UNSHORED EXCAVATION _____ 5 FT
7. ALL SHORING DESIGN AND INSTALLATION ARE THE RESPONSIBILITY OF THE CONTRACTOR. SHORING DESIGN AND INSTALLATION SHALL COMPLY WITH APPLICABLE SAFETY REGULATIONS. REFER TO SOIL REPORT.
8. PERMANENT CUT AND FILL SLOPES SHALL MATCH EXISTING ADJACENT SLOPES. CHANNEL WALL SHALL BE RESTORED TO ITS ORIGINAL CONDITION AFTER CONSTRUCTION OF NEW SUBSTRUCTURES.
9. NO EQUIPMENT IN EXCESS OF H-10 HIGHWAY LOADING (AASHTO) AND NO STOCKPILING OF MATERIAL WILL BE PERMITTED ALONG THE CHANNEL WITHIN A DISTANCE OF ONE-HALF WALL LENGTH.

CONCRETE REMOVAL NOTES

1. WHERE A SECTION OF AN EXISTING STRUCTURE IS TO BE SEPARATED FROM A NEW STRUCTURE, AND THE REINFORCEMENT IS TO BE CUT AT THE POINT OF SEPARATION, THE CONTRACTOR SHALL SAWCUT THROUGH THE WALL WITH AN APPROVED CONCRETE SAW. ANY SAW CUT OR IRREGULARITIES IN THE SURFACE OF THE REMAINING WALL OR JOINT SHALL BE FILLED WITH AN EPOXY GROUT MIXTURE TO OBTAIN A SMOOTH PLANE SURFACE. THE REINFORCING STEEL EXPOSED BY CONCRETE REMOVAL SHALL BE BURNED OFF ONE (1) INCH BELOW THE SURFACE OF THE REMAINING CONCRETE AND THE RESULTING VOIDS SHALL BE PATCHED WITH EPOXY ADHESIVE. EPOXY SHALL BE COMMERCIAL QUALITY, TWO-COMPONENT MIXTURE, SPECIALLY MANUFACTURED FOR THE INTENDED PURPOSE, AND BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS. ONE-HALF INCH THICK PREMOLDED EXPANSION JOINT MATERIAL SHALL BE USED TO SEPARATE THE FACES OF THE EXISTING AND NEW WALL/PIER.
2. WHERE REINFORCEMENT IS REQUIRED TO EXTEND THROUGH THE NEW JOINT, CONCRETE SHALL BE REMOVED IN THE FOLLOWING SEQUENCE.

A. A SAW CUT SHALL BE MADE ONE AND ONE-HALF INCHES DEEP AT THE REMOVAL LIMITS. CARE SHALL BE EXERCISED IN SAWING AT THE REMOVAL LIMITS SO AS NOT TO CUT THE REINFORCING STEEL IN THE REMAINING SLAB. THE EXISTING REINFORCING STEEL SHALL BE RETAINED AND EXTENDED INTO THE NEW CONSTRUCTION AS INDICATED ON THE PLANS.

B. USING HANDHELD EQUIPMENT, THE CONCRETE SHALL BE CAREFULLY REMOVED FOR THE FULL DEPTH OF THE WALL OR SLAB AND FOR A MINIMUM DISTANCE FROM THE SAWCUT EQUAL TO THE LONGEST EXTENSION OF THE EXISTING BARS TO BE EXTENDED INTO THE NEW CONSTRUCTION. THIS EXTENSION SHALL BE 30 BAR DIAMETERS, UNLESS OTHERWISE SHOWN.

C. EXISTING REINFORCEMENT SHALL BE CUT TO THE REQUIRED BAR EXTENSION.

D. THE REMAINING CONCRETE MAY BE REMOVED BY ANY SUITABLE METHOD UPON APPROVAL OF THE ENGINEER, WHO SHALL BE THE SOLE JUDGE OF THE USE OF ANY CONCRETE REMOVAL EQUIPMENT. EXPLOSIVES, WRECKING BALL, OR OTHER SIMILAR DEVICES, WHICH ARE LIKELY TO DAMAGE THE CONCRETE TO BE LEFT IN PLACE, SHALL NOT BE USED.

DECK CONCRETE NOTES

1. DECK CONCRETE SHALL NOT BE PLACED UNTIL ALL INTERMEDIATE DIAPHRAGMS HAVE BEEN CONSTRUCTED.
2. DECK CONCRETE BETWEEN EXPANSION JOINTS, EXCEPT CLOSURE POUR, SHALL BE PLACED AS A SINGLE POUR WITHIN THE SAME WORK DAY.
3. CLOSURE POUR BETWEEN EXPANSION JOINTS SHALL BE PLACED AS A SINGLE POUR WITHIN THE SAME WORK DAY.
4. FINISH MACHINE FOR DECK CONCRETE SHALL BE INSPECTED AND SET UP 24 HOURS IN ADVANCE OF POUR.
5. TRANSVERSE DECK CONSTRUCTION JOINTS SHALL NOT BE PERMITTED.
6. LONGITUDINAL DECK CONSTRUCTION JOINTS ARE ALLOWED SUBJECT TO THE APPROVAL OF THE ENGINEER.
7. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
8. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.
9. DURING PLACEMENT OF DECK CONCRETE, EXCEPT THAT IN DECK CLOSURE POUR, REINFORCEMENTS PROTRUDING FROM THE NEW DECK INTO THE CLOSURE SPAN SHALL BE COMPLETELY FREE OF CONTACT WITH EXISTING STRUCTURE.
10. DURING CLOSURE POUR, THE BRIDGES SHALL BE LIMITED TO TRAFFIC MOVING AT 10 MPH TO AVOID VIBRATIONS. THE CONTRACTOR SHALL COORDINATE AND PERFORM ALL DETOURS TO THE SATISFACTION OF LOS ANGELES DEPARTMENT OF TRANSPORTATION.
11. FALSEWORK SHALL NOT BE RELEASED LESS THAN 28 DAYS AFTER THE LAST CONCRETE HAS BEEN PLACED. THE CLOSURE POUR CONCRETE SHALL BE PLACED A MINIMUM OF 14 DAYS AFTER THE FALSEWORK HAS BEEN RELEASED.

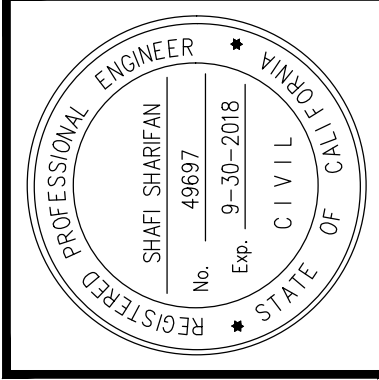
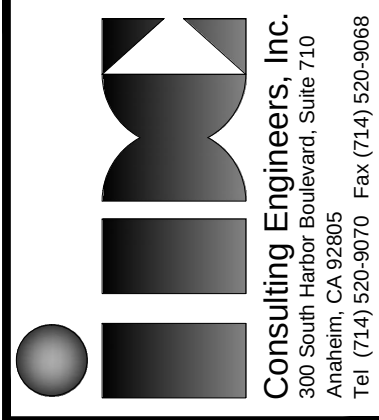
S. CALIFORNIA AREA CHANNEL DESIGN CAPACITY REQUIREMENTS

IN ORDER TO ASSURE THAT THE REPLACEMENT OF THE BRIDGE DOES NOT REDUCE CHANNEL DESIGN CONVEYANCE CAPACITY, THE FOLLOWING MINIMUM CHANNEL CAPACITIES ARE REQUIRED:

1. FROM 15 APRIL TO 31 MAY AND 1 SEPTEMBER TO 15 OCTOBER, 33.3% OF THE ORIGINAL CHANNEL DESIGN CAPACITY MUST BE PRESERVED.
2. FROM 15 OCTOBER TO 15 APRIL, 100% OF THE ORIGINAL CHANNEL DESIGN CAPACITY MUST BE PRESERVED; i.e. NO WORK IN THE CHANNEL WILL BE ALLOWED UNLESS A WAIVER IS OBTAINED THROUGH THE LOS ANGELES DISTRICT CORPS OF ENGINEERS' ENGINEERING DIVISION.
3. FROM 1 JUNE TO 31 AUGUST, 5% OF THE ORIGINAL CHANNEL DESIGN CAPACITY IS REQUIRED.
4. IN THE EVENT THAT THE PERMIT APPLICANT PROPOSES TO AFFECT A SECTION OF THE CHANNEL THAT IS THE DOWNSTREAM OF A CORPS REGULAR FLOOD CONTROL BASIN, THE APPLICANT MUST AS A MINIMUM, COORDINATE THEIR-IN CHANNEL ACTIVITIES WITH THE CORPS OF ENGINEERS' RESERVOIR REGULATION SECTION.



DATE: BY:	
REVISIONS:	
NO	



CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER			
APPROVED	DATE	10/04/16	
PROJECT ENGINEER:	S. SHARIFAN		
DESIGNED BY:	L. LIU	22/715	
DRAWN BY:	G. ESTEPA	22/715	
CHECKED BY:	M. SOLTANI	22/715	

GENERAL NOTES	
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

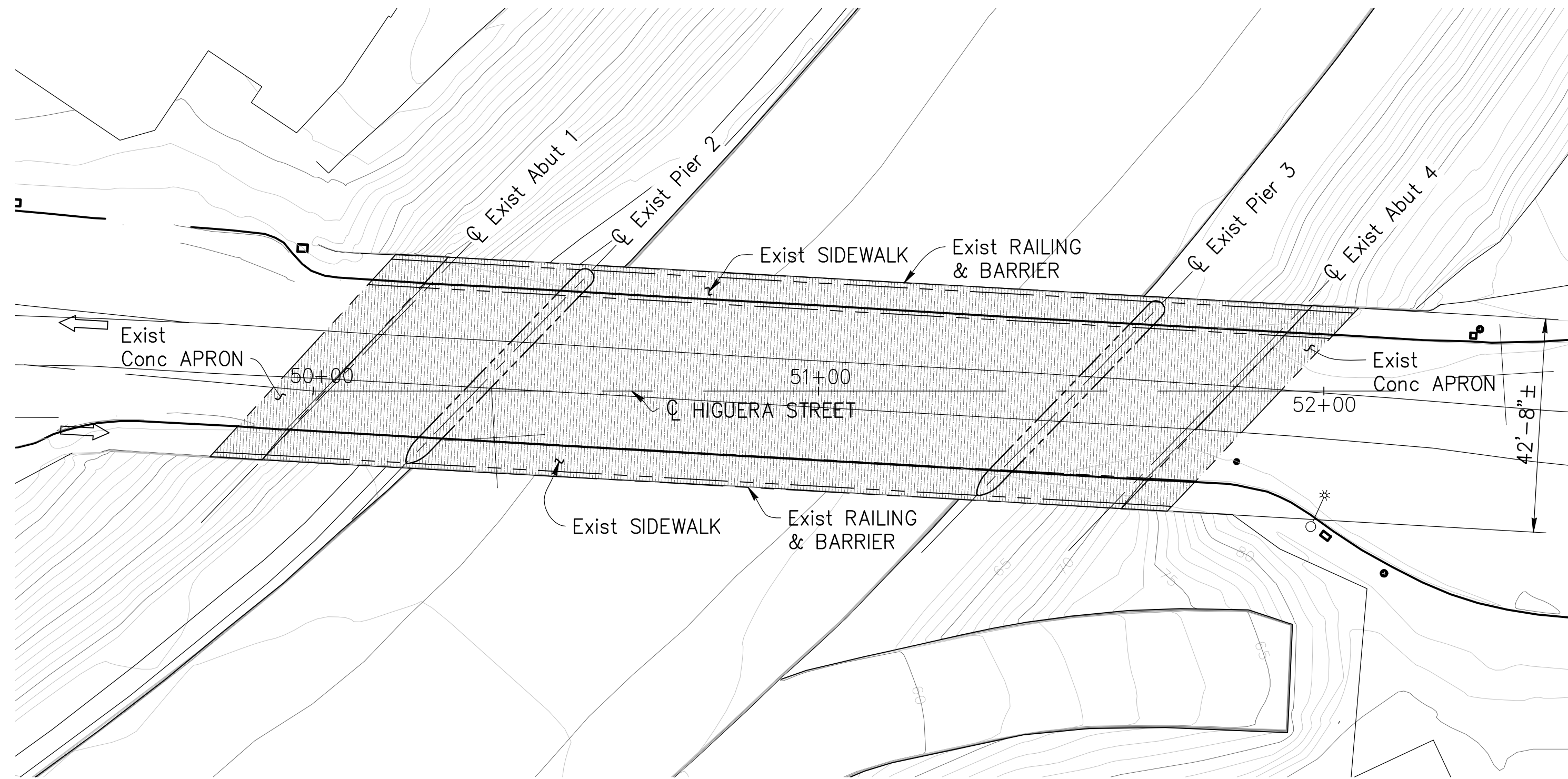
DRAWING NO.

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-c-demo.dwg, [Bridge Demo Plan] Mon, 03 Oct 2016, 4:47 PM - Fahim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

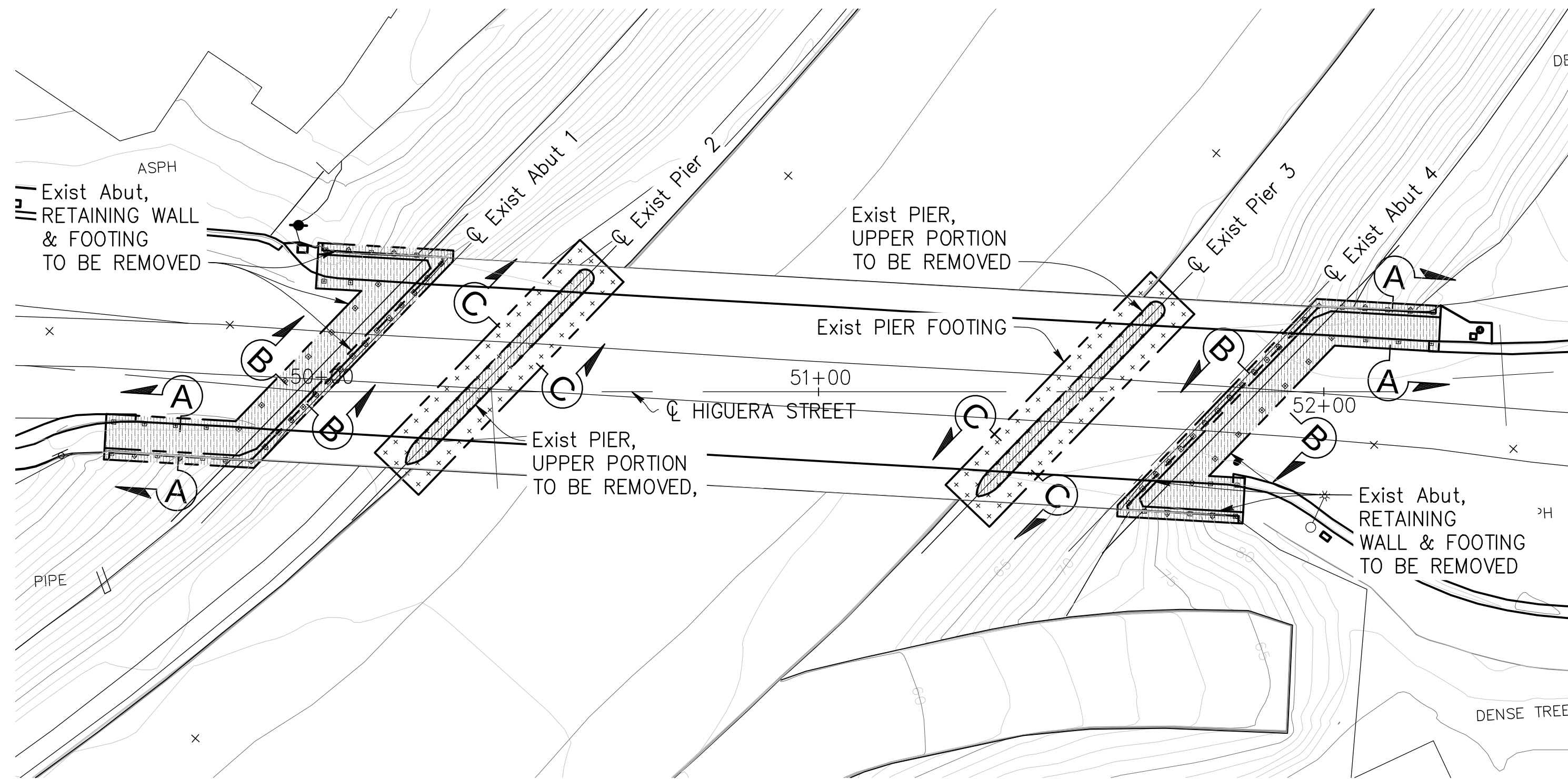
REVISION DATES
(DESIGN STAGE ONLY)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

L
K
J
I
H
G
F
E
D
C
B
A

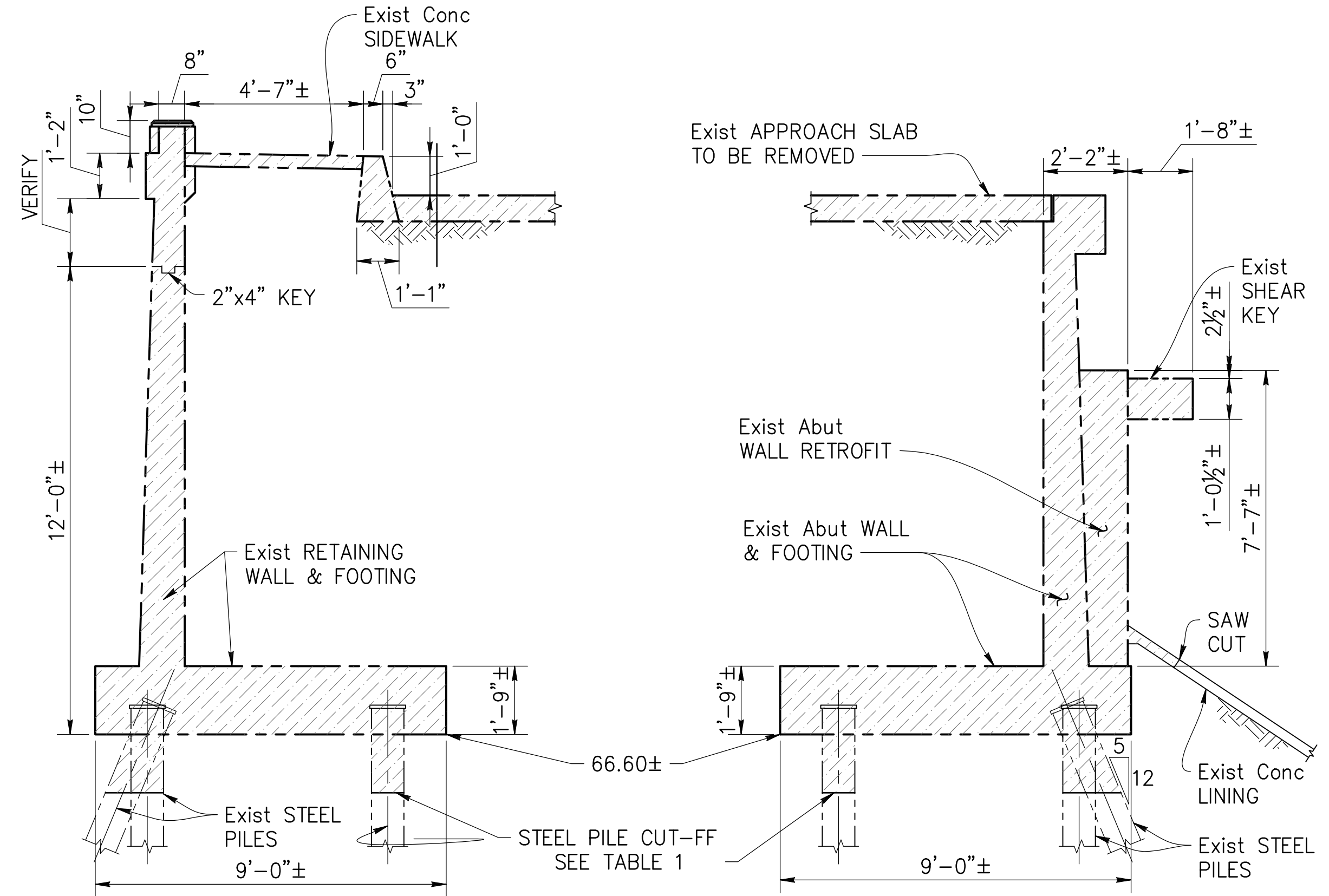


PLAN - EXIST DECK
1" = 20'



PLAN - EXIST FOUNDATION
1" = 20'

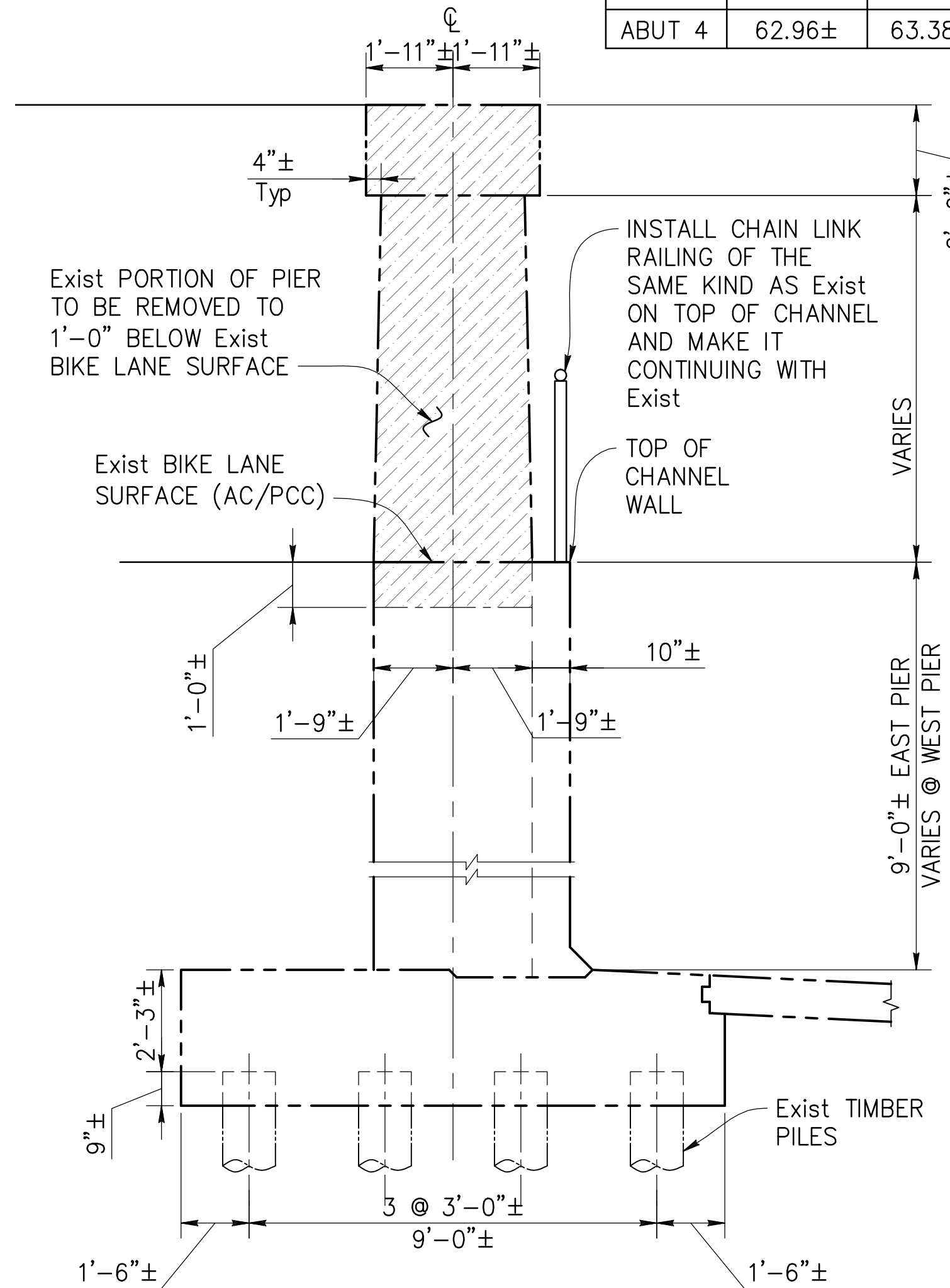
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



SECTION A-A
3/8" = 10'

SECTION B-B
3/8" = 10'

TABLE 1- STEEL PILE CUT-OFF		
	BEYOND NEW FTG	WITHIN NEW FTG
ABUT 1	59.46±	59.88±
ABUT 4	62.96±	63.38±



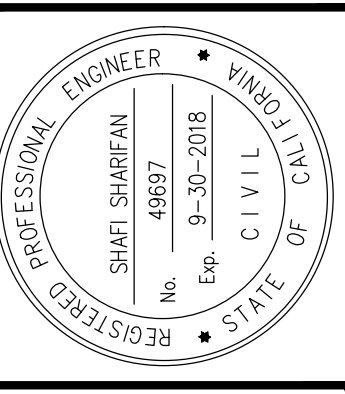
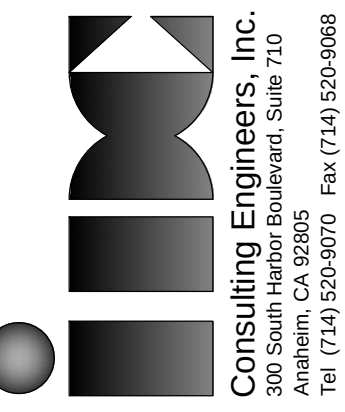
SECTION C-C
3/8" = 10'

- LEGEND:**
- XX.XX Bottom of Footing Elevation
 - x & □ Existing Pile
 - Existing Batter Pile
 - Existing Structure Removal

- DEMOLITION NOTES:**
- Cut Top of Existing Abutment Piles 2'-6" below Existing Footing Elevation.
 - Remove Batter Piles if it obstructs construction of New CIDH Piles.
 - For Existing Footing Elevations, see "FOUNDATION PLAN" Sheet.
 - Any channel concrete lining damaged due to bridge construction/excavation shall be restored in kind. For channel concrete lining repair details, see "CONC REVETMENT/CHANNEL LINING JOINING DETAIL" on "SLOPE PAVING" Sheet.
 - For existing bridge dimensions, details and information not shown, see As-Built plans.
 - Contractor shall submit his/her demolition schedule, list of equipment and safety plan to Army Corps of Engineers for approval before any work on the creek begins.



DATE:	
REVISIONS:	
NO	



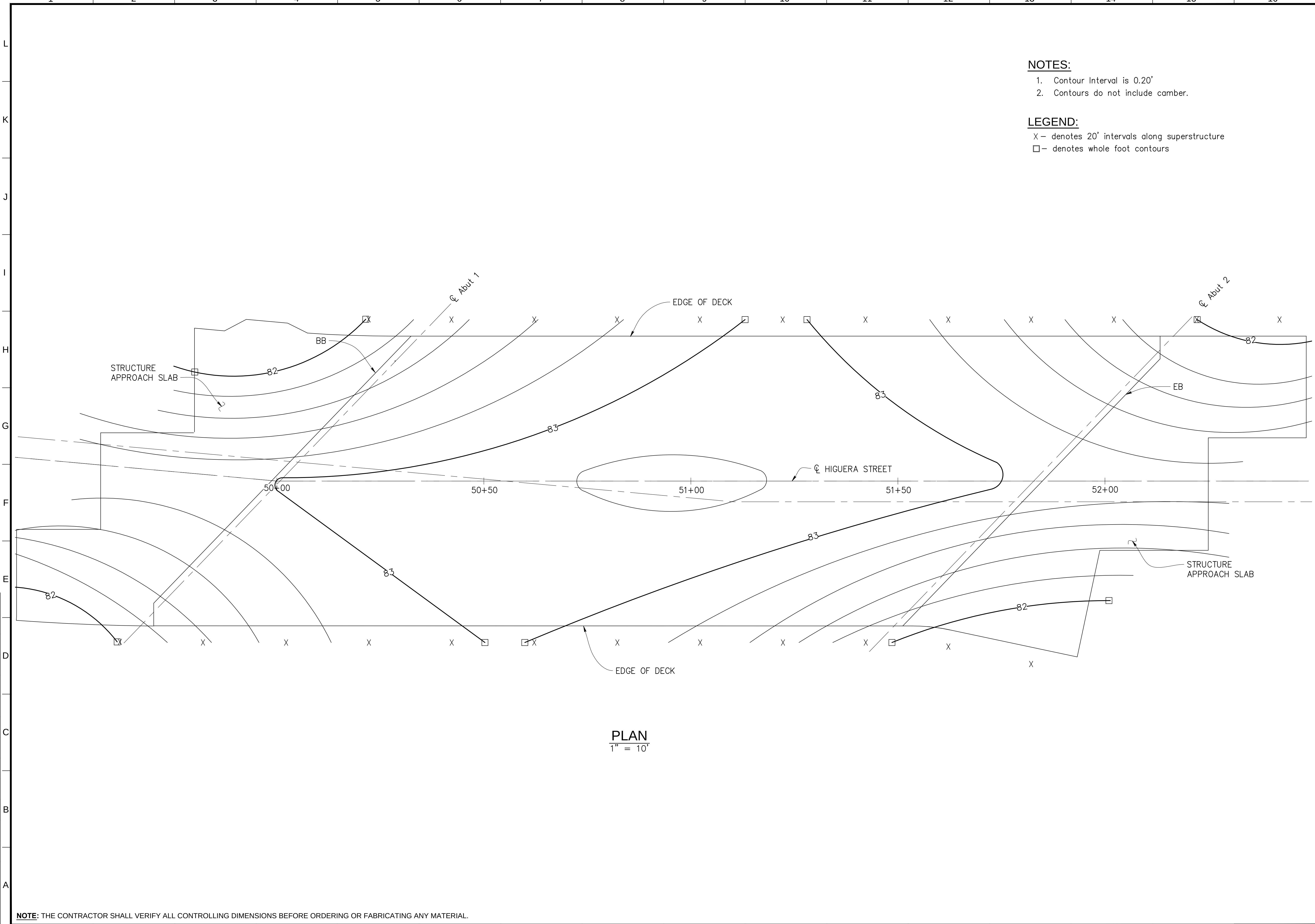
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	
PROJECT ENGINEER:	S. SHARIFAN 10/04/16
DESIGNED BY:	L. LIU 2/27/15
DRAWN BY:	G. ESTEPA 2/27/15
CHECKED BY:	M. SOLTANI 2/27/15

SHEET TITLE:	DEMOLITION PLAN
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-d-4c01.dwg [Deck Contour Plot] Mon, 03 Oct 2016, 4:49 PM — Fahim

THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

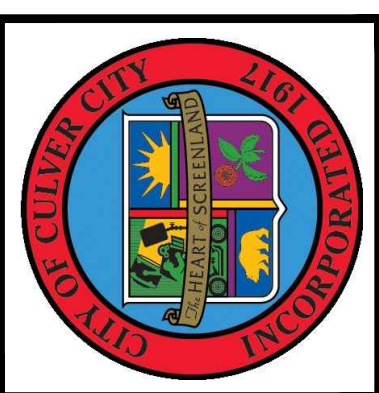


NOTES:

- 1. Contour Interval is 0.20'
- 2. Contours do not include camber.

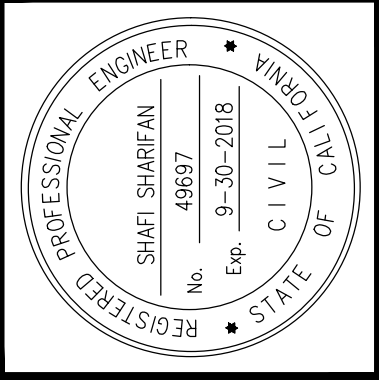
LEGEND:

- X - denotes 20' intervals along superstructure
- - denotes whole foot contours



NO	REVISIONS	DATE	BY

Consulting Engineers, Inc.
Professional Engineers
Anaheim, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068



CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	
APPROVED	DATE
PROJECT ENGINEER: S. SHARIFAN	10/04/16
DESIGNED BY: L. LIU	2/27/15
DRAWN BY: G. ESTEPA	2/27/15
CHECKED BY: M. SOLTANI	2/27/15

SEE SHEET TTL-01 FOR HORIZONTAL AND VERTICAL CONTROL
SHEET TITLE: DECK CONTOUR PLAN
PROJECT: CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS: HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.

S-5

SHEET 25 OF 43 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge 53x0876-a-fp01.dwg [Foundation Plan] Mon, 03 Oct 2016, 4:49 PM - Fahim

REVISION DATES
(DESIGN STAGE ONLY)

PILE DATA TABLE

LOCATION	PILE TYPE	NOMINAL RESISTANCE		CUT-OFF ELEVATION (ft)	DESIGN TIP ELEVATION (ft)	SPECIFIED TIP ELEVATION (ft)
		COMPRESSION (KIPS)	TENSION (KIPS)			
Abut 1	24"Ø CIDH	540	N/A	59.71	-1.54 (a)	-1.54
Abut 2	24"Ø CIDH	540	N/A	63.21	1.96 (a)	1.96
RW 4	24"Ø CIDH	480	40	67.46	12.46 (a) 49.46 (b) 36.71 (c)	12.46

- NOTES:
- Design tip elevations are controlled by the following demands : (a) Compression, (b) Tension, (c) Lateral Load, (d) Settlement.
 - The specified tip elevations shall not be raised above the design tip elevations for lateral load. The specified tip elevation for CIDH shall not be raised.

BENCHMARKS

NAME BM No.	Elev (ft)	DESCRIPTION
Y9331	79.600	Watts Quad, being RDBM tag in NE Cor C.B. @ Jefferson Bl & Hetzler Rd 12.2m (40 ft) S/O & 9.8m (32 ft) W/O Approx C/L Int having elevation value as indicated, 2005 Adjustment.
Y10987	85.247	Watts Quad, being L&FLT HD SPK in W C.B. @ BCR @ SW Cor Jefferson Bl & Holdrege Ave (N End C.B.) having elevation value as indicated, 2005 Adjustment.
Y11349	99.371	Watts Quad, being LRG SPK in C.B. @ S End C.B. 6.3m (20.7 ft) S/O BCR @ SW Cor Rodeo Rd & La Cienega Bl having elevation as indicated, 2005 Adjustment.

SURVEY CONTROL:
Horizontal control for this survey is based on the California Coordinate System, Zone 5, US Survey feet, North American Datum of NAD83 (NSRS2007).
Vertical control is the North American Vertical Datum of 1988 (NAVD88).
The conversion factor between (NBVD29) and (NAVD88) is 2.345 ft.

UTILITY TABLE

UTILITY	OWNER	DISPOSITION
1 8"Ø Water Line	GOLDEN STATE WATER COMPANY	See Note
2 Telephone Line	AT&T	Owner Will Relocate
3 10"Ø Storm Sewer Line	TBD	Protect in Place
4 Overhead Power Line	SCE	Protect in Place
5 12"Ø Storm Sewer Line	TBD	To be abandoned
6 18"Ø Storm Sewer Line	TBD	To be abandoned
7 12"Ø Water Line	GOLDEN STATE WATER COMPANY	New
8 18"Ø Storm Sewer Line	TBD	
9 24"Ø Storm Sewer Line	TBD	

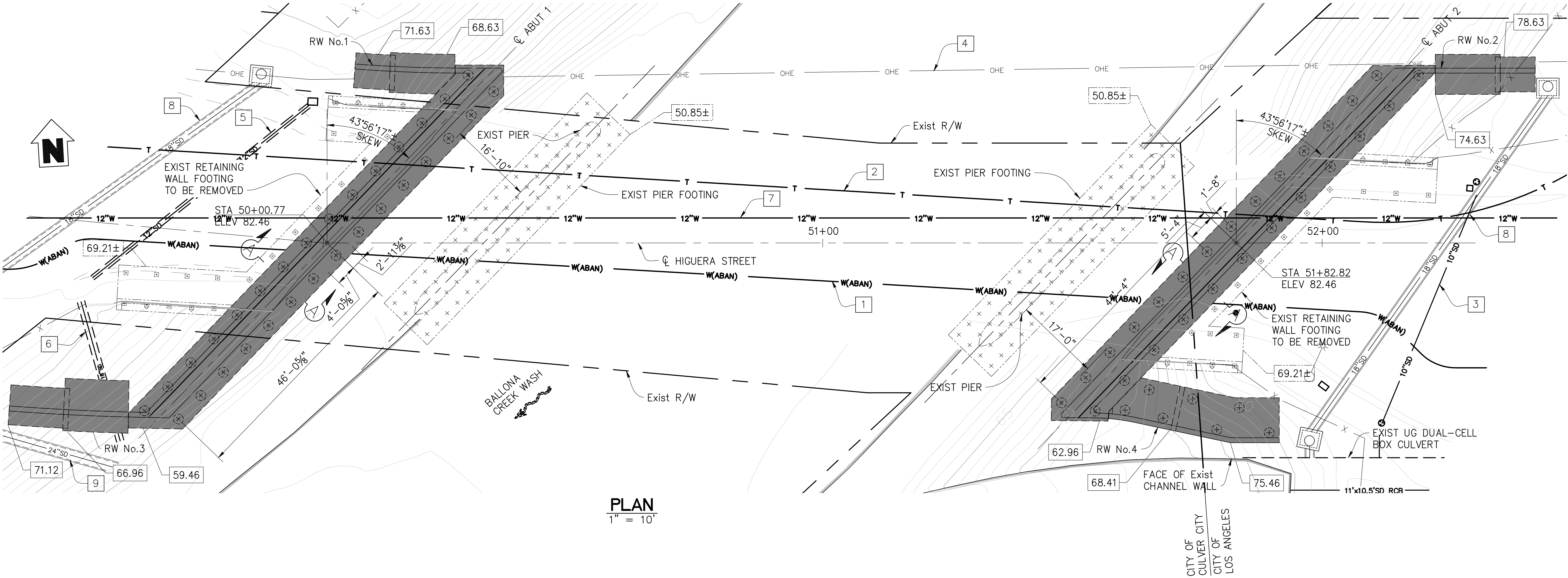
NOTE: Will be protected in place, then will be removed after Golden State Water Company abandons it.

LEGEND:

- XX.XX Denotes bottom of footing elevation
- XX.XX± Denotes Bottom of existing footing elevation
- Existing Abutment Pile
- Existing Pier Pile
- Existing Batter Pile
- 24"Ø CIDH Pile

NOTES:

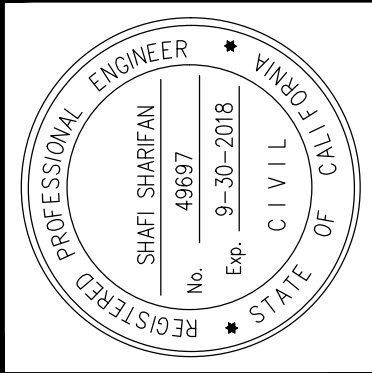
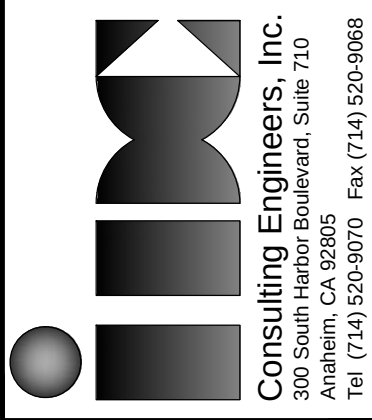
- For Section A-A, see "ABUTMENT DETAILS NO. 1" Sheet.
- For RETAINING WALLS Nos. 1 & 2, see "RETAINING WALL DETAILS NO. 1" Sheet.
- For RETAINING WALL No. 3, see "RETAINING WALL DETAILS NO. 2" Sheet.
- For RETAINING WALL No. 4, see "RETAINING WALL DETAILS NO. 3" Sheet.



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE:	
BY:	
REVISIONS:	
NO	



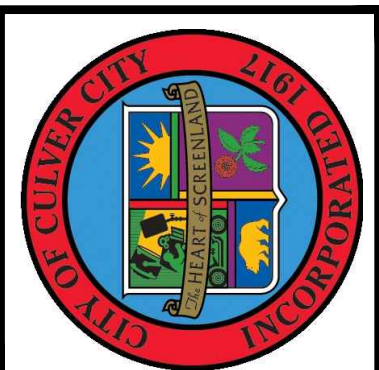
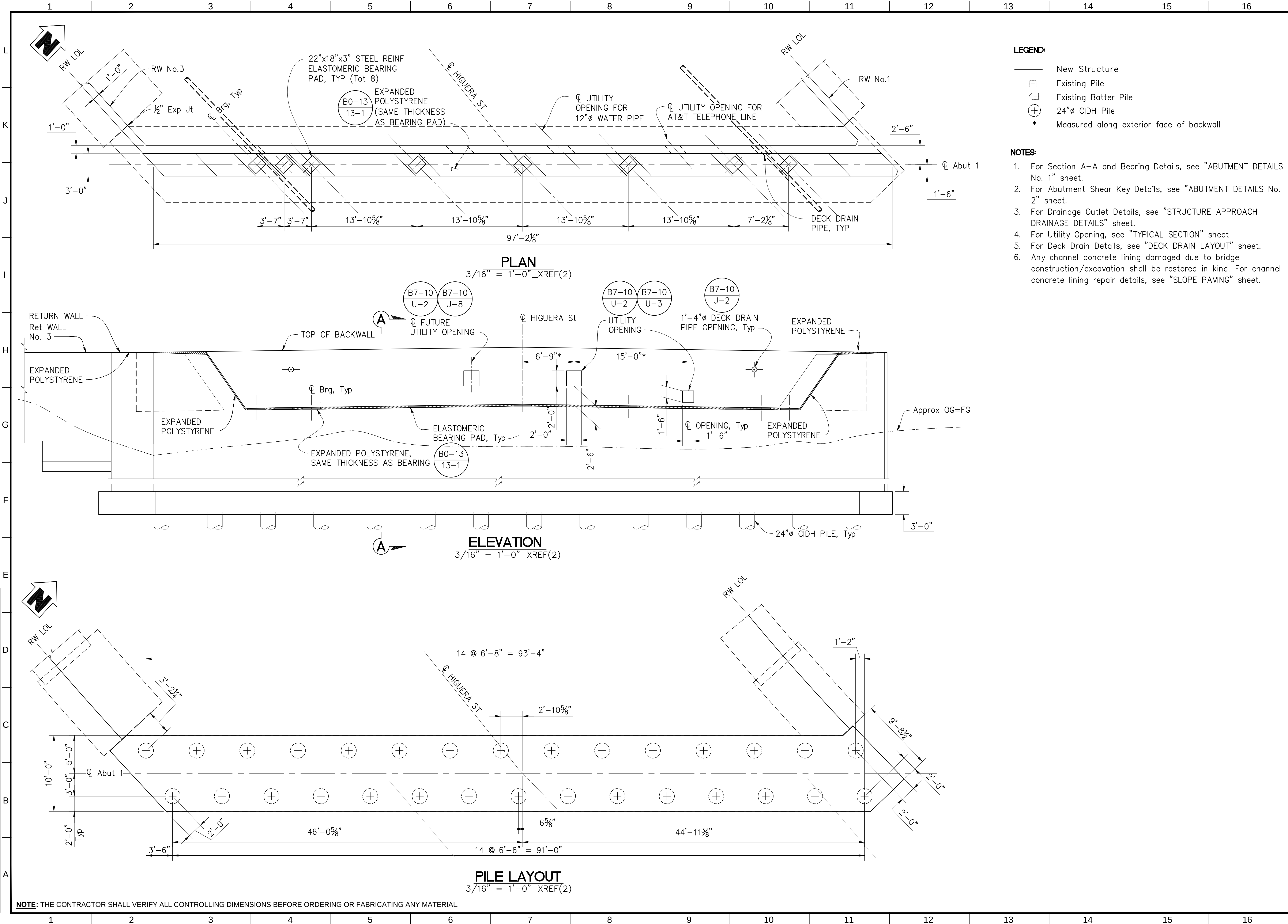
APPROVED	DATE
PROJECT ENGINEER: S. SHARIFAN	10/04/16
DESIGNED BY: L. LIU	2/27/15
DRAWN BY: G. ESTEPA	2/27/15
CHECKED BY: M. SOLTANI	2/27/15

SHEET TITLE:	FOUNDATION PLAN
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

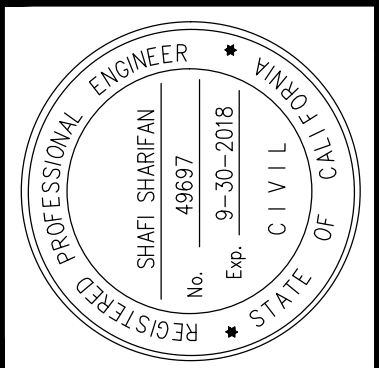
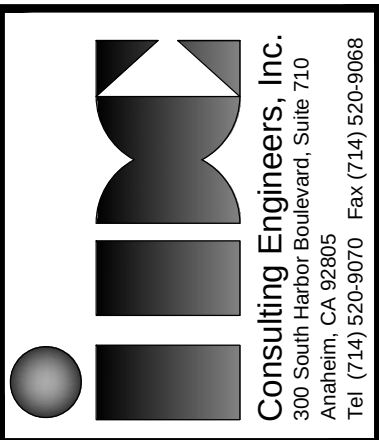
DRAWING NO.

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-1-001_01.dwg [Abut 1 Layout] Mon, 03 Oct 2016 4:51 PM - Fohim

REVISION DATES
(DESIGN STAGE ONLY)



DATE	BY
NO	REVISIONS

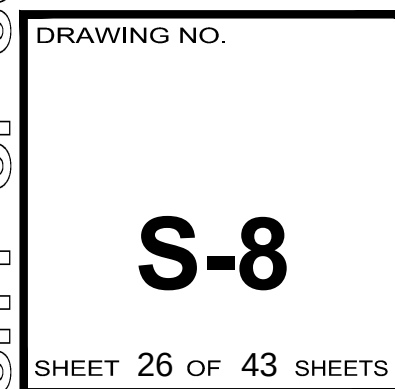


APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER	S. SHARIFAN
DESIGNED BY	L. LIU
DRAWN BY	G. ESTEPA
CHECKED BY	M. SOLTANI

SHEET TITLE:	ABUTMENT 1 LAYOUT
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

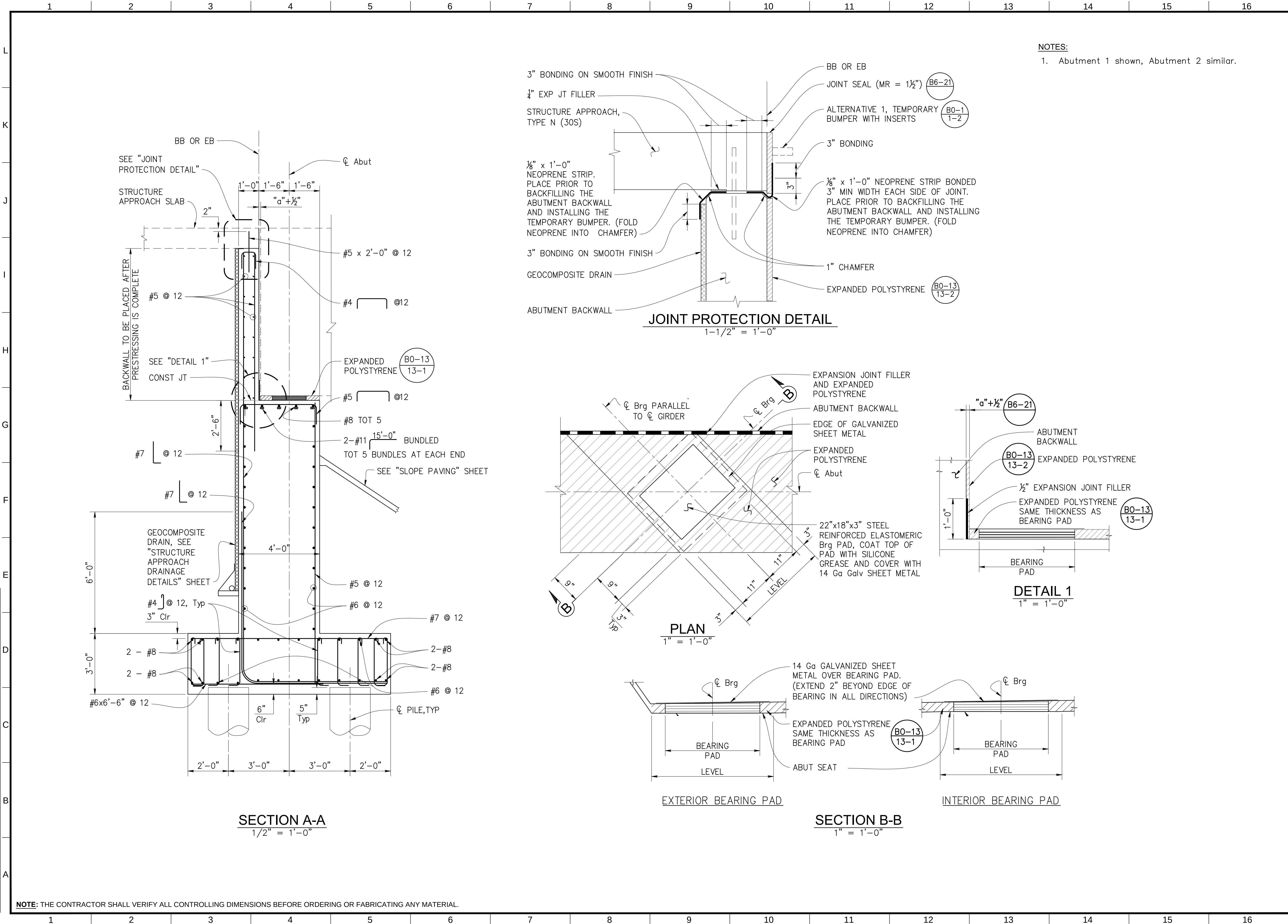


1. For Section A-A and Bearing Details, see "ABUTMENT DETAILS No. 1" sheet.
2. For Abutment Shear Key Details, see "ABUTMENT DETAILS No. 2" sheet.
3. For Drainage Outlet Details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
4. For Utility Opening, see "TYPICAL SECTION" sheet.
5. For Deck Drain Details, see "DECK DRAIN LAYOUT" sheet.
6. Any channel concrete lining damaged due to bridge construction/excavation shall be restored in kind. For channel concrete lining repair details, see "SLOPE PAVING" sheet.

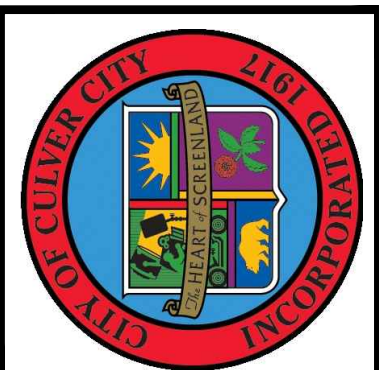


Z:\Dropbox\IDC\CA0\206-01-10_Culver_City\FINAL Bridge\5300876-f-abut-dt01.dwg [Abut Details 1] Mon, 03 Oct 2016, 4:53 PM - Fohim

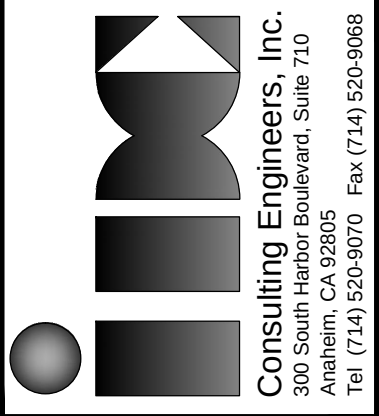
REVISION DATES
(DESIGN STAGE ONLY)



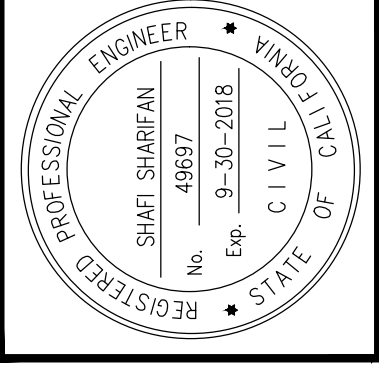
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE:	
BY:	
REVISIONS:	
NO.	



Consulting Engineers, Inc.
Professional Engineers
Anaheim, CA 92805
Tel: (714) 520-9070 Fax: (714) 520-9068



PROFESSIONAL ENGINEER
SHAFI SHARIFAN
No. 49697
Exp. 9-30-2018
CIVIL
STATE OF CALIFORNIA

APPROVED	DATE
PROJECT ENGINEER:	10/04/16
DESIGNED BY:	22/7/15
DRAWN BY:	22/7/15
CHECKED BY:	22/7/15

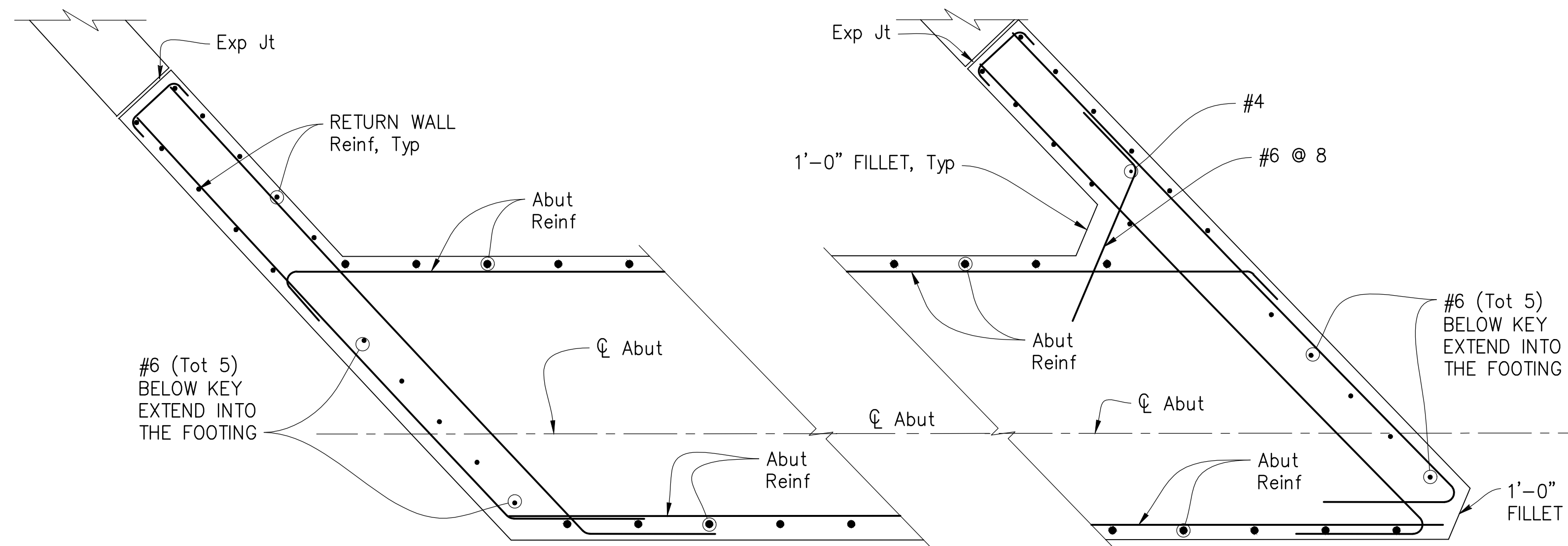
SHEET TITLE:	ABUTMENT DETAILS NO. 1
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

SEE SHEET TTL-01 FOR HORIZONTAL AND VERTICAL CONTROL

DRAWING NO.

S-9

SHEET 29 OF 43 SHEETS



ACUTE CORNER

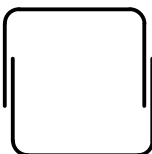
SECTION C-C
3/4" = 1'-0"

Exp Jt

1'-0" FILLET, Typ
(OBTUSE CORNERS)

#6 } @ 8

ABUTMENT
BACKWALL Reinf

#5  Tot 4

6'-0" FOR SE CORNER OF Abut 2

1" EXPANDED
POLYSTYRENE, Typ

6"

CL Abut

CL Abut

#6 (Tot 5)

#5 

#6 (Tot 6) 1'-6" LAP
Min, Typ

#6 (Tot 5)

#6 @ 12

#5 @ 12

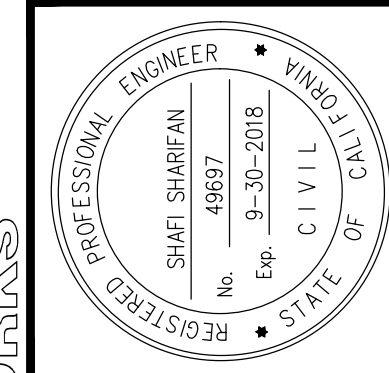
#4

ACUTE CORNER

NOTE: Abut 1 Shear Keys are shown,
Abut 2 Shear Key are similar.

1. For Return Wall Elevation, see "RETAINING WALL & RETURN WALL DETAILS" Sheet.

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC

APPROVED	DATE
PROJECT ENGINEER:	S. SHARIFAN 10/04/16
DESIGNED BY:	L. LIU 2/27/15
DRAWN BY:	G. ESTEPA 2/27/15
CHECKED BY:	M. SOLTANI 2/27/15

SEE SHEET TTL-01 FOR HORIZONTAL AND VERTICAL CONTROL

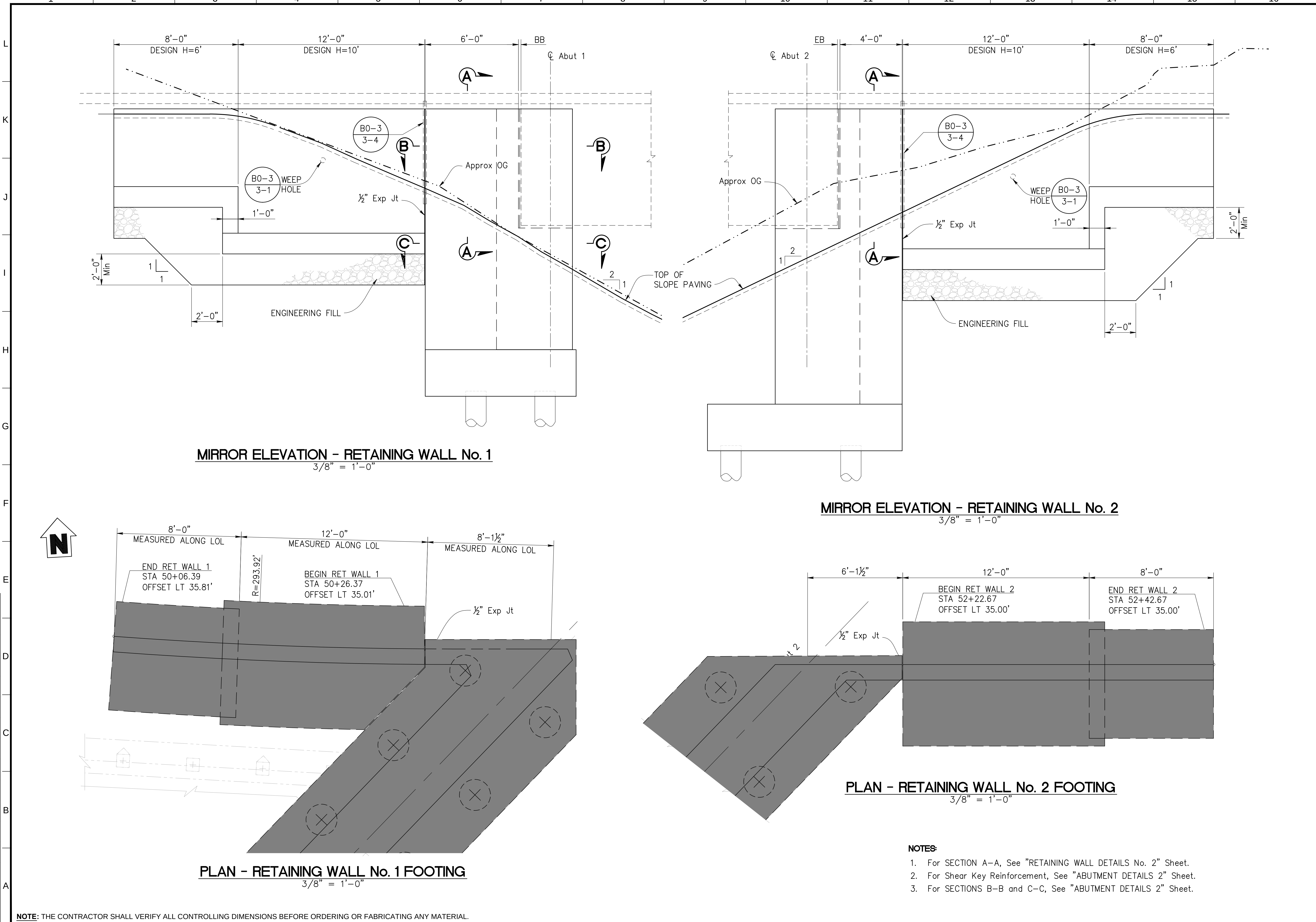
SHEET TITLE:	ABUTMENT DETAILS NO. 2
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.

S-10

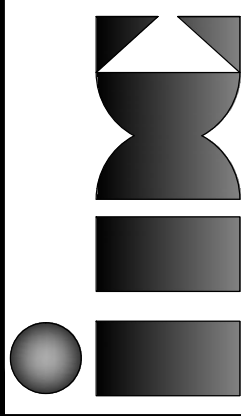
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-9-rwts.dwg, [Retaining Walls 1 & 2] Mon, 03 Oct 2016, 4:53 PM — Fahim

REVISION DATES
(DESIGN STAGE ONLY)





DATE	BY

	CONSULTING ENGINEERS, INC.
	10000 Wilshire Blvd., Suite 120 Beverly Hills, CA 90210 Tel: (310) 206-9070 Fax: (310) 206-9068

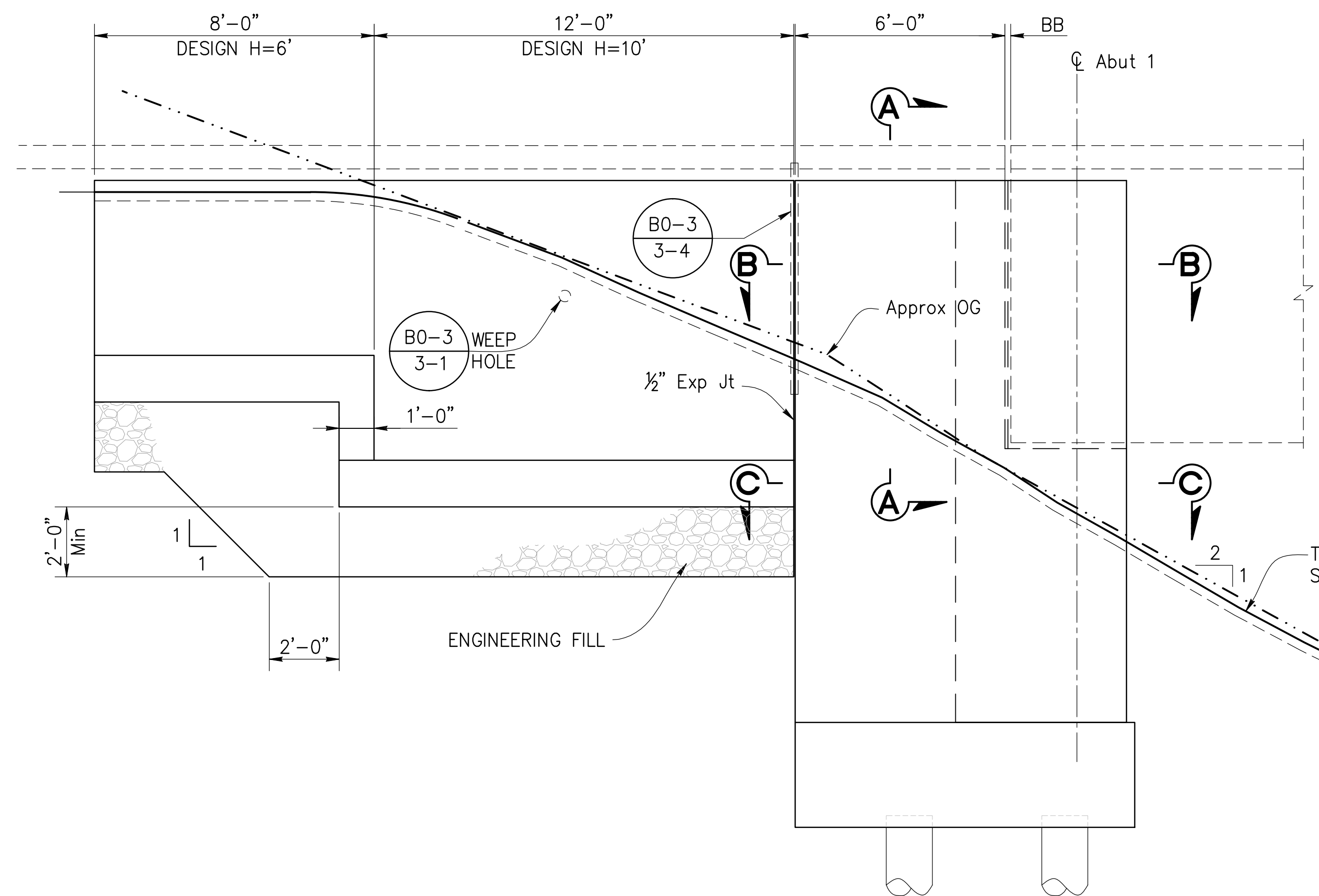
REGISTERED PROFESSIONAL ENGINEER	STATE OF CALIFORNIA
SHAFI SHARIFAN	CIVIL
No. 49697	Exp. 9-30-2018

APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S.	10/04/16
PUBLIC WORKS DIRECTOR / CITY ENGINEER	
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

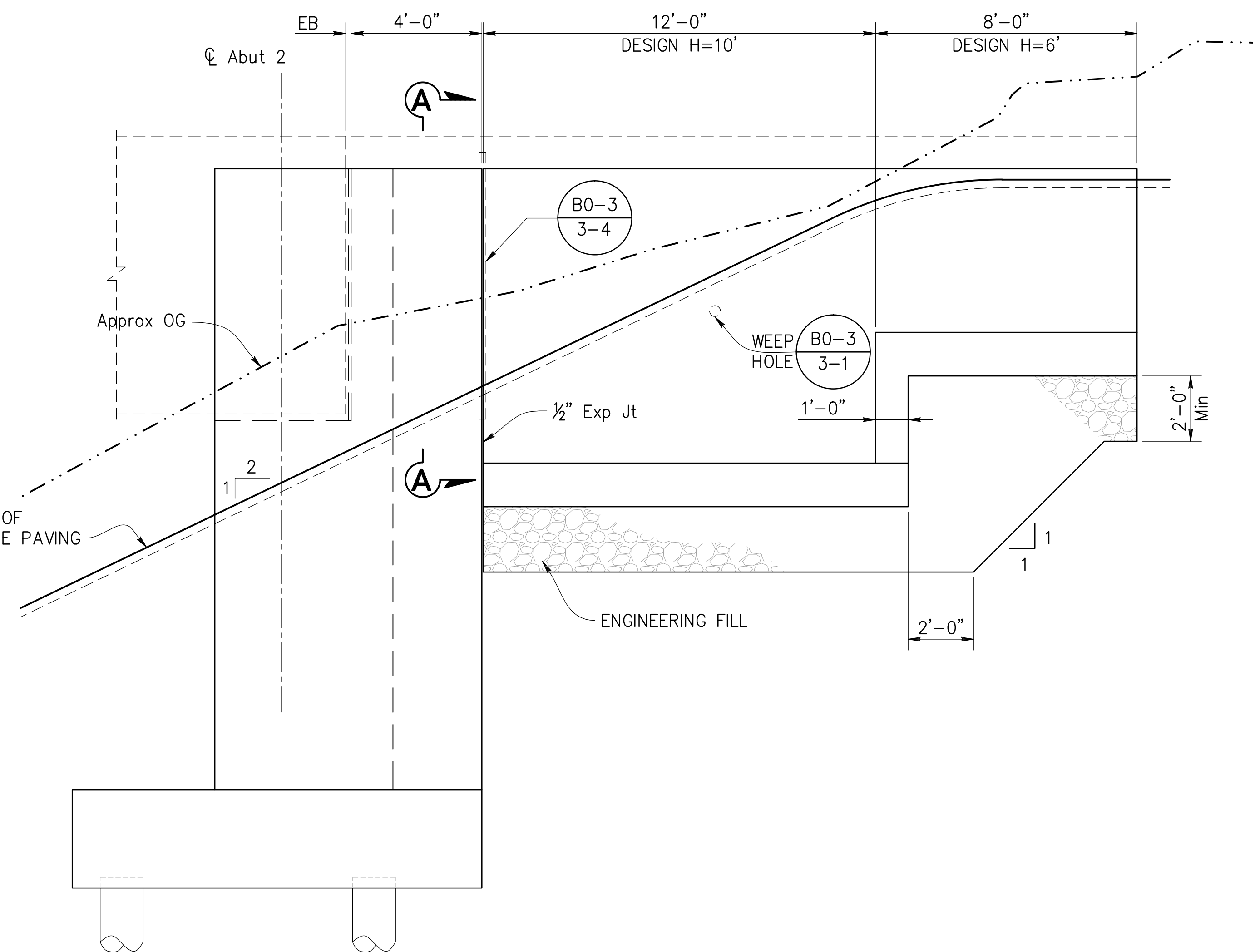
SHEET TITLE:
RETAINING WALL DETAILS NO. 1
CULVERCITY HIGUERA STREET
BRIDGE REPLACEMENT
HIGUERA STREET
CULVERCITY CALIFORNIA

DRAWING NO.
S-11
SHEET 31 OF 43 SHEETS

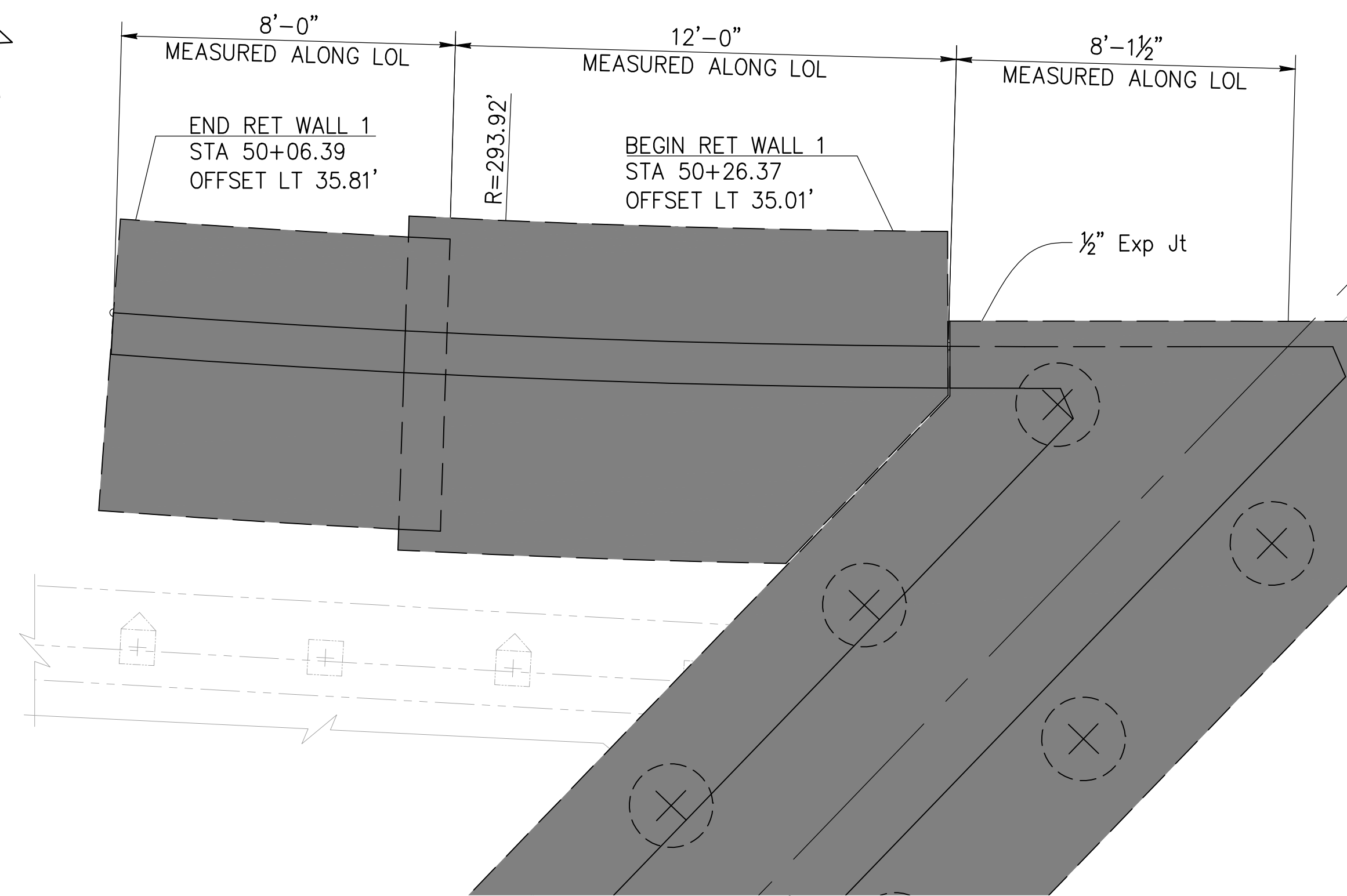
REVISION DATES
(DESIGN STAGE ONLY)



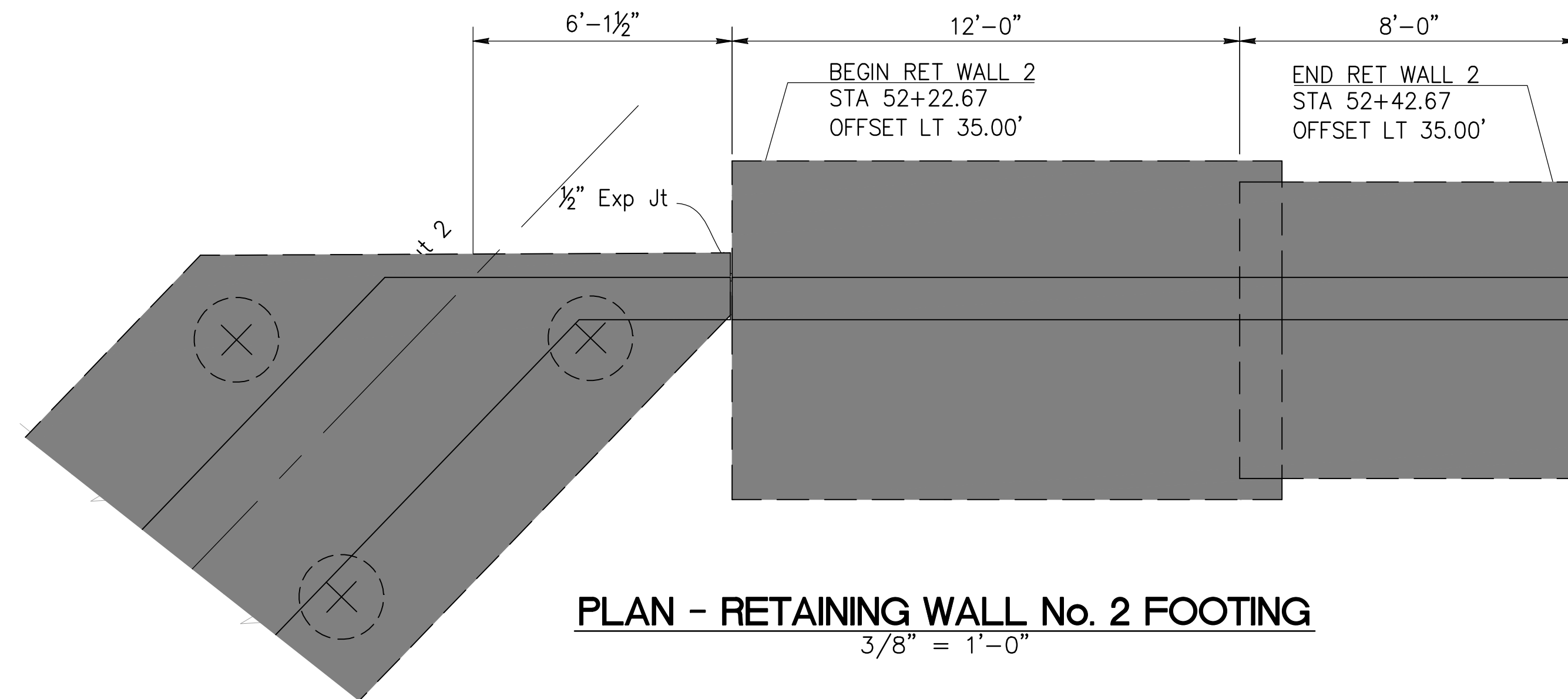
MIRROR ELEVATION - RETAINING WALL No. 1
3/8" = 1'-0"



MIRROR ELEVATION - RETAINING WALL No. 2
3/8" = 1'-0"



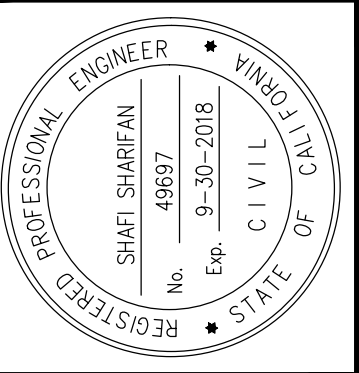
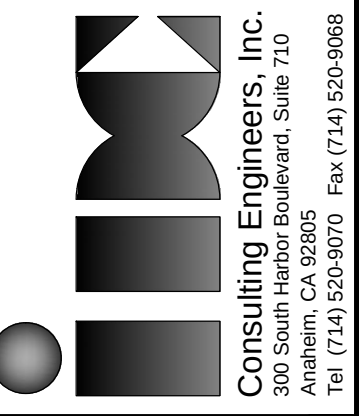
PLAN - RETAINING WALL No. 1 FOOTING
3/8" = 1'-0"



PLAN - RETAINING WALL No. 2 FOOTING
3/8" = 1'-0"

NOTES:

1. For SECTION A-A, See "RETAINING WALL DETAILS No. 2" Sheet.
2. For Shear Key Reinforcement, See "ABUTMENT DETAILS 2" Sheet.
3. For SECTIONS B-B and C-C, See "ABUTMENT DETAILS 2" Sheet.

[illegible]

APPROVED		DATE
PROJECT ENGINEER:		S. SHARIFAN
DESIGNED BY:		L. LIU
DRAWN BY:		G. ESTEPA
CHECKED BY:		M. SOLTANI
		10/04/16
		2/27/15
		2/27/15
		2/27/15

SEE SHEET T11-01 FOR HORIZONTAL AND VERTICAL CONTROL
SHEET TITLE:
RETAINING WALL DETAILS NO. 1
PROJECT:
CULVERTICY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:
HIGUERA STREET CULVERTICY CALIFORNIA

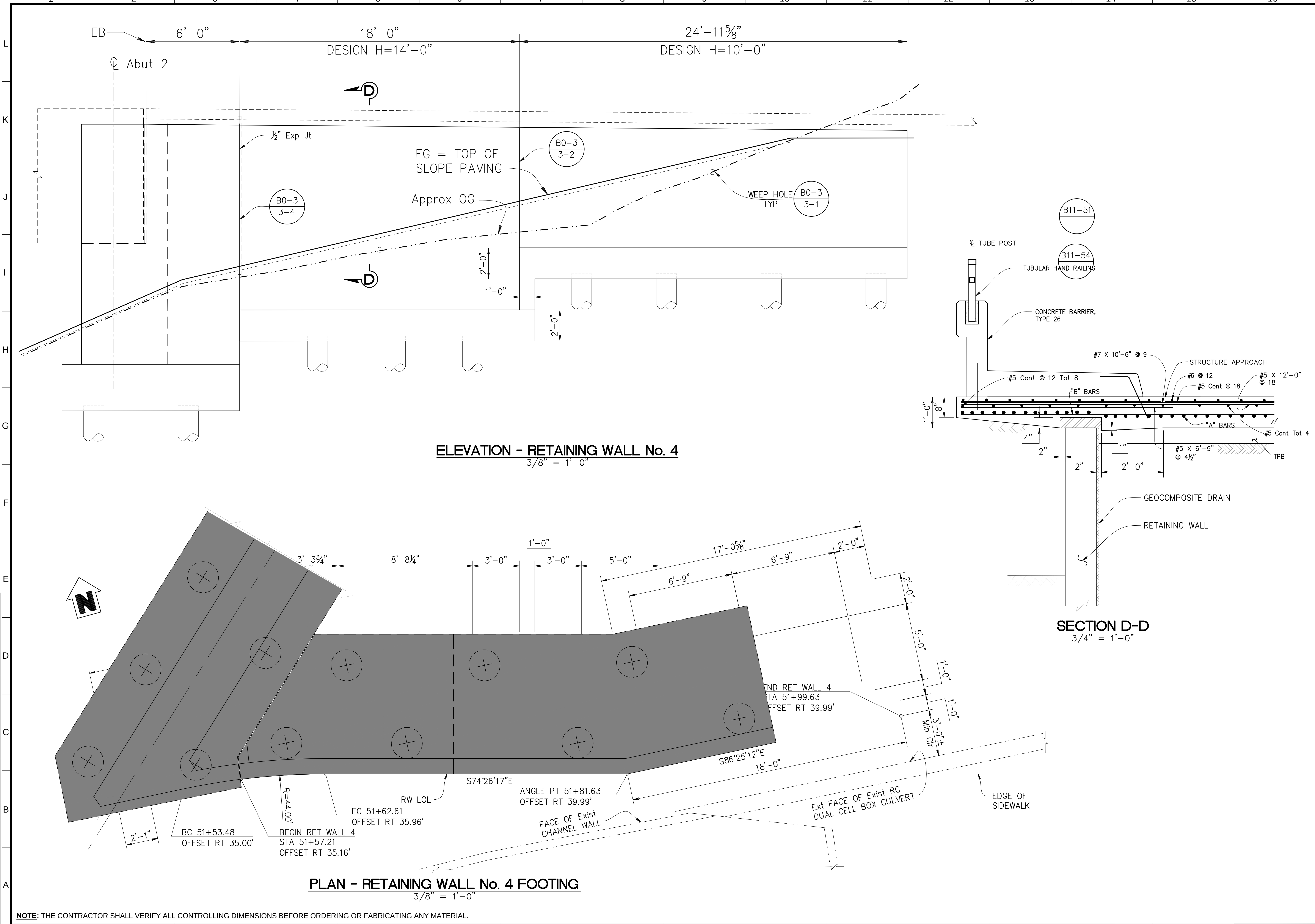
DRAWING NO.

S-11

SHEET 31 OF 43 SHEETS

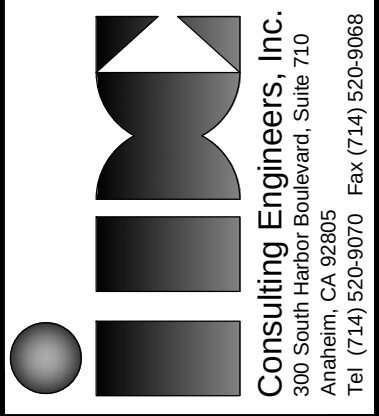
Z:\Dropbox\IDC\CAD\206-01-10_Culver City\FINAL Bridge\53x0876-9-rivets.dwg, [Relining Wall 4], Mon, 03 Oct 2016, 4:56 PM - Fohim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

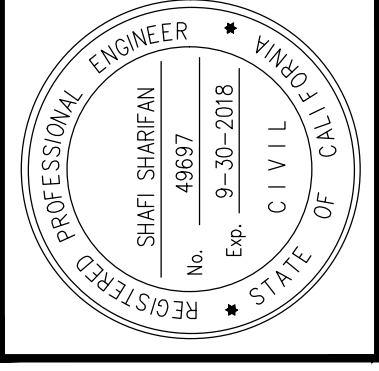




NO.	REVISIONS:	DATE:	BY:



Consulting Engineers, Inc.
Professional Engineers
10000 Wilshire Blvd., Suite 120
Beverly Hills, CA 90210
Tel: (714) 520-9070 Fax: (714) 520-9068



CHARLES D. HERBERTSON, P.E., L.S.
PUBLIC WORKS DIRECTOR / CITY ENGINEER

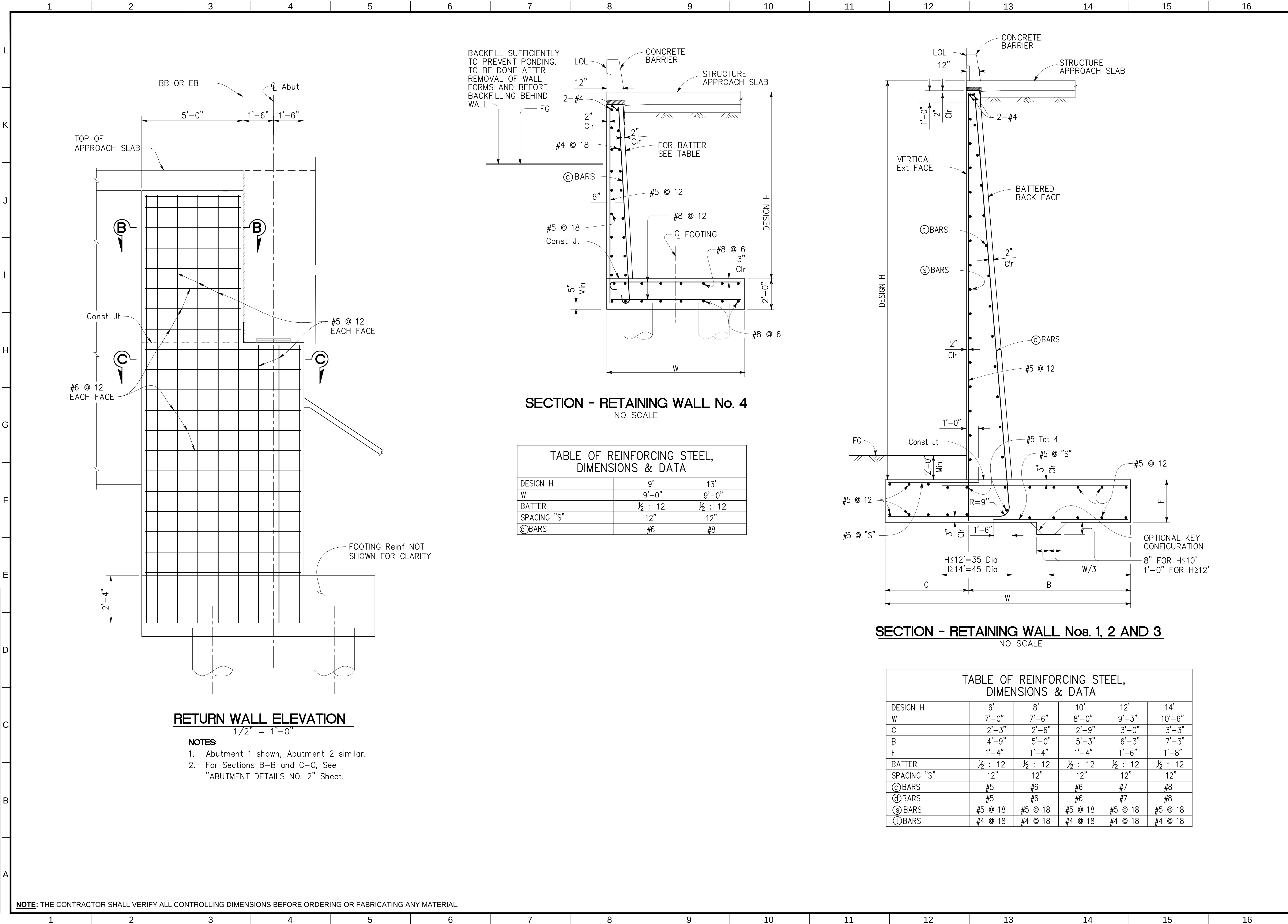
APPROVED	DATE
S. SHARIFAN	10/04/16
PROJECT ENGINEER:	4/9/17
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

RETAINING WALL DETAILS NO. 3	
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

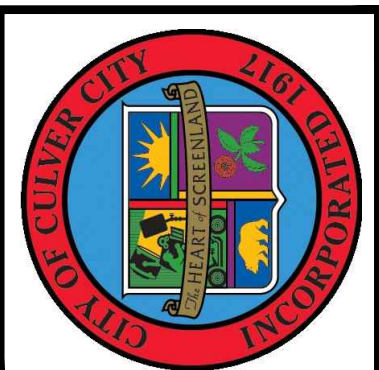
DRAWING NO.	
S-13	
SHEET 33 OF 43 SHEETS	

Z:\Dropbox\IDC\CA0\206-01-10_Culver_City\FINAL Bridge\53c0876-9-rwt03.dwg [Ret. Wall & Wing Wall Details] Mon, 03 Oct 2016, 4:56 PM - Fahim

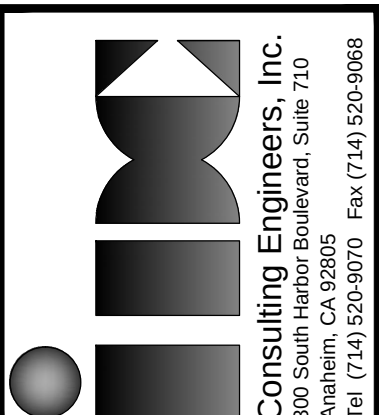
REVISION DATES
(DESIGN STAGE ONLY)



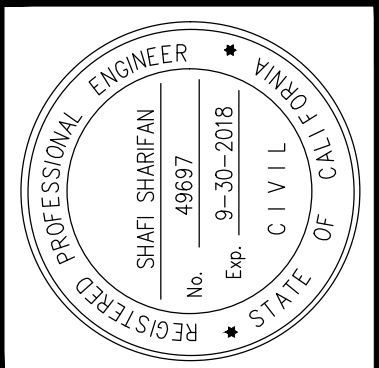
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE: BY:
REVISIONS:
NO



Consulting Engineers, Inc.
Professional Engineers
Anaheim, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068



PROFESSIONAL ENGINEER
SHAFI SHARIFAN
No. 49897
Exp. 9-30-2018
CIVIL
STATE OF CALIFORNIA

APPROVED
DATE: 10/04/16
PROJECT ENGINEER: S. SHARIFAN
DESIGNED BY: L. LIU
DRAWN BY: G. ESTEPA
CHECKED BY: M. SOLTANI

CHARLES D. HERBERTSON, P.E., L.S.
PUBLIC WORKS DIRECTOR / CITY ENGINEER

SEE SHEET TITL-01 FOR HORIZONTAL AND VERTICAL CONTROL

SHEET TITLE: RETAINING WALL & RETURN WALL DETAILS

PROJECT: CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT

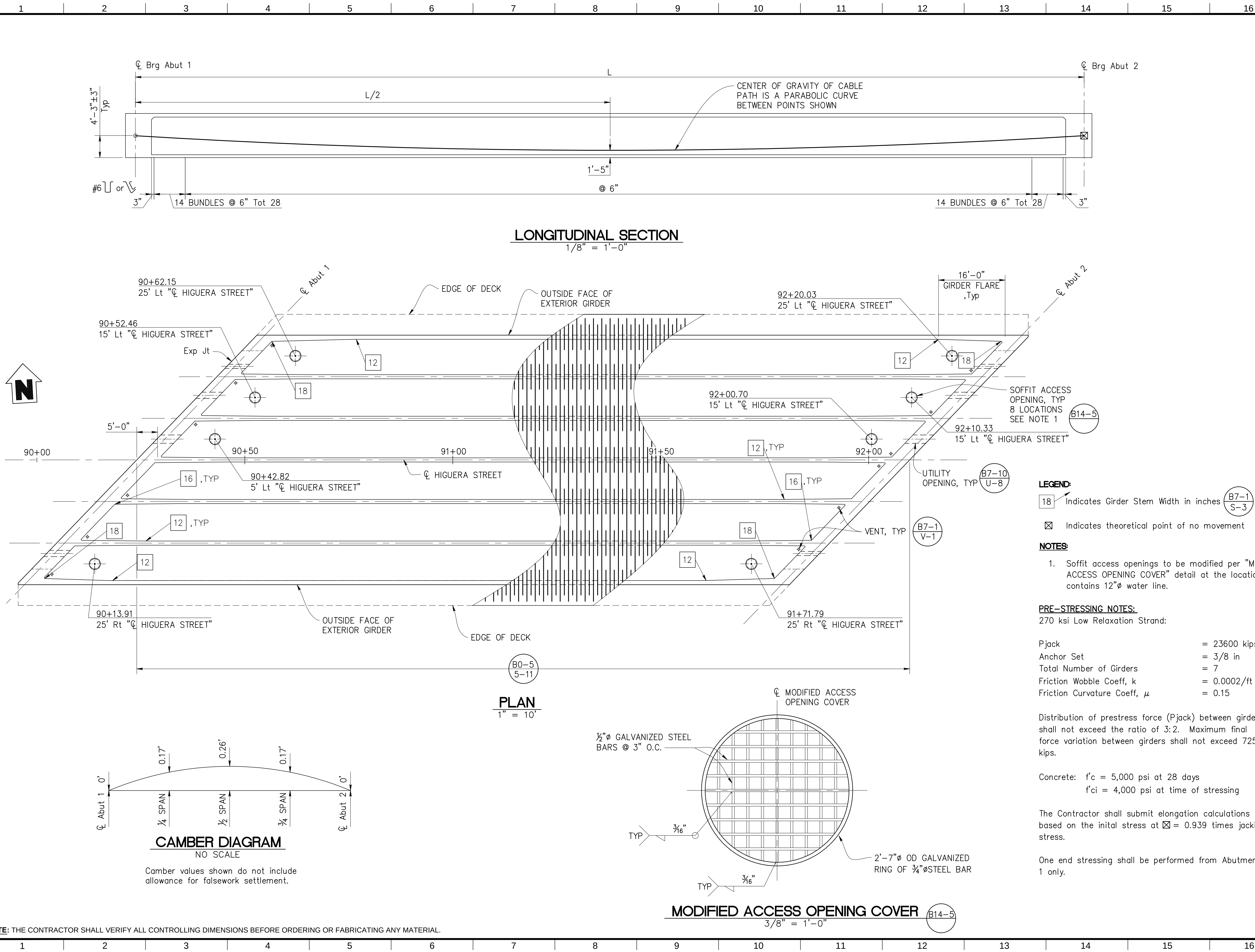
ADDRESS: HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.

S-14

SHEET 34 OF 43 SHEETS

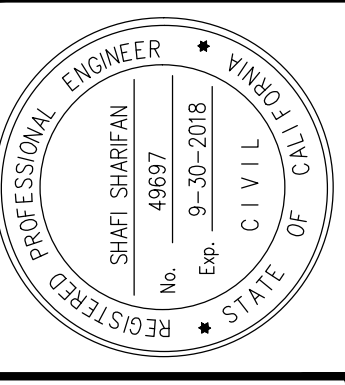
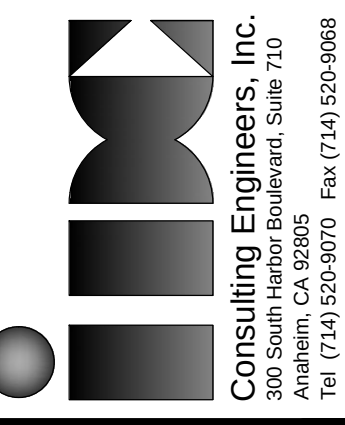
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-1-g-1001.dwg [Culver Layout] Mon, 03 Oct 2016 4:57 PM - Fohim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
REVISION DATES (DESIGN STAGE ONLY)



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO.	REVISIONS:	DATE:	BY:



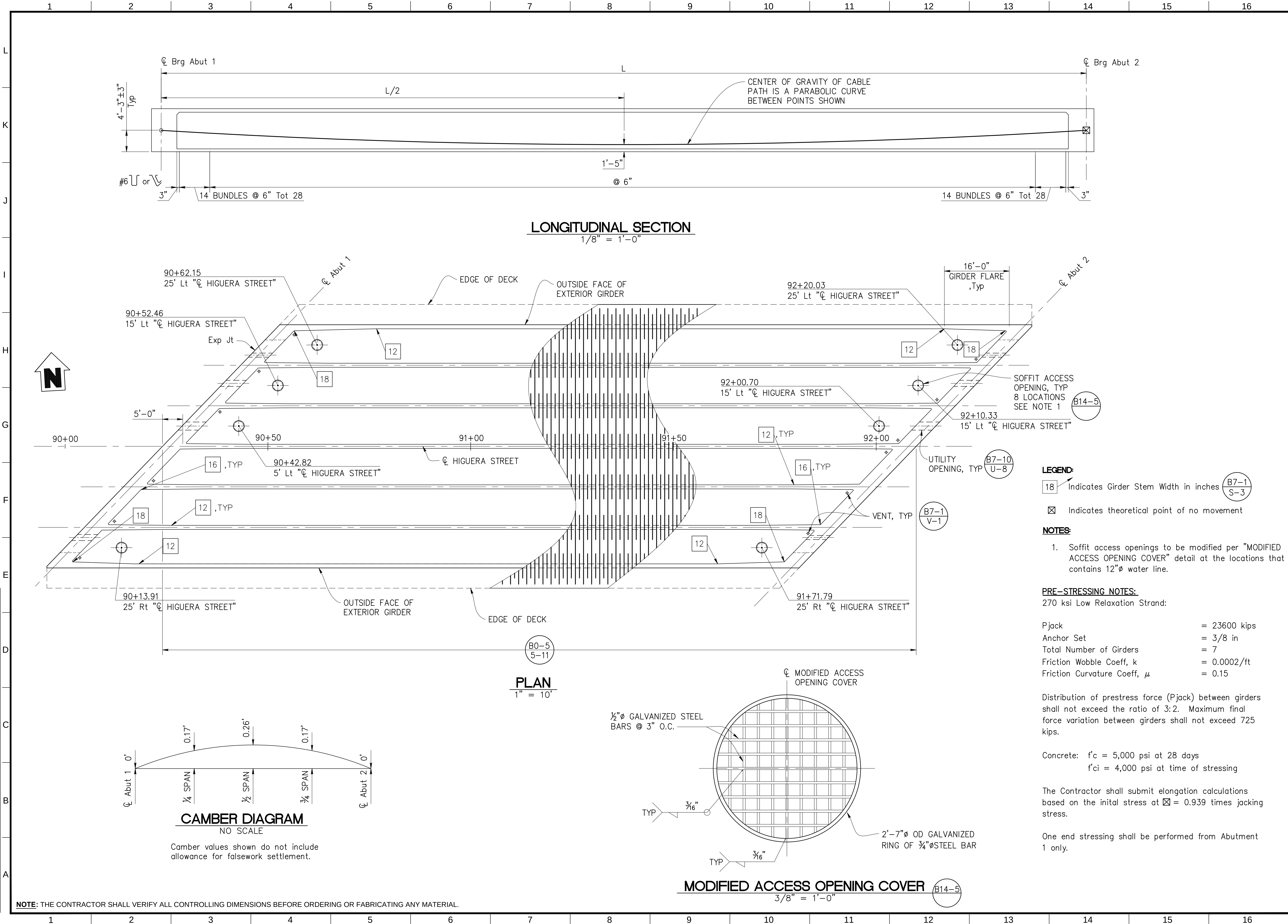
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

SHEET TITLE:	GIRDER LAYOUT
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.	S-16
SHEET 36 OF 43 SHEETS	

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-1-g-1001.dwg [Culver Layout] Mon, 03 Oct 2016, 4:58 PM - Fohim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

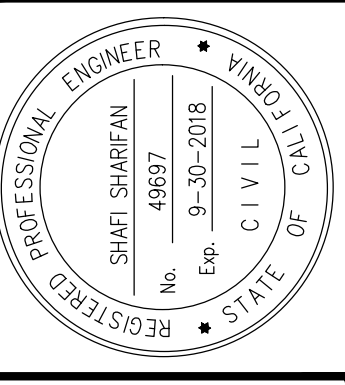
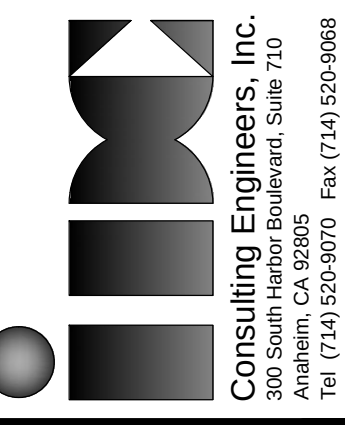
REVISION DATES
(DESIGN STAGE ONLY)



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO.	REVISIONS:	DATE:	BY:



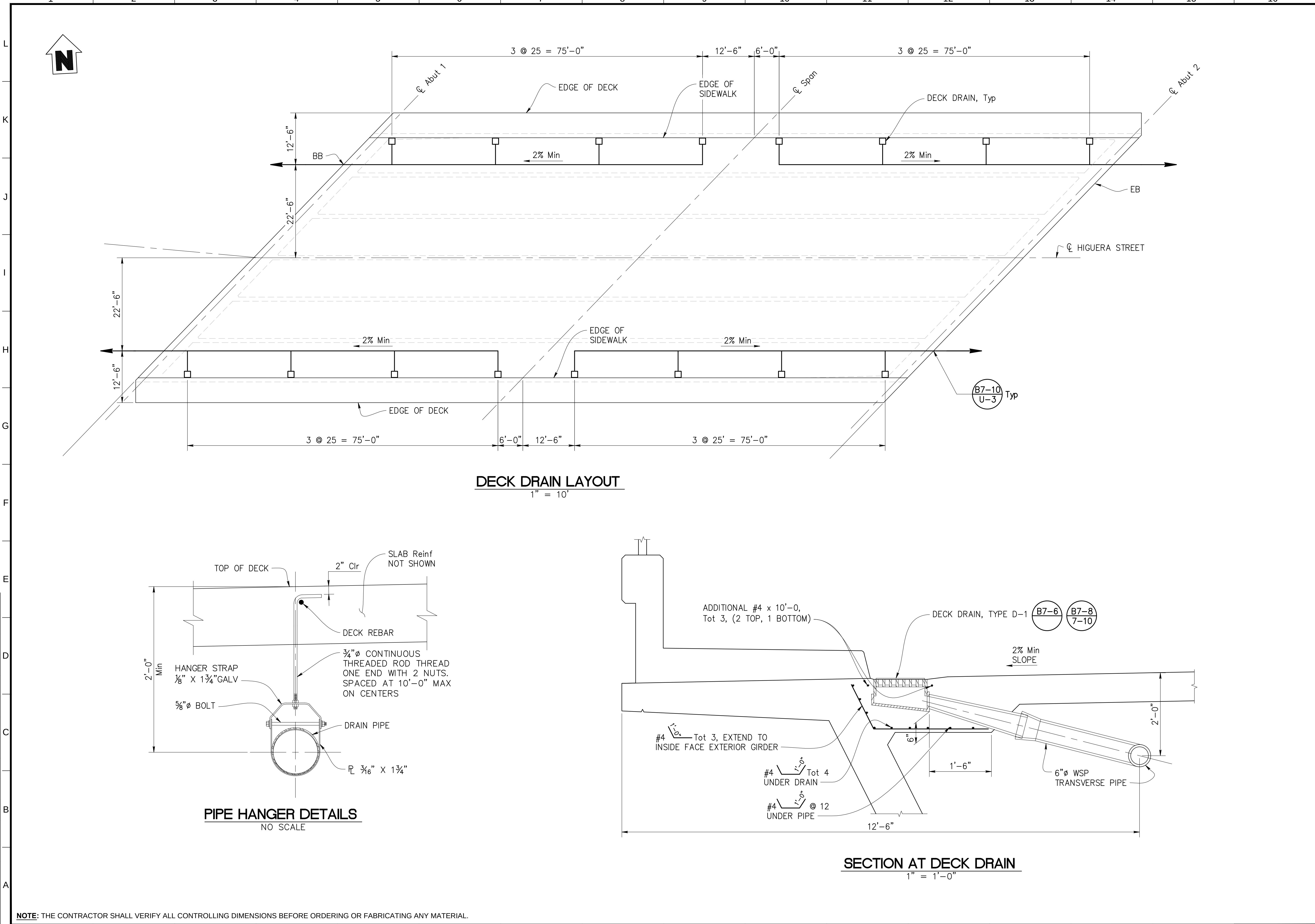
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

SHEET TITLE:	GIRDER LAYOUT
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.	S-16
SHEET 36 OF 43 SHEETS	

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-r-4d-1a01.dwg [Deck Drain Layout] Mon, 03 Oct 2016, 4:58 PM — Fahim

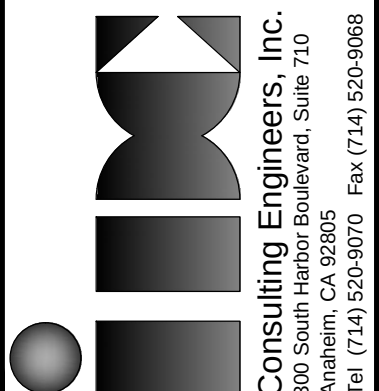
REVISION DATES
(DESIGN STAGE ONLY)



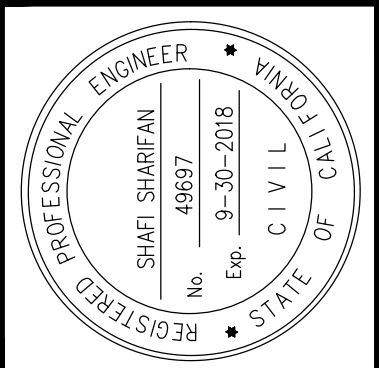
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO	REVISIONS	DATE	BY



Consulting Engineers, Inc.
10000 Wilshire Blvd., Suite 120
Anahiem, CA 92805
Tel: (714) 520-9070 Fax: (714) 520-9068



PROFESSIONAL ENGINEER
SHAFI SHARIFAN
No. 49697
Exp. 9-30-2018
REGISTERED CIVIL ENGINEER
STATE OF CALIFORNIA

APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16

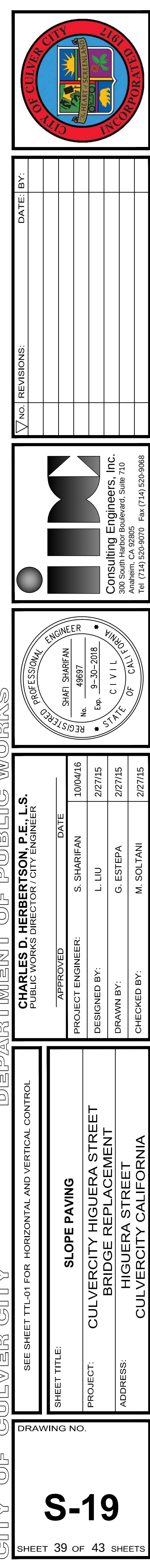
PROJECT ENGINEER	DESIGNED BY	DRAWN BY	CHECKED BY
S. SHARIFAN	L. LIU	G. ESTEPA	M. SOLTANI

DATE	10/04/16
PROJECT ENGINEER	S. SHARIFAN
DESIGNED BY	L. LIU
DRAWN BY	G. ESTEPA
CHECKED BY	M. SOLTANI

SHEET TITLE:	DECK DRAIN LAYOUT
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

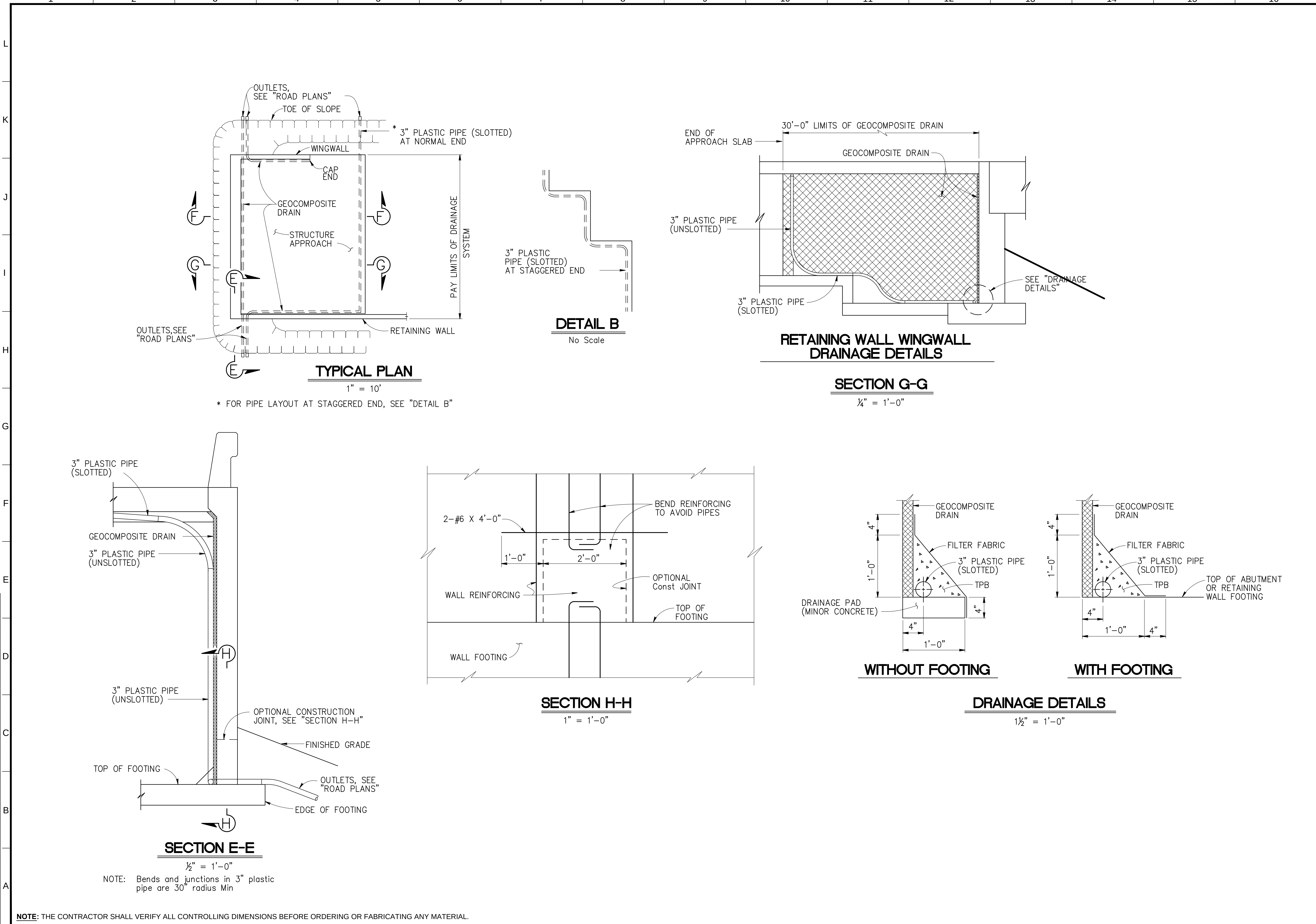
DRAWING NO.
S-18

SHEET 38 OF 43 SHEETS

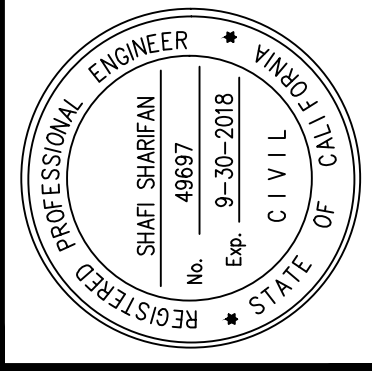
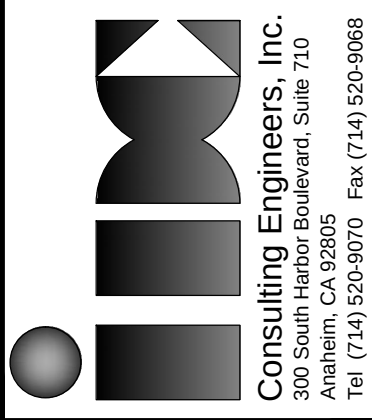


Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-e-sold_x3-110.dwg [Structure Appr Drain Detail] Mon, 03 Oct 2016, 4:59 PM — Fahim

REVISION DATES
(DESIGN STAGE ONLY)



DATE:	BY:
REVISIONS:	
NO	

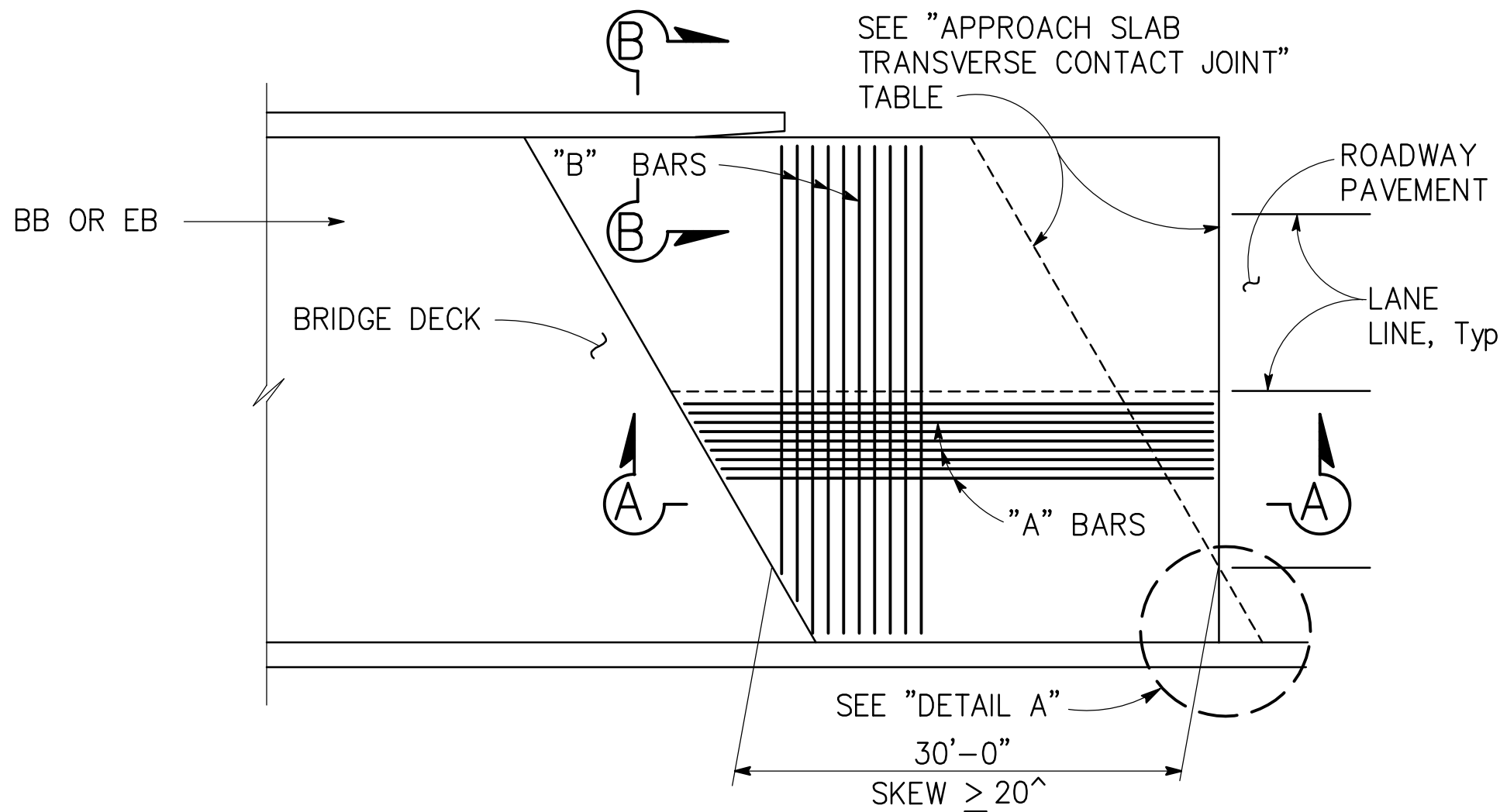


APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	
PROJECT ENGINEER:	S. SHARIFAN 10/04/15
DESIGNED BY:	L. LIU 2/27/15
DRAWN BY:	G. ESTEPA 2/27/15
CHECKED BY:	M. SOLTANI 2/27/15

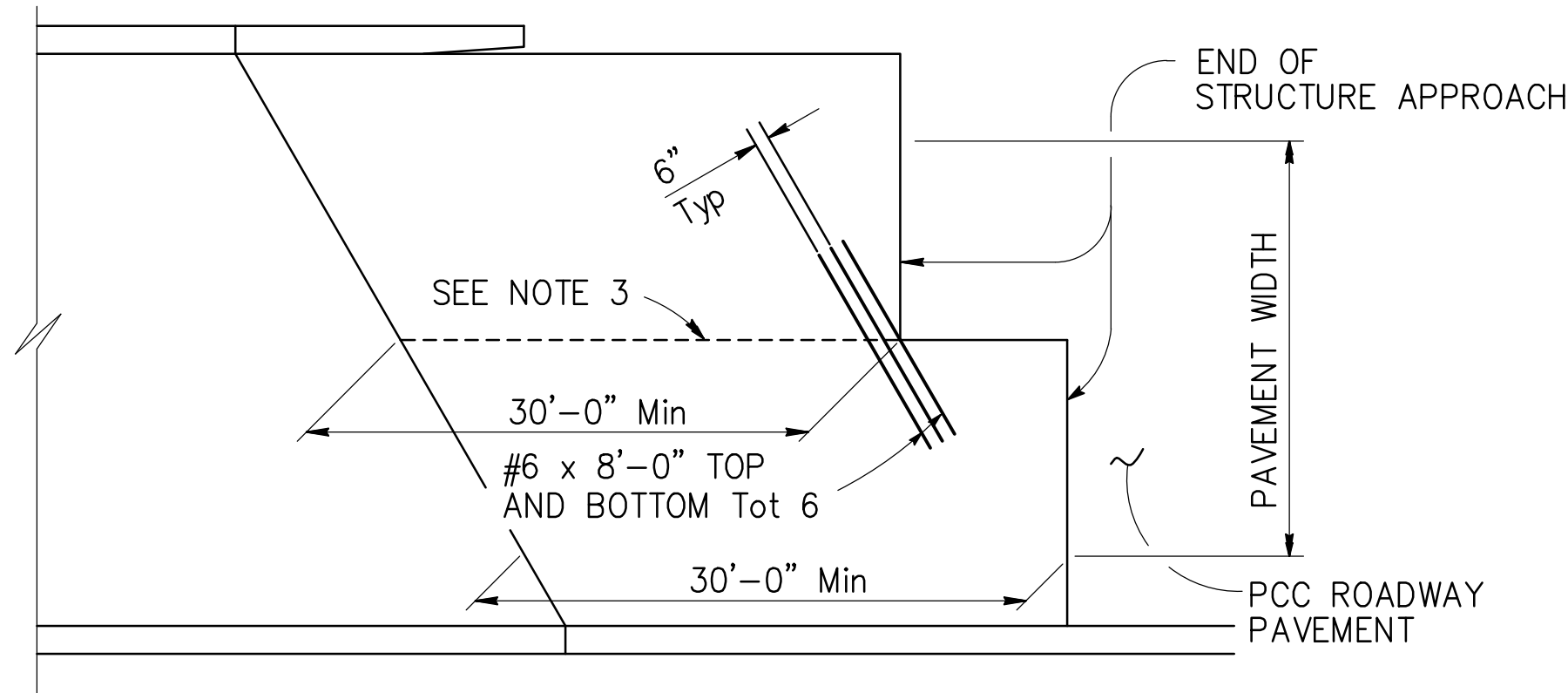
SHEET TITLE:	STRUCTURE APPROACH DRAINAGE DETAILS
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.
S-20
SHEET 40 OF 43 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\330876-v-ss-ss3-120.dwg [Structure Appr Type] Nov_03_2016, 5:00 PM - Fehim
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
REVISION DATES (DESIGN STAGE ONLY)

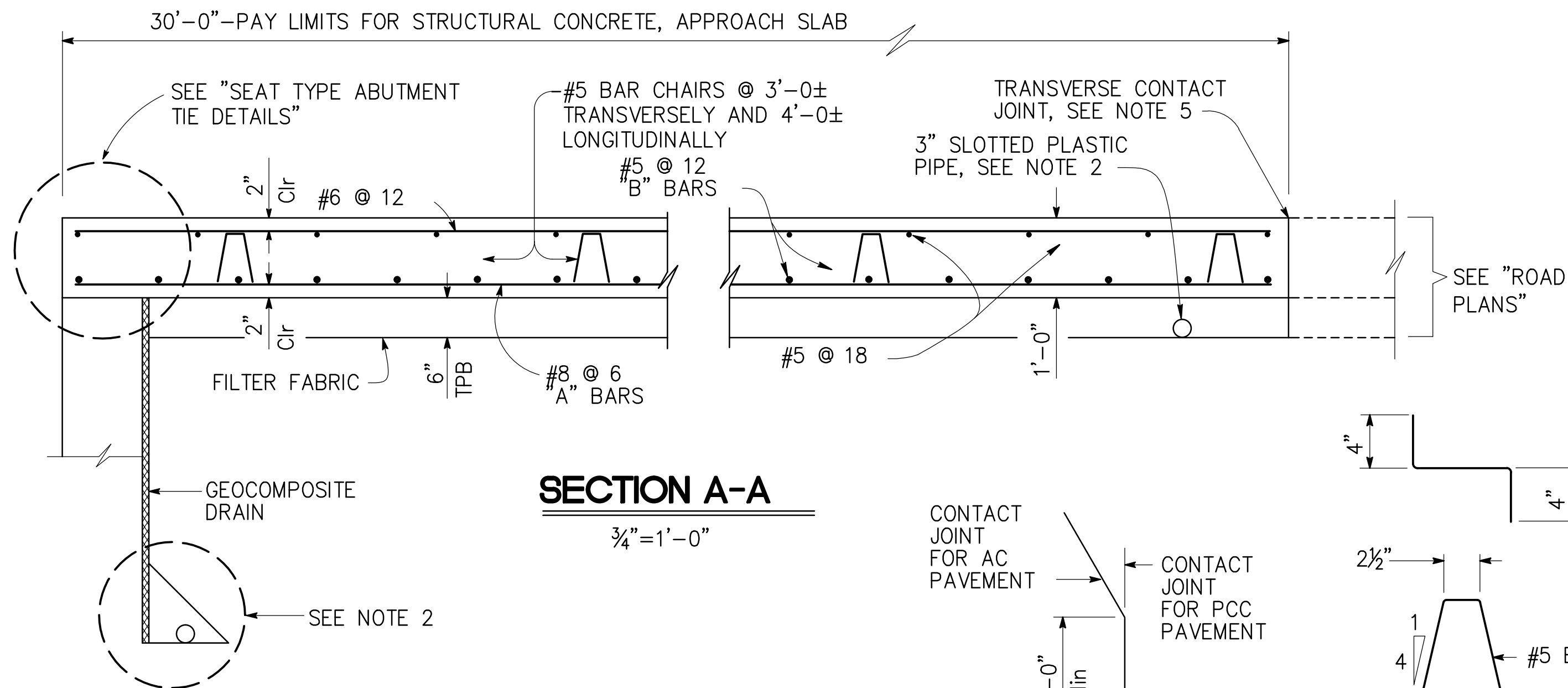


PLAN
1" = 10'

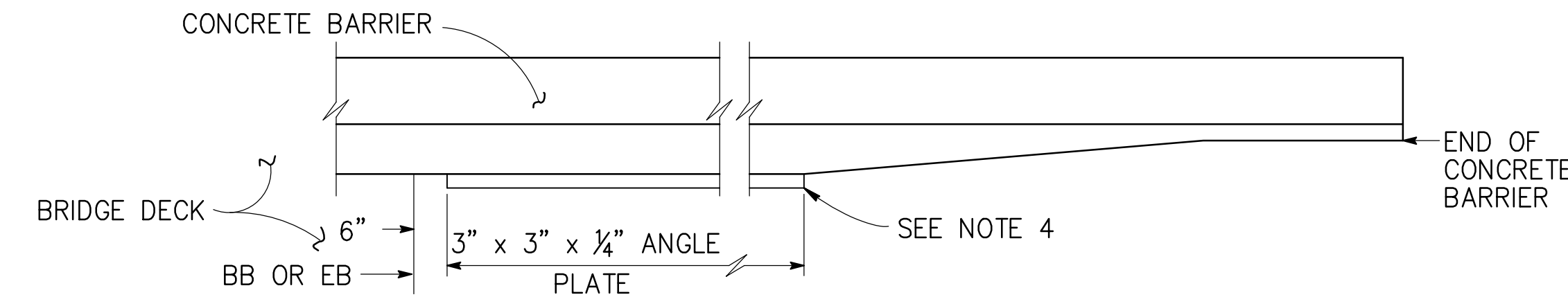


STRUCTURE APPROACH - END STAGGER DETAIL
NO SCALE

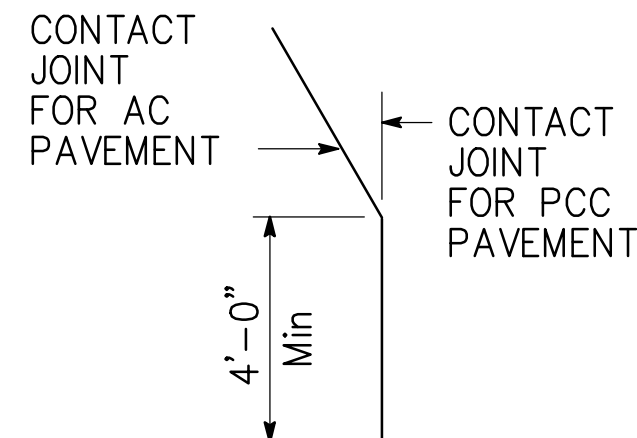
APPROACH SLAB TRANSVERSE CONTACT JOINT		
APPROACH SKEW	WITH AC ROADWAY PAVEMENT	WITH PCC ROADWAY PAVEMENT
< 20°	PARALLEL TO FACE OF PN	PARALLEL TO FACE OF PN
20° - 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER LINES 24' TO 36' APART
> 45°	PARALLEL TO FACE OF PN USE "DETAIL A"	STAGGER AT EACH LANE LINE



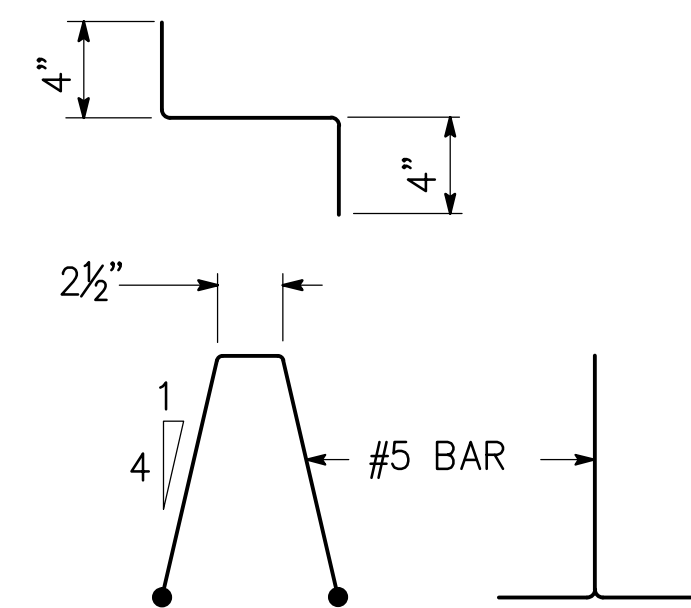
SECTION A-A
3/4" = 1'-0"



EDGE ANGLE DETAIL
1/2" = 1'-0"



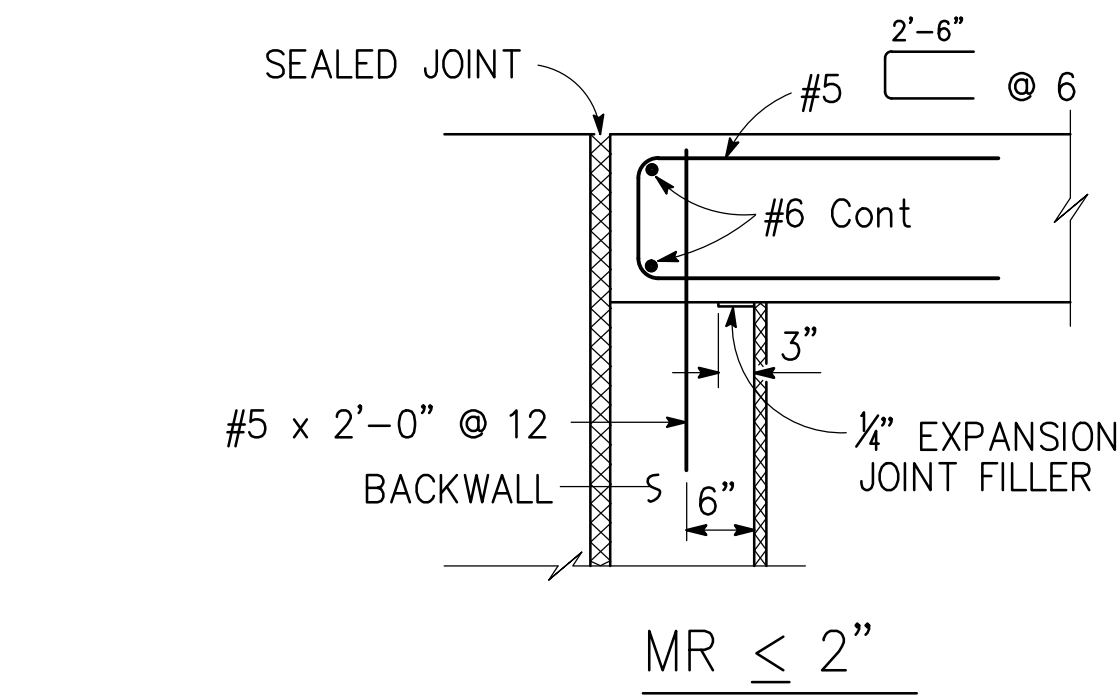
DETAIL A
No Scale



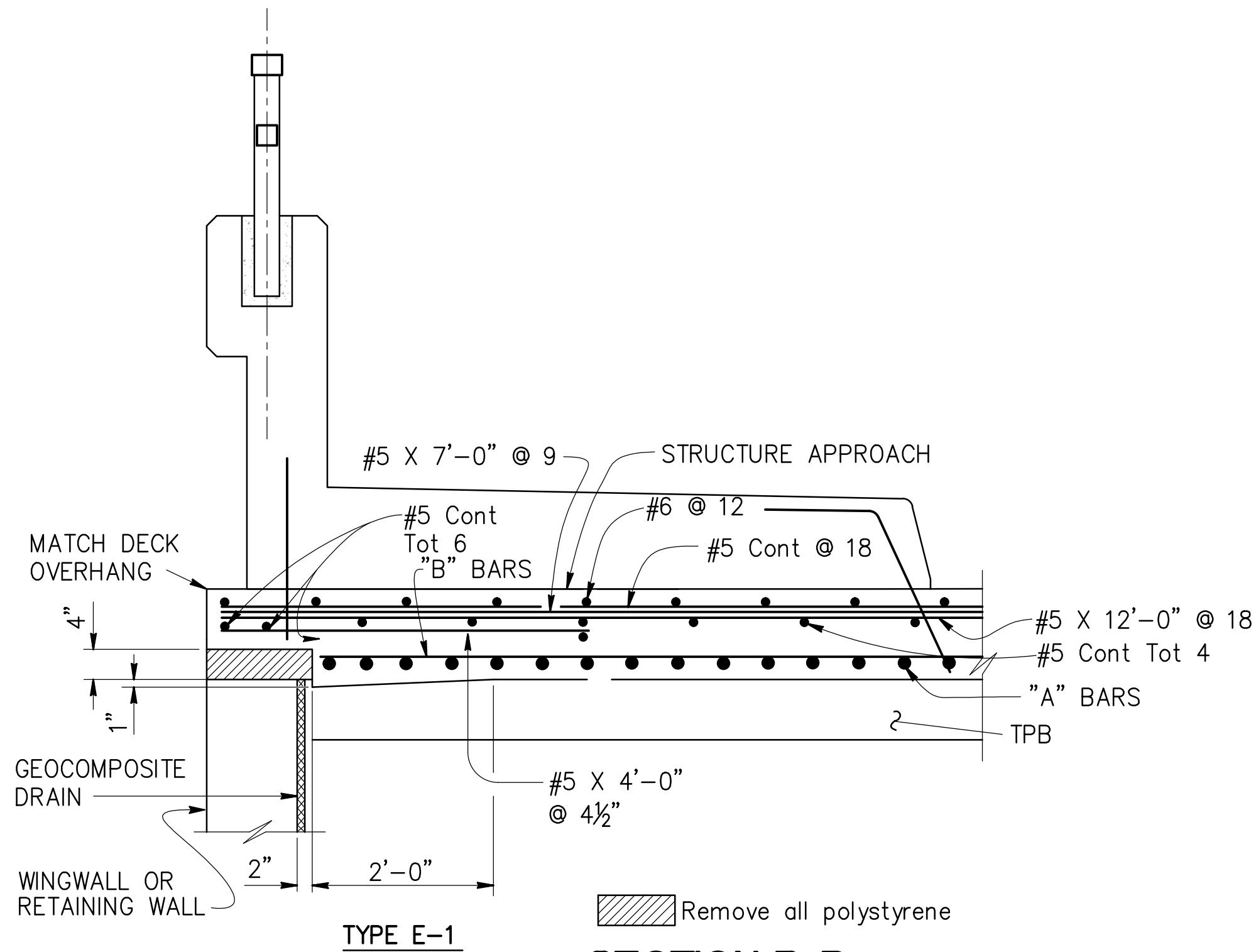
BAR CHAIR DETAIL
1 1/2" = 1'-0"

NOTES:

1. For details not shown, see Structure Plans. For MR < 2", adjust bar reinforcement to clear a sawcut for sealed joint, when required.
2. For drainage details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
3. Longitudinal construction joints, when permitted by the Engineer, shall be located on lane lines.
4. End angle or plate at beginning of barrier transition, end of wingwall or end of structure approach as applicable.
5. For transverse contact joint with new PCC paving, refer to Standard Plan P10.
6. At the Contractor's option, approach slab transverse reinforcement may be placed parallel to paving notch. Spacing of transverse reinforcement is measured along roadway.



SEAT TYPE ABUTMENT TIE DETAILS (SEE NOTE 1)
3/4" = 1'-0"



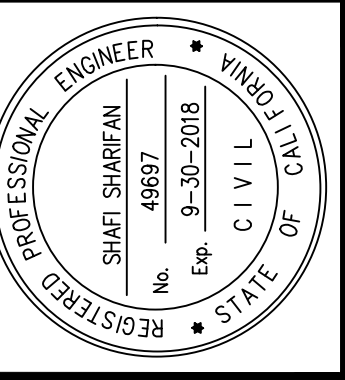
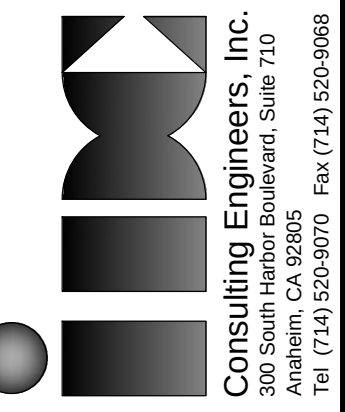
SECTION B-B
3/4" = 1'-0"

(Type E-1 to be used, unless otherwise shown on plans)

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DATE:	BY:
REVISIONS:	NO



APPROVED		DATE
PUBLIC WORKS DIRECTOR / CITY ENGINEER		10/04/15
PROJECT ENGINEER:	S. SHARIFAN	49697
DESIGNED BY:	L. LIU	2/27/15
DRAWN BY:	G. ESTEPA	2/27/15
CHECKED BY:	M. SOLTANI	2/27/15

SHEET TITLE:	
STRUCTURE APPROACH TYPE N(30S)	
PROJECT:	
CULVERCITY HIGUERA STREET	
BRIDGE REPLACEMENT	
ADDRESS:	
HIGUERA STREET	
CULVERCITY CALIFORNIA	

DRAWING NO.

S-21

SHEET 41 OF 43 SHEETS

CITY OF CULVER CITY

DEPARTMENT OF PUBLIC WORKS



SEE SHEET T-1 FOR HORIZONTAL AND VERTICAL CONTROL

LOG OF TEST BORINGS - 1 & 3

**CULVER CITY HIGUERA STREET
BRIDGE REPLACEMENT**

SHEET TITLE:

LOG OF TEST BORINGS - 1 & 3

**CULVER CITY HIGUERA STREET
BRIDGE REPLACEMENT**

PROJECT:

**CULVER CITY HIGUERA STREET
BRIDGE REPLACEMENT**

**CULVER CITY HIGUERA STREET
BRIDGE REPLACEMENT**

ADDRESS:

**HIGUERA STREET
CULVER CITY CALIFORNIA**

**HIGUERA STREET
CULVER CITY CALIFORNIA**

WORK ORDER NO.

E60000591

E60000591

DRAWING NO.

S-22

S-22

SHEET 42 OF 43 SHEETS

S-22

S-22

REVISION DATES (DESIGN STAGE ONLY)

S-23

SHEET 43 OF 43 SHEETS