

REVISION DATES (DESIGN STAGE ONLY)

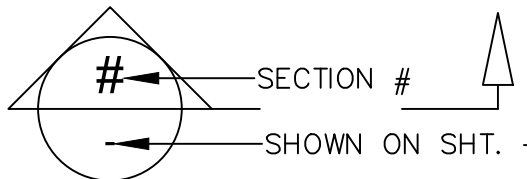
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

CONSTRUCTION NOTES

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

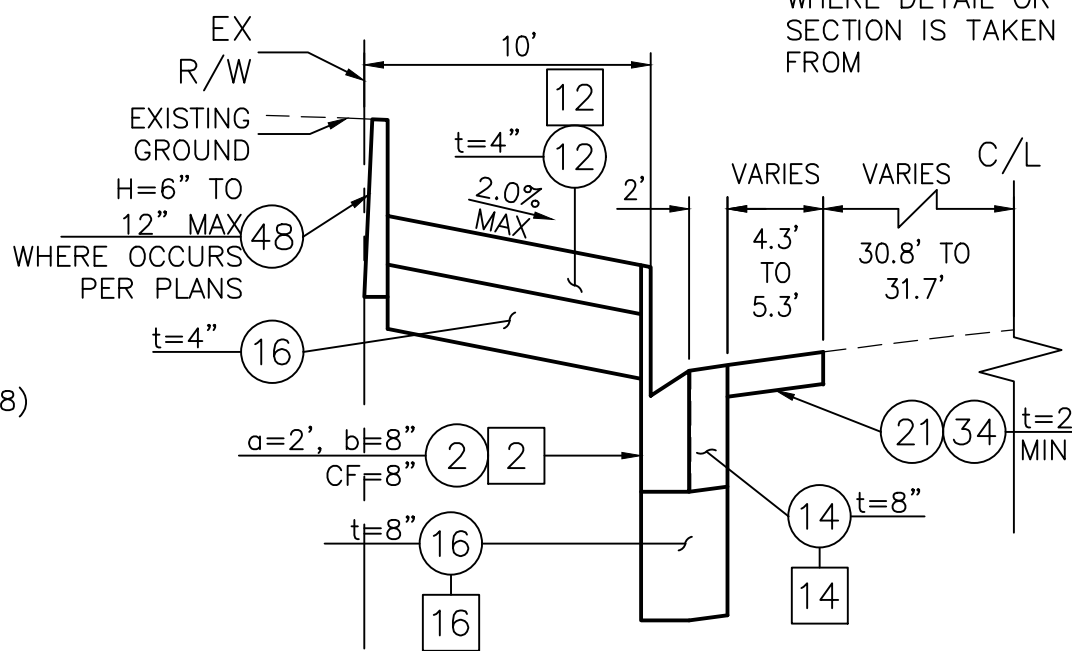
2. TYPE C INTEGRAL CURB & GUTTER (a=2', b=6")
8. CONCRETE PAVEMENT (1 PER PLAN, type=520-A-2500)
10. CONCRETE DRIVEWAY (CASE 2, W PER PLAN)
12. CONCRETE WALK (t=4")
13. CONCRETE RAMP (CASE PER PLAN)
14. ASPHALT CONCRETE PAVEMENT (t=8")
16. CRUSHED MISCELLANEOUS BASE (t=8")
18. METAL BEAM GUARDRAIL
19. ADJUST MANHOLE TO GRADE
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)
36. RELOCATE UTILITY POLE
38. RELOCATE AND/OR ADJUST STREET LIGHTING PULL BOX TO GRADE
39. RELOCATE AND/OR ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE
39A. NEW #5 PULL BOX PER CALTRANS STD PLAN ES-8
47. RELOCATE STREET SIGN
48. RETAINING CURB (PER DETAIL ON SHEET 10)
49. LANDSCAPING
50. CONCRETE CLASS I BIKE PATH (2" AC/ 2" CMB)
51. CHAIN LINK FENCE
52. STREET LIGHT
53. GUY ANCHOR
54. TRAFFIC SIGNAL CABINET
55. TRAFFIC SIGNAL AND FOUNDATION AS SHOWN
56. AT&T VAULT
57. MANHOLE
58. POWER POLE
70. 2" RIGID GALVANIZED STEEL CONDUIT
71. TRAFFIC SIGNAL POLE AND FOUNDATION AS SHOWN
79. UNCLASSIFIED EXCAVATION
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
146. AT&T TELEPHONE LINE
147. SOUTHERN CALIFORNIA EDISON OVERHEAD ELECTRIC LINE
148. GOLDEN STATE WATER DISTRICT WATER LINE
149. SOUTHERN CALIFORNIA EDISON ELECTRIC LINE
150. CITY OF LOS ANGELES 11"x10.5" REINFORCED CONCRETE DUAL BOX
151. CITY OF LOS ANGELES SEWER LINE

SECTION CALLOUT

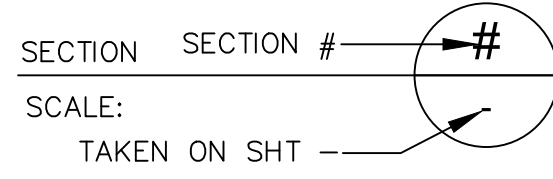


DETAIL CALLOUT AND TITLE

SHEET NUMBER WHERE DETAIL OR SECTION APPEARS ON, WHEN THE DETAIL OR SECTION APPEARS ON THE SAME SHEET THAT IT WAS TAKEN FROM, USE A HORIZONTAL LINE



SECTION TITLE



SYMBOLS/LEGEND

STREET

- E —
— FO —
— G —
— SD —
— SS —
— T —
— W —
— TEL —
— OHE —
— IRR —
— OIL —
— SD —
— PWR —
— SIG —
— SC-RPS —

- SOUND WALL
RETAINING WALL
RAIL ROAD
EXISTING
FLOW LINE
DAYLIGHT LINE (GRADING)
EXISTING ELECTRICAL
EXISTING FIBER OPTIC
EXISTING GAS
EXISTING STORM DRAIN
EXISTING SANITARY SEWER
EXISTING TELECOMMUNICATION
EXISTING WATER
SAWCUT LINE
TELEPHONE
ELECTRICAL OVER HEAD
IRRIGATION
OIL
STORM DRAIN
EDISON
SIGNAL
FIBER OPTICS

SANITATION

- MAINTENANCE HOLE
○ SEWER MH
○ SEWER CLEAN-OUT

STORM WATER

- STORM DRAIN MH
○ CD CURB DRAIN

POWER

- POWER MH
○ POWER POLE
○ GUY WIRE
○ ELECTRIC VENT
○ ELECTRIC PULLBOX

WATER

- WATER METER
○ WATER VALVE

GAS

- GAS VALVE

COMMUNICATIONS

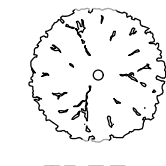
- TELEPHONE MAINT. HOLE

TRAFFIC CONTROL

- LIGHT STANDARD
○ TRAFFIC STANDARD
○ LIGHT & TRAFFIC STANDARD
○ TRAFFIC SIGNAL PULLBOX

MISCELLANEOUS

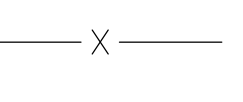
- PULLBOX
○ SIGN
○ FIRE HYDRANT
○ GUARD POST



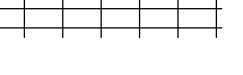
○ TREE—
○ SIZE IN INCHES



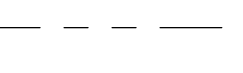
○ PALM TREE—
○ SIZE IN INCHES



○ FENCE LINE



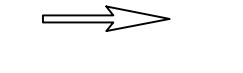
○ FLOW LINE



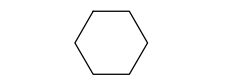
○ RAIL LINE



○ CENTER LINE



○ RIGHT OF WAY



○ EXISTING DRIVEWAY



○ EXISTING STRUCTURE



○ NEW CONSTRUCTION



○ DIRECTION OF TRAFFIC



○ WATER SURFACE ELEV



○ CURVE



○ DELTA

LIST OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ASPHALT CONCRETE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BRDG	BRIDGE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF SIDEWALK
CB	CATCH BASIN
CC	CULVER CITY
CF	CURB FACE
CL	CENTER LINE
CONST	CONSTRUCTION
COLA	CITY OF LOS ANGELES
E/O	EAST OF
EC	END CURVE
ECR	END CURB RETURN
EG	EXISTING GROUND
EVC	END VERTICAL CURVE
EX	EXISTING
FNC	CHAIN LINK FENCE
FS	FINISH SURFACE
GDRL	GUARDRAIL
GSWC	GOLDEN STATE WATER COMPANY
INSP	INSPECTION
LA	LOS ANGELES
LT	LEFT
MH	MANHOLE
N/O	NORTH OF
OH	OVERHEAD
OP	POWER POLE
PT	POINT
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
R/CB	REINFORCED CONCRETE BOX
RT	RIGHT
R/W	RIGHT OF WAY
S/O	SOUTH OF
SCE	SOUTHERN CALIFORNIA EDISON
SCGC	SOUTHERN CALIFORNIA GAS COMPANY
SL	STREET LIGHT
SLPK	STREET LIGHT PULL BOX
SLWK	SIDEWALK
SMH	SEWER MANHOLE
SSWR	SANITARY SEWER
STRUC	STRUCTURE
TB	TOP OF BRIDGE
TG	TOP OF GRATE
TRANS	TRANSITION
TS	TRAFFIC SIGNAL
TSPB	TRAFFIC SIGNAL PULL BOX
VC	VERTICAL CURVE LENGTH
W/O	WEST OF

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

INDEX OF DISCIPLINES

LETTER	DISCIPLINE	LETTER	DISCIPLINE
R	REFERENCE	P	PLANTING
C	CIVIL	TH	TRAFFIC HANDLING
S	STRUCTURAL	TR	TRAFFIC RESTORATION
SD	STORM DRAIN	TS	TRAFFIC SIGNAL
SS	SEWER	TTS	TEMPORARY TRAFFIC SIGNAL
SL	STREET LIGHTING	U	UTILITY SUBSTRUCTURES
I	IRRIGATION		

CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY:

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

RODEO ROAD (CITY OF LOS ANGELES)

FROM STA 51+82.16 TO 53+82.24
NOT TO SCALE

REVIEWED AND INSPECTED
BY CITY OF LOS ANGELES

NL'Y DRIVEWAY TYPICAL SECTION A

STA 53+02.10
NOT TO SCALE

REVIEWED AND INSPECTED
BY CITY OF LOS ANGELES

SL'Y DRIVEWAY TYPICAL SECTION B

STA 52+91.07
NOT TO SCALE

REVIEWED AND INSPECTED
BY CITY OF LOS ANGELES

HIGUERA STREET (CITY OF CULVER CITY)

FROM STA 47+86.45 TO 49+95.35
NOT TO SCALE

REVIEWED AND INSPECTED
BY CITY OF CULVER CITY

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY: **BR003512**

SERIAL NO. **P-38252**

INDEX NO. **P-38252**

BUREAU OF ENGINEERING

APPROVAL:

OFFICE: CENTRAL DISTRICT

CHECKED BY: (PRINTED NAME) **TERRY PHAN**

DATE: **04/13/2017**

SIGNATURE: **Terry Phan**

WORK ACCEPTED

DATE: **04/18/2017**

CHECKED BY: **ARIEF NAFATI, PE**

APPROVED BY: **ARIEF NAFATI, PE**

07/15/16

PSOMAS

DESIGN GROUP

ENGINEER: **ARIEF NAFATI, PE**

DESIGNED BY: **VINCENT HELLENS**

DRAWN BY: **STAFF**

CHECKED BY: **ARIEF NAFATI, PE**

APPROVED BY: **ARIEF NAFATI, PE**

PLANS PREPARED BY: **IDC Consulting Engineers, Inc.**

203 WEST CERRITOS AVENUE
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

PSOMAS

PROFESSIONAL ENGINEER

REGISTERED

NO. 64286

EXPIRATION DATE: 06/30/2017

STATE OF CALIFORNIA

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

10/24/2016

DATE: **ARIEF NAFATI, P.E. 64286**

CULVER CITY PUBLIC WORKS DEPARTMENT

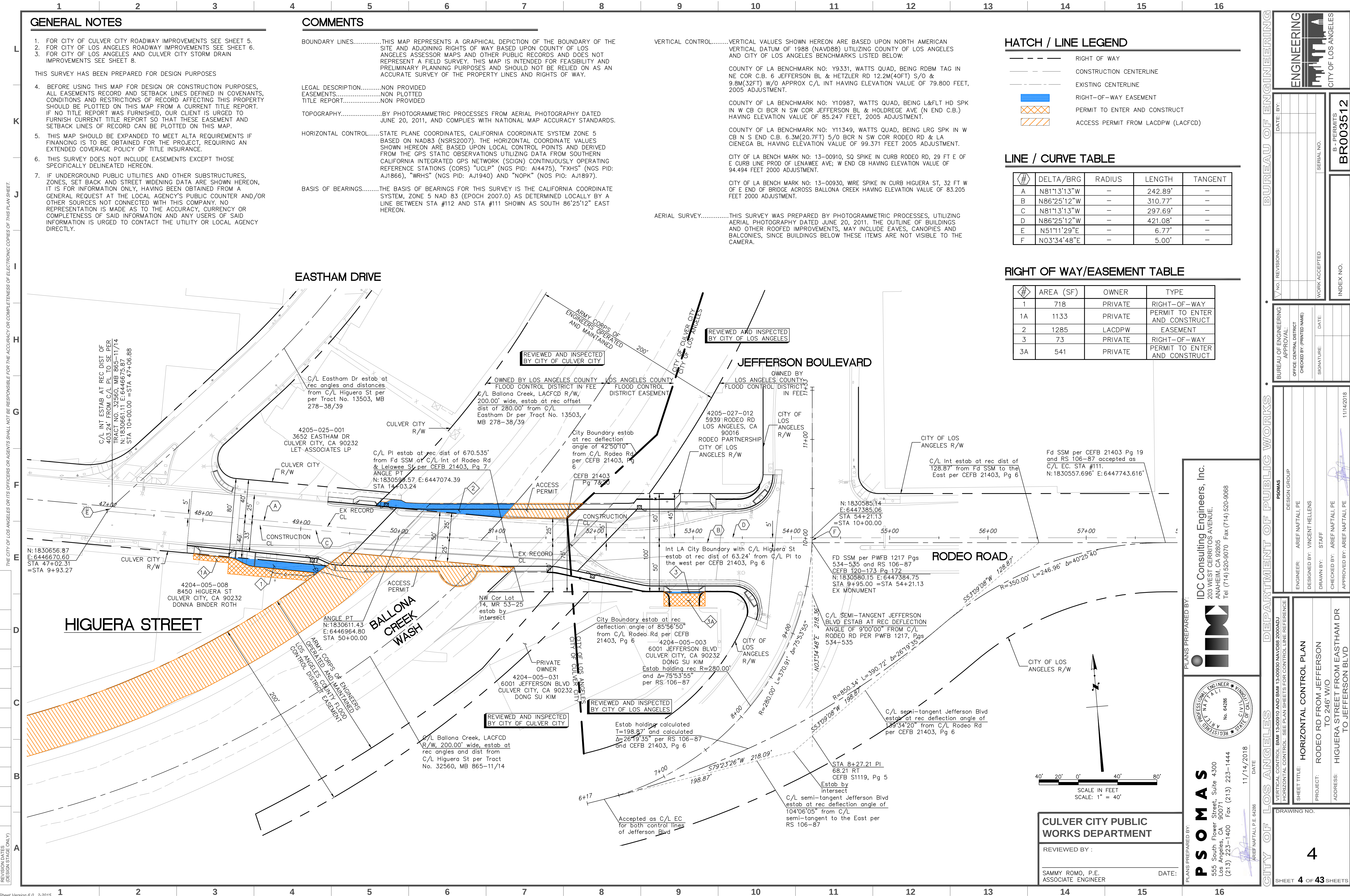
REVIEWED BY:

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

DATE:

3

SHEET **3** OF **43** SHEETS



GENERAL NOTES

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.

COMMENTS

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 (NSRS2007). THE HORIZONTAL COORDINATE VALUES SHOWN HEREON ARE BASED UPON LOCAL CONTROL POINTS AND DERIVED FROM THE GPS STATIC OBSERVATIONS UTILIZING DATA FROM SOUTHERN CALIFORNIA INTEGRATED GPS NETWORK (SCIGN) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS) "UCLP" (NGS PID: A14475), "FXHS" (NGS PID: AJ1866), "WRHS" (NGS PID: AJ1940) AND "NPK" (NGS PID: 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&FLT HD SPK IN W CB CI BCR 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) 5/0 BCR N SW COR RODEO RD & LA CIENEGA BL HAVING ELEVATION VALUE OF 99.371 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 LENAWEA 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.

HATCH / LINE LEGEND

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

LINE / CURVE TABLE

#	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'	-

RIGHT OF WAY/EASEMENT TABLE

#	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

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.

B - PERMITS

BR003512

INDEX NO.

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

11/14/2018

CITY OF LOS ANGELES

PLANS PREPARED BY:

IND

IDC Consulting Engineers, Inc.

203 WEST CERRITOS AVENUE

ANAHEIM, CA 92805

Tel (714) 520-9070 Fax (714) 520-9068

PROFESSIONAL ENGINEER

REGISTERED

NO. 64286

CITY OF CA

PSOMAS

555 South Flower Street, Suite 4300

Los Angeles, CA 90071

(213) 223-1400 Fax (213) 223-1444

11/14/2018

ARIEF NATALI P.E. 64286

CULVER CITY PUBLIC WORKS DEPARTMENT

REVIEWED BY:

SAMMY ROMO, P.E.

ASSOCIATE ENGINEER

DATE:

HORIZONTAL CONTROL PLAN

SHEET TITLE:

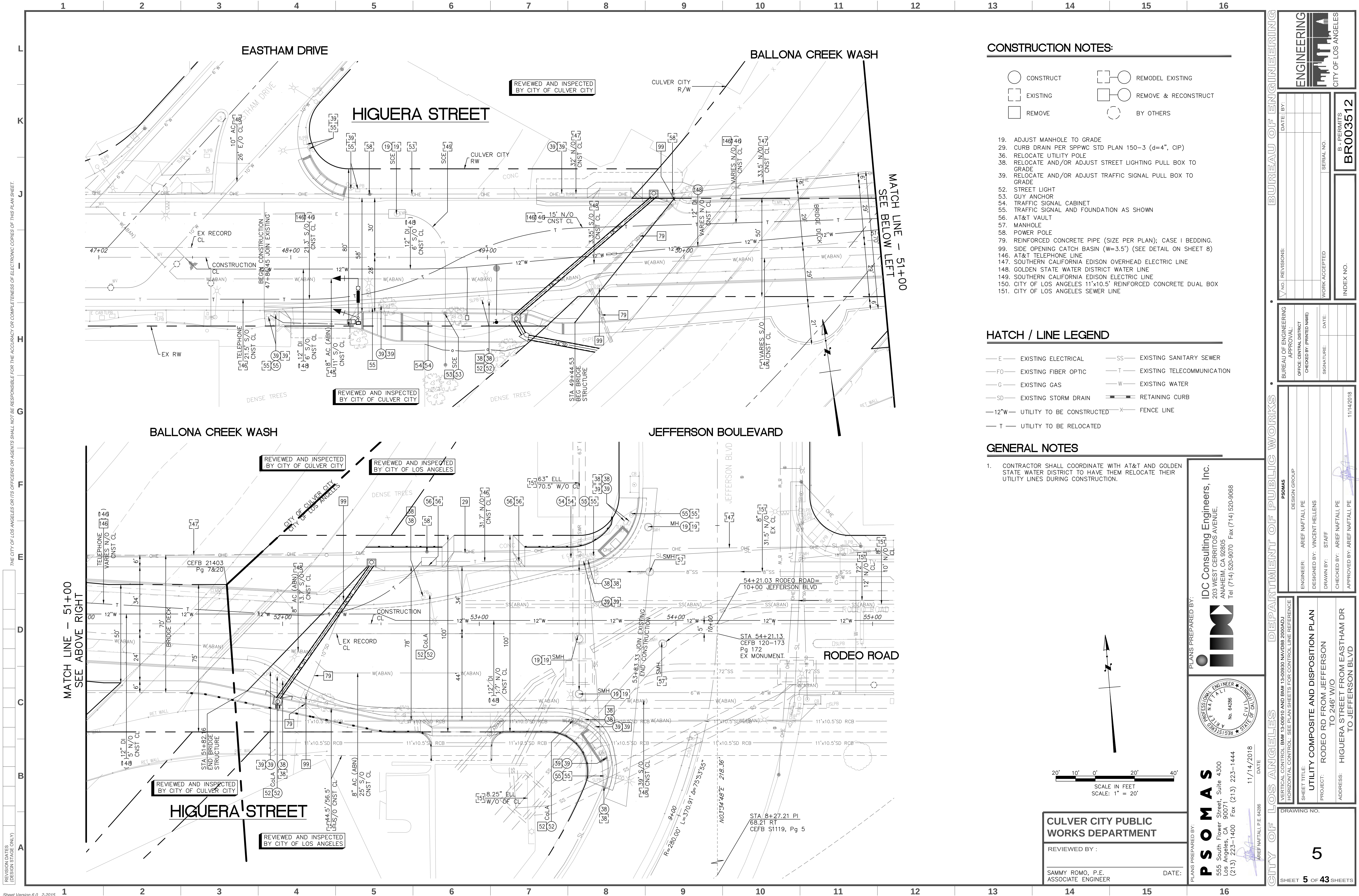
RODEO RD FROM JEFFERSON TO 246' W/O

HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

DRAWING NO.

4

SHEET 4 OF 43 SHEETS



CONSTRUCTION NOTES:

- CONSTRUCT
- EXISTING
- REMOVE
- REMODEL EXISTING
- REMOVE & RECONSTRUCT
- BY OTHERS

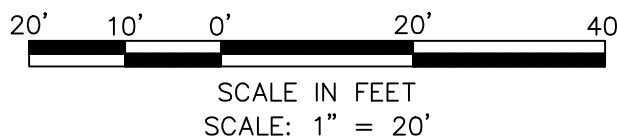
- ADJUST MANHOLE TO GRADE
- CURB DRAIN PER SPPWC STD PLAN 150-3 (d=4", CIP)
- RELOCATE UTILITY POLE
- RELOCATE AND/OR ADJUST STREET LIGHTING PULL BOX TO GRADE
- RELOCATE AND/OR ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE
- STREET LIGHT
- GUY ANCHOR
- TRAFFIC SIGNAL CABINET
- TRAFFIC SIGNAL AND FOUNDATION AS SHOWN
- AT&T VAULT
- MANHOLE
- POWER POLE
- REINFORCED CONCRETE PIPE (SIZE PER PLAN); CASE 1 BEDDING
- SIDE OPENING CATCH BASIN (W=3.5') (SEE DETAIL ON SHEET 8)
- AT&T TELEPHONE LINE
- SOUTHERN CALIFORNIA EDISON OVERHEAD ELECTRIC LINE
- GOLDEN STATE WATER DISTRICT WATER LINE
- SOUTHERN CALIFORNIA EDISON ELECTRIC LINE
- CITY OF LOS ANGELES 11"x10.5" REINFORCED CONCRETE DUAL BOX
- CITY OF LOS ANGELES SEWER LINE

HATCH / LINE LEGEND

- E EXISTING ELECTRICAL
- FO EXISTING FIBER OPTIC
- G EXISTING GAS
- SD EXISTING STORM DRAIN
- 12"W UTILITY TO BE CONSTRUCTED
- T UTILITY TO BE RELOCATED
- SS EXISTING SANITARY SEWER
- T EXISTING TELECOMMUNICATION
- W EXISTING WATER
- RETAINING CURB
- FENCE LINE

GENERAL NOTES

- CONTRACTOR SHALL COORDINATE WITH AT&T AND GOLDEN STATE WATER DISTRICT TO HAVE THEM RELOCATE THEIR UTILITY LINES DURING CONSTRUCTION.

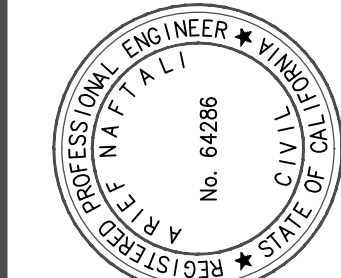
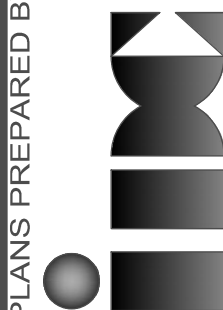


CULVER CITY PUBLIC WORKS DEPARTMENT

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

11/14/2018

AREF NATTALI, P.E. 64286

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

ENGINEER: ARIEF NATTALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NATTALI, PE

APPROVED BY: ARIEF NATTALI, PE

11/14/2018

CITY OF LOS ANGELES

VERTICAL CONTROL: BMM 13-00910 AND BMM 13-00930 NAVPERS 200ADJ
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE:
UTILITY COMPOSITE AND DISPOSITION PLAN

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

ADDRESS:
HIGUERA STREET FROM EASTHAM DR
TO JEFFERSON BLVD

DRAWING NO.

5

SHEET 5 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)

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)

Sheet Version 6.0 2-2015



CONSTRUCTION NOTES:

- CONSTRUCT
 - EXISTING
 - REMOVE
 - REMODEL EXISTING
 - REMOVE & RECONSTRUCT
 - WORK BY OTHERS
2. TYPE C INTEGRAL CURB & GUTTER (a=2', b=6")
 10. CONCRETE DRIVEWAY (CASE 2, W PER PLAN)
 12. CONCRETE WALK (t=4")
 13. CONCRETE RAMP (CASE PER PLAN)
 14. ASPHALT CONCRETE PAVEMENT (t=8")
 16. CRUSHED MISCELLANEOUS BASE (t=8")
 20. TREE (DIA=12")
 21. COLDPLANE (MILL) AC PAVEMENT (t=2" MIN)
 29. CURB DRAIN PER SPPWC STD PLAN 150-3 (d=4", CIP)
 34. VARIABLE DEPTH AC PAVEMENT (t=2" MIN)
 - 39A NEW #5 PULL BOX PER CALTRANS STD PLAN ES-8
 47. RELOCATE STREET SIGN
 48. RETAINING CURB (PER DETAIL ON SHEET 10)
 49. LANDSCAPING
 50. CONCRETE CLASS I BIKE PATH (2" AC/ 2" CMB)
 51. CHAIN LINK FENCE
 70. 2" RIGID GALVANIZED STEEL CONDUIT
 71. TRAFFIC SIGNAL POLE AND FOUNDATION AS SHOWN
 77. UNCLASSIFIED EXCAVATION

HATCH / LINE LEGEND

- ▨ COLD MILL, FINISH SURFACE AC PAVEMENT
- E— EXISTING ELECTRICAL
- FO— EXISTING FIBER OPTIC
- G— EXISTING GAS
- SD— EXISTING STORM DRAIN
- ▨ PROPOSED STORM DRAIN
- ▨ FULL DEPTH PAVEMENT
- SS— EXISTING SANITARY SEWER
- T— EXISTING TELECOMMUNICATION
- W— EXISTING WATER
- OHE— EXISTING OVERHEAD ELECTRIC
- DAYLIGHT

GENERAL NOTES

1. 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:
PSOMAS
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

REGISTERED PROFESSIONAL ENGINEER
No. 64286
CITY OF CALIFORNIA

DATE: 11/14/2018
ARIEF NATALI, P.E.

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

DATE: BY:

NO. REVISIONS:

WORK ACCEPTED

INDEX NO. **BR003512**

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

SIGNATURE: DATE:

DESIGN GROUP: **PSOMAS**

ENGINEER: ARIEF NATALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NATALI, PE

APPROVED BY: ARIEF NATALI, PE

11/14/2018

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

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

SHEET TITLE: **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**

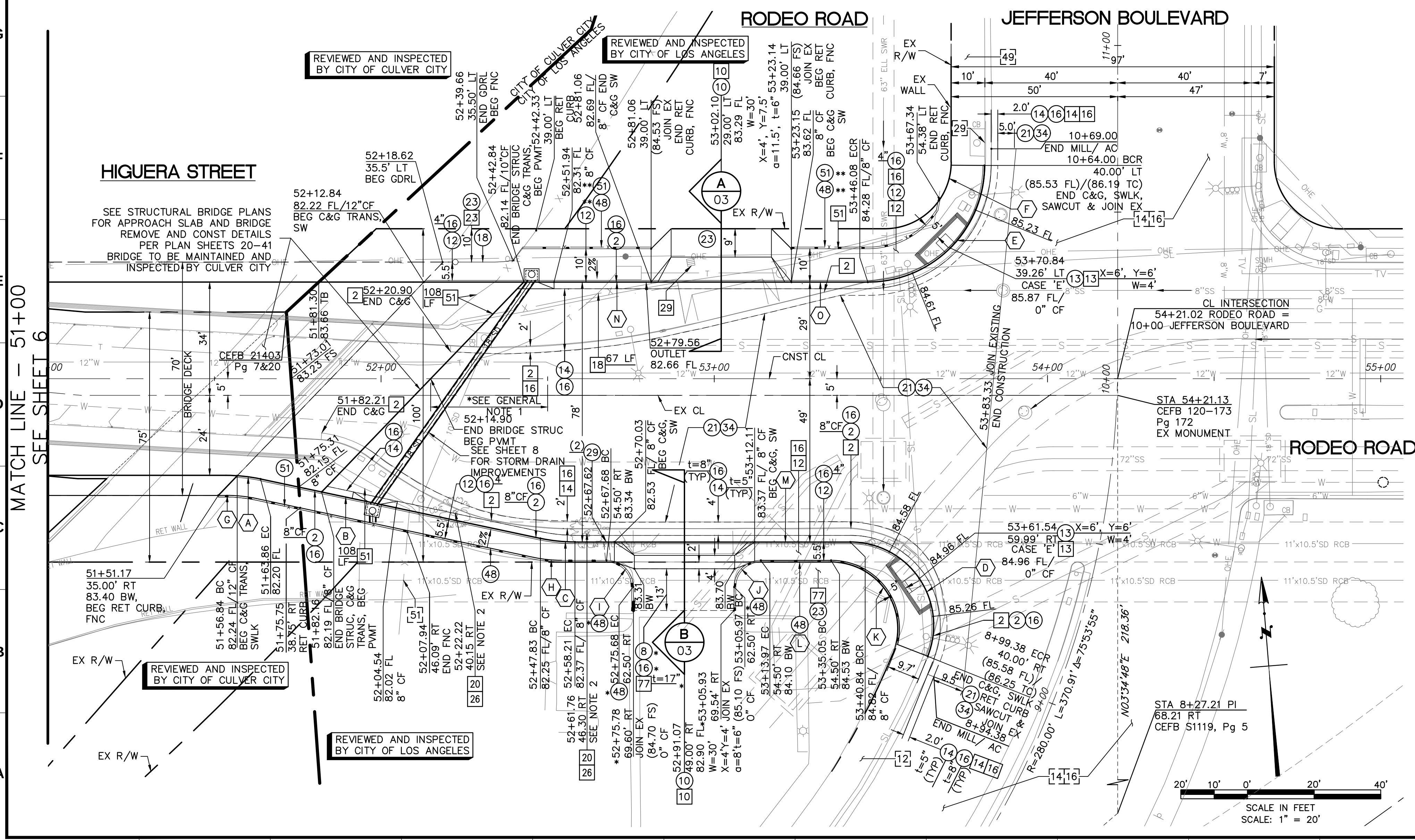
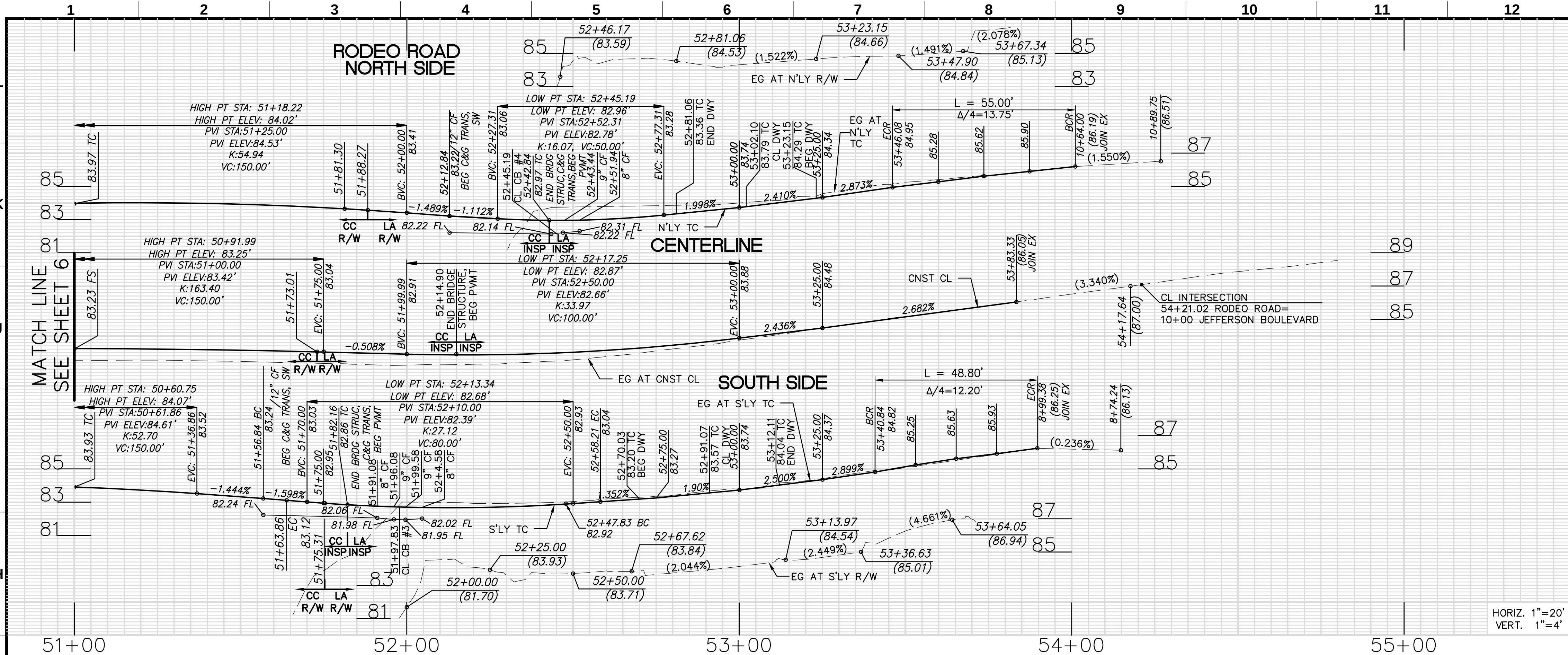
DRAWING NO. **6**

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.

REVISION DATES
(DESIGN STAGE ONLY)

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 PER PLAN, 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=8")
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.
5. PLANTER POTS WILL BE HAND-WATERED. NO IRRIGATION WILL BE INSTALLED.

LINE / CURVE TABLE

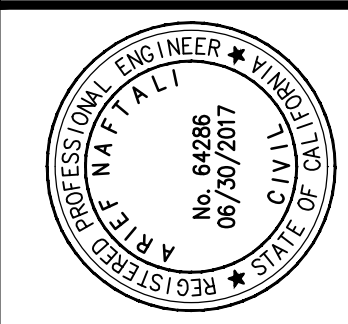
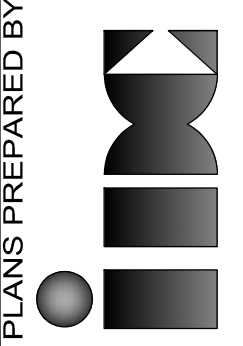
#	DELTA/BRG	RADIUS	LENGTH	TANGENT	DESCRIPTION
A	87°11"	50.00'	7.09'	3.55'	C&G
B	N 74°26'17" W	-	85.84'	-	C&G
C	11°58'55"	50.00'	10.46'	5.25'	C&G
D	11°49'20"	25.00'	48.79'	36.94'	CURB RMP
E	90°00'00"	35.00'	54.98'	35.00'	CURB RMP
F	90°00'00"	20.00'	31.42'	20.00'	BW
G	11°58'55"	44.00'	9.20'	4.62'	RET CURB
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:
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
10/24/2016
DATE: 10/24/2016
ARIEFF NATALI, P.E. 64286

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

DATE: BY: _____

NO. REVISIONS: _____

WORK ACCEPTED: _____

INDEX NO: **P-38252**

B - PERMITS
BR003512

DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP: PSOMAS

ENGINEER: ARIEFF NATALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEFF NATALI, PE

APPROVED BY: ARIEFF NATALI, PE

07/15/16

CITY OF LOS ANGELES

SHEET TITLE: CIVIL IMPROVEMENTS

PROJECT: STA 51+00 - STA 54+00

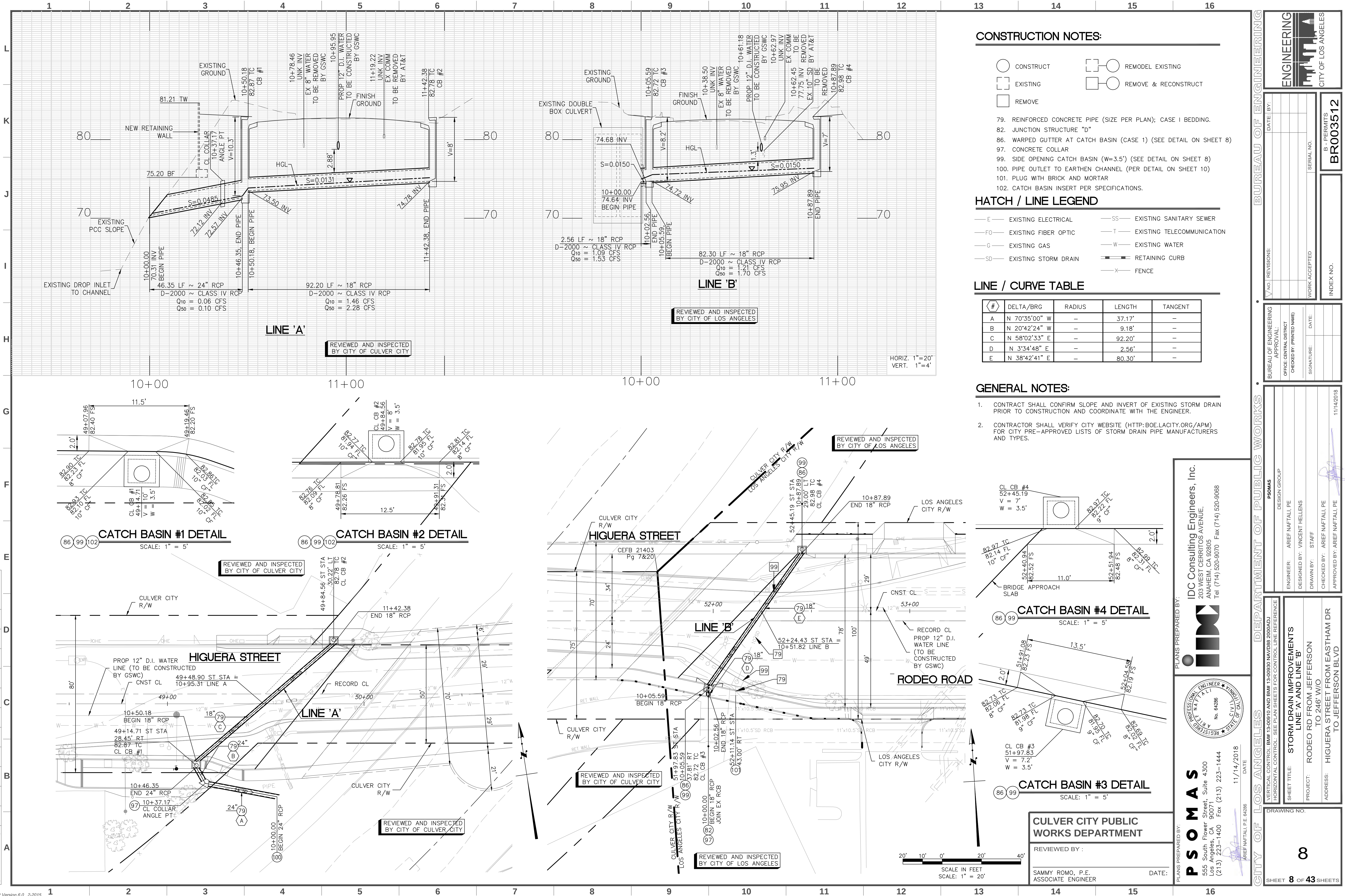
ADDRESS: RODEO RD FROM JEFFERSON TO 246' W/O HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

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

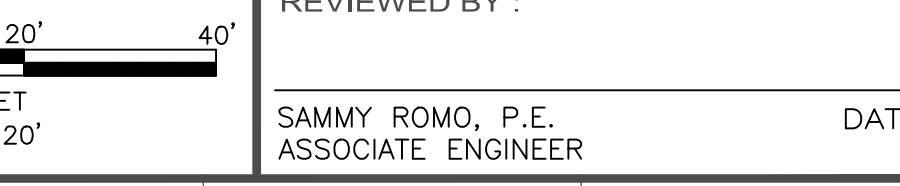
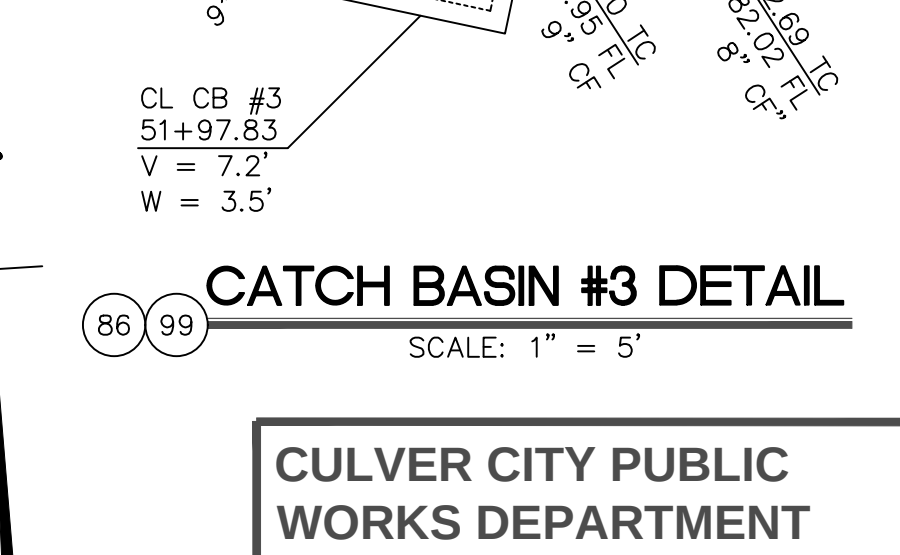
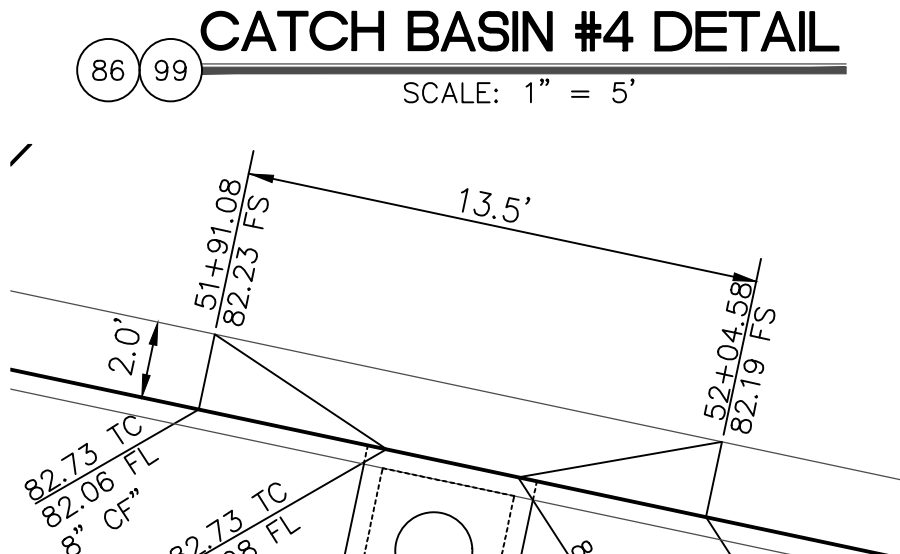
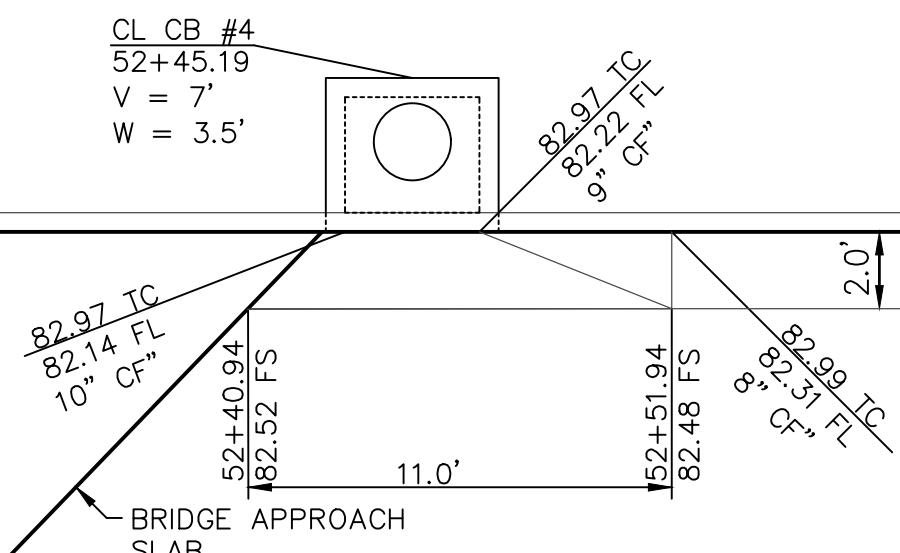
- E — EXISTING ELECTRICAL
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- SD — EXISTING STORM DRAIN
- SS — EXISTING SANITARY SEWER
- T — EXISTING TELECOMMUNICATION
- W — EXISTING WATER
- X — FENCE
- RETAINING CURB

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.

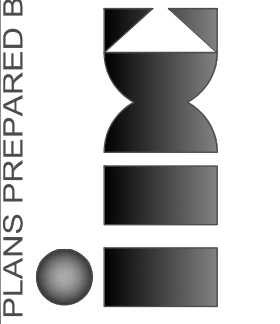


CULVER CITY PUBLIC WORKS DEPARTMENT

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

DATE: 11/14/2018

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

BUREAU OF ENGINEERING

DATE: BY:

NO. REVISIONS:

WORK ACCEPTED

SERIAL NO.

INDEX NO.

ENGINEERING

CITY OF LOS ANGELES

BR003512

BUREAU OF ENGINEERING

APPROVAL:

OFFICE: CENTRAL DISTRICT

CHECKED BY: (PRINTED NAME)

SIGNATURE:

DATE:

DESIGN GROUP

ENGINEER: ARIEF NATTALI, PE

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NATTALI, PE

APPROVED BY: ARIEF NATTALI, PE

11/14/2018

PLANS PREPARED BY:

PSOMAS

555 South Flower Street, Suite 4300

Los Angeles, CA 90071

(213) 223-1400 Fax (213) 223-1444

CITY OF LOS ANGELES

HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE: STORM DRAIN IMPROVEMENTS

PROJECT: RODEO RD FROM JEFFERSON

ADDRESS: HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

DRAWING NO. 8

SHEET 8 OF 43 SHEETS

CONSTRUCTION NOTES (B-PERMITS):

1.

THE B-PERMITTEE SHALL BE RESPONSIBLE FOR LABOR AND MATERIAL INVOLVED IN THE REMOVAL, MARKOUT, AND INSTALLATION OF ALL STRIPING, PAVEMENT MARKINGS, CURB MARKINGS, AND SIGNS SHOWN HEREON. REMOVAL OF MARKINGS SHALL BE PERFORMED BEFORE MARKOUT AND INSTALLATION OF NEW STRIPING, AND SHALL BE BY WET SANDBLASTING/GRINDING IN ACCORDANCE WITH LADOT SPECIFICATION NO. 76-016-10. MARKOUT SHALL BE BY HEAVY PAINT BRUSH MARKINGS OR SPRAY PAINT OVER A PULLED ROPE IN THE RESPECTIVE WHITE OR YELLOW COLORS OF THE PROPOSED STRIPING. STRIPING AND PAVEMENT MARKINGS SHALL BE IN HOT APPLIED ALKYD THERMOPLASTIC IN ACCORDANCE WITH LADOT SPECIFICATIONS NOS. 51-005-10 AND 76-012-15.
2.

THE INSTALLATION OF THERMOPLASTIC STRIPING MAY PROCEED ONLY AFTER INSPECTION AND APPROVAL OF MARKOUT BY LADOT. THE CONTRACTOR SHALL CORRECT ALL ERRORS IN MARKOUT REQUESTED BY LADOT. UPON APPROVAL OF MARKOUT, THE CONTRACTOR SHALL FULLY INSTALL THE THERMOPLASTIC STRIPING, PAVEMENT MARKINGS, (CURB MARKINGS, AND SIGNS - AS APPLICABLE) WITHIN THE FOLLOWING THREE (3) WORKING DAYS. THE CONTRACTOR SHALL CONTACT CITY WIDE INVESTIGATION OFFICE AT (213) 928-9612 AT THE FOLLOWING POINTS IN TIME AND FOR THE FOLLOWING PURPOSES:

A.

TEN (10) WORKING DAYS IN ADVANCE OF MARKOUT.

B.

UPON COMPLETION OF MARKOUT (INCLUDING ANY MARKOUT CORRECTIONS) FOR INSPECTION AND APPROVAL.

C.

UPON COMPLETION OF THERMOPLASTIC STRIPING (INCLUDING ANY THERMOPLASTIC STRIPING CORRECTIONS) FOR INSPECTION AND FINAL STRIPING APPROVAL.
3.

DURING ALL PHASES OF CONSTRUCTION, TEMPORARY RAISED OVERLAY PAVEMENT MARKERS SHALL BE MAINTAINED ADJACENT TO ANY TEMPORARY CENTERLINE, MARKOUT CENTERLINE, OR SCAR OF A SANDBLASTED CENTERLINE, AS APPLICABLE, AS PER LADOT STANDARD PLAN NO. S-453.0.
4.

THE FIELD CONDITIONS SHOWN AS EXISTING ON THIS PLAN MAY CHANGE BETWEEN THE PLAN APPROVAL DATE AND THE IMPLEMENTATION DATE. THE CONTRACTOR MAY BE REQUIRED TO INSTALL OR REMOVE STRIPING, PAVEMENT MARKINGS, SIGNS OR OTHER TRAFFIC CONTROL DEVICES BEYOND THOSE INDICATED ON THIS PLAN, IN ORDER TO FACILITATE THESE CHANGES IN FIELD CONDITIONS AND/OR TO BE IN COMPLIANCE WITH LADOT STANDARDS AND SPECIFICATIONS.
5.

IF THIS PLAN HAS NOT BEEN INSTALLED WITHIN TWO (2) YEARS OF THE APPROVAL DATE, IT SHALL BE RESUBMITTED TO LADOT PUBLIC IMPROVEMENTS SECTION FOR RE-APPROVAL PRIOR TO PROCEEDING TO CONSTRUCTION.
6.

INSTALL PEDESTRIAN BARRICADE PER S-454.2.

LEGEND

1.

EXISTING STRIPING & MARKINGS TO REMAIN

2.

EXISTING STRIPING & MARKINGS TO BE REMOVED

3.

PROPOSED STRIPING & MARKINGS

4.

EXISTING SIGNS

PROPOSED SIGNS

5.

SIGNALIZED INTERSECTION

6.

EXISTING RED CURB

7.

PROPOSED RED CURB

8.

PROPOSED TUFF CURB DELINEATORS WITH 40-IN BASE PER SPECIFICATIONS, INSTALL 15' O.C.

NOTES

1.

LENGTH OF DESIGN : 700'±

2.

6" x 4' WHITE STRIPE WITH 8' GAP (TYPICAL)

3.

PAINT REMOVAL REQUIRED.

	OM1-1 (YELLOW)		R1-1
	R2-1		R3-1
	R3-2		R3-4
	R3-5		R3-7
	R3-8		R3-18
	R4-7		R6-1
	R9-3		R9-3A
	R9-3B(L)		R9-3B(R)
	R10-11		R11-2
	R44A(CA)		R81(CA)
	R81A(CA)		R81B(CA)
	SW44(CA)		W3-1
	W4-1		W4-7
	W12-1		
DATE	1/15/15	DATE	
BY	US	PRINCIPAL T.E.	
SUPERVISOR		T.E./SR. T.E.	
DISTRICT		REVISION DESCRIPTION	
SIGNALS			
DATE			
BY			
NO.			
CHECK			
DESIGN			

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. 11/24/2018 DATE

SCALES

CULVER CITY PUBLIC WORKS DEPARTMENT

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

HORIZ. 1"=

VERT. 1"=

REVIEWED 20 ACCEPTED 20
Transportation Engineer Senior Transportation Engineer

INSTALLATION DATES

MARKOUT BEGAN:

MARKOUT COMPLETED:

STRIPING COMPLETED:

References:
A-6241,
FIELD CHECK 02-03-15

Thomas Guide District
672, JI Hollywood-Wilshire

PROJECT NO.
BR003512

CITY OF LOS ANGELES
DEPARTMENT OF TRANSPORTATION
SELETA J. REYNOLDS, GENERAL MANAGER

HIGUERA STREET
EASTHAM DR TO JEFFERSON BLVD

DRAWING NO.
A-6576

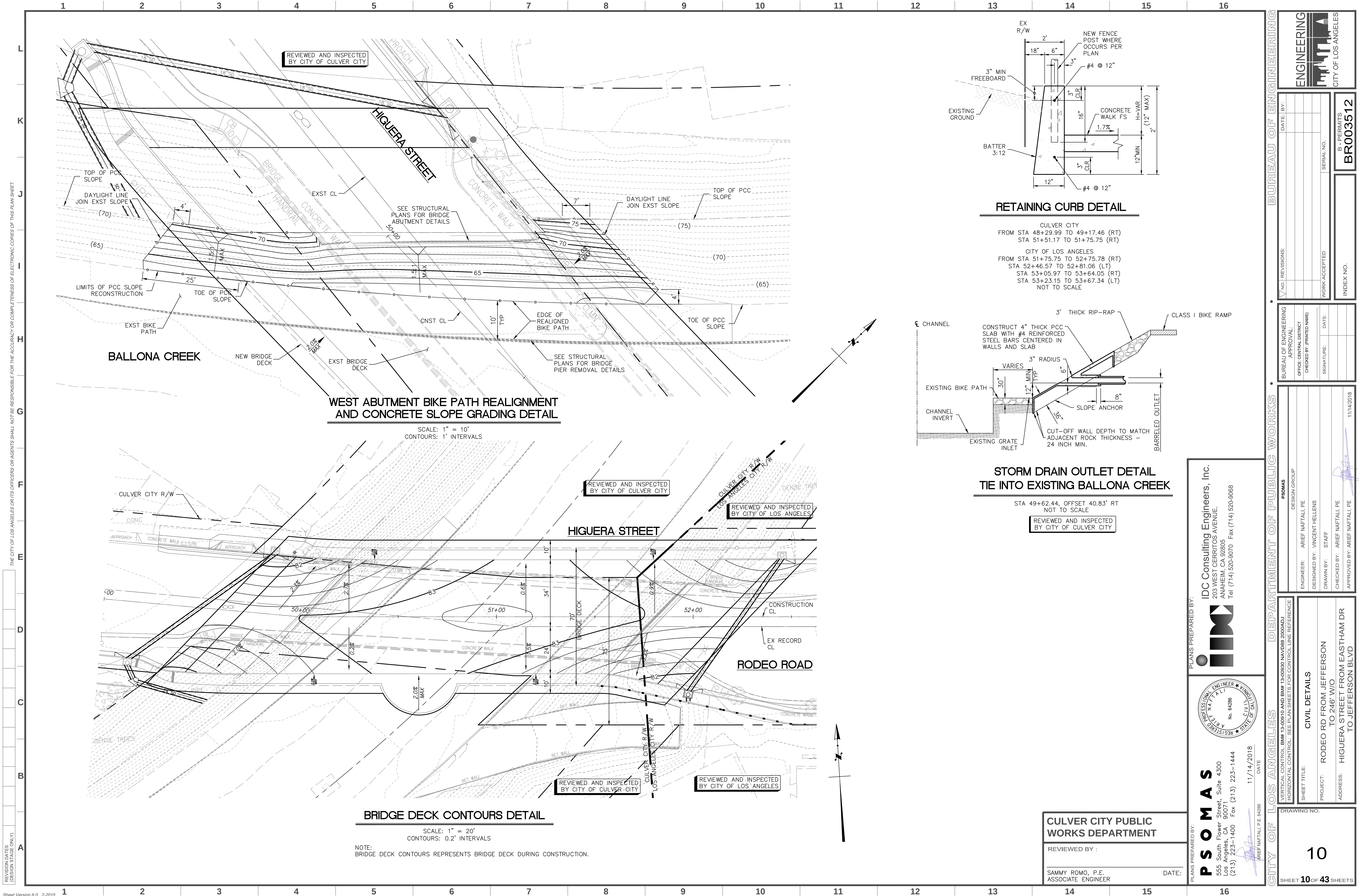
1 1

BRIDGE WIDENING PROJECT RESTORATION PLAN
EASTHAM DR TO JEFFERSON BLVD TO 240' W/O
BR003512

SHEET 9

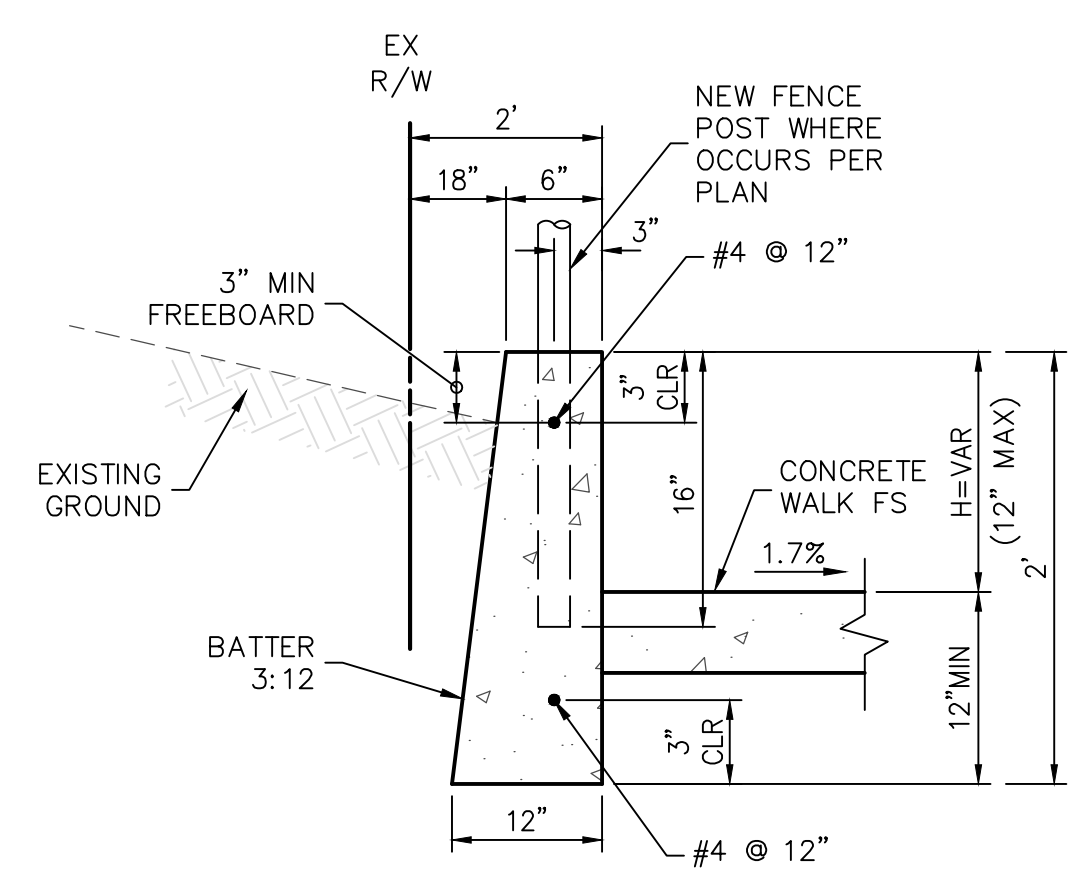
OF 43

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.

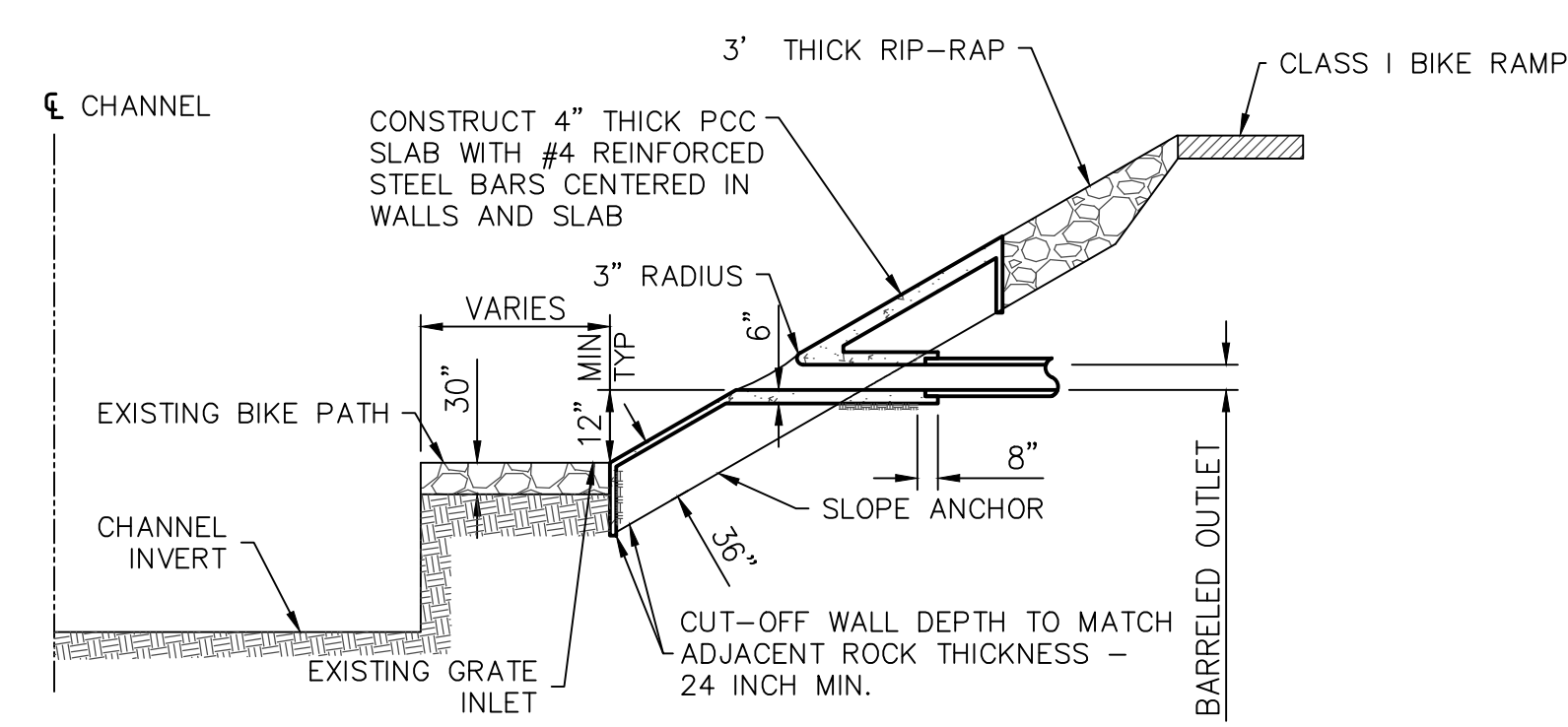
REVISION DATES
(DESIGN STAGE ONLY)



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

WEST ABUTMENT BIKE PATH REALIGNMENT
AND CONCRETE SLOPE GRADING DETAIL

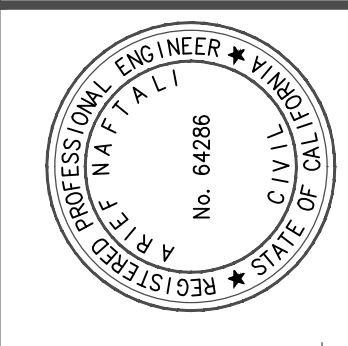
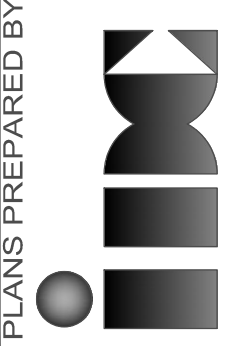
SCALE: 1" = 10'
CONTOURS: 1' INTERVALS

BRIDGE DECK CONTOURS DETAIL

SCALE: 1" = 20'
CONTOURS: 0.2' INTERVALS

NOTE:
BRIDGE DECK CONTOURS REPRESENTS BRIDGE DECK DURING CONSTRUCTION.

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



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

11/14/2018
DATE
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

11/14/2018

CITY OF LOS ANGELES

REGISTERED PROFESSIONAL ENGINEER
No. 64286
STATE OF CALIFORNIA

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

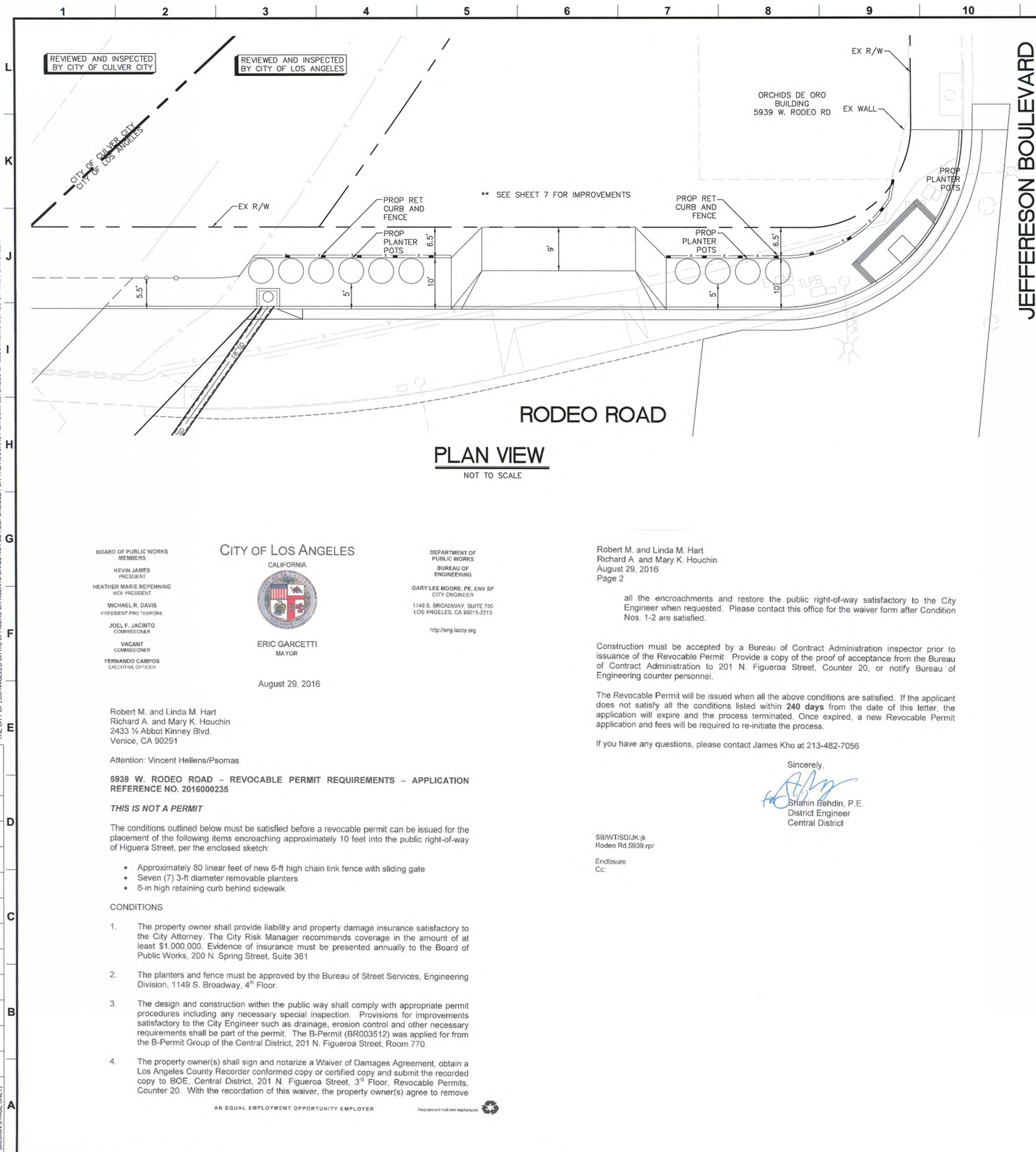
ADDRESS: HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

SHEET TITLE: CIVIL DETAILS

DRAWING NO. 10

SHEET 10 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.



PLAN VIEW
NOT TO SCALE

BOARD OF PUBLIC WORKS
MEMBERS
KEVIN JAMES
PRESIDENT
HEATHER MARIE REPENNING
VICE PRESIDENT
MICHAEL R. DAVIS
PRESIDENT PRO TEMPORE
JOEL F. JACINTO
COMMISSIONER
VACANT
COMMISSIONER
FERNANDO CAMPOS
EXECUTIVE OFFICER



August 29, 2016

Robert M. and Linda M. Hart
Richard A. and Mary K. Houchin
2433 1/2 Abbot Kinney Blvd.
Venice, CA 90291

Attention: Vincent Hellens/Psomas

5939 W. RODEO ROAD - REVOCABLE PERMIT REQUIREMENTS - APPLICATION
REFERENCE NO. 2016000235

THIS IS NOT A PERMIT

The conditions outlined below must be satisfied before a revocable permit can be issued for the placement of the following items encroaching approximately 10 feet into the public right-of-way of Figueroa Street, per the enclosed sketch:

- Approximately 80 linear feet of new 6-ft high chain link fence with sliding gate
- Seven (7) 3-ft diameter removable planters
- 6-in high retaining curb behind sidewalk

CONDITIONS

- The property owner shall provide liability and property damage insurance satisfactory to the City Attorney. The City Risk Manager recommends coverage in the amount of at least \$1,000,000. Evidence of insurance must be presented annually to the Board of Public Works, 200 N. Spring Street, Suite 361
- The planters and fence must be approved by the Bureau of Street Services, Engineering Division, 1149 S. Broadway, 4th Floor.
- The design and construction within the public way shall comply with appropriate permit procedures including any necessary special inspection. Provisions for improvements satisfactory to the City Engineer such as drainage, erosion control and other necessary requirements shall be part of the permit. The B-Permit (BR003512) was applied for from the B-Permit Group of the Central District, 201 N. Figueroa Street, Room 770.
- The property owner(s) shall sign and notarize a Waiver of Damages Agreement, obtain a Los Angeles County Recorder conformed copy or certified copy and submit the recorded copy to BOE, Central District, 201 N. Figueroa Street, 3rd Floor, Revocable Permits, Counter 20. With the recordation of this waiver, the property owner(s) agree to remove

AN EQUAL EMPLOYMENT OPPORTUNITY EMPLOYER

Recycling and trade item recycled assets

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GARY LEE MOORE, PE, ENV SP
CITY ENGINEER
1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213
http://eng.lacity.org

Robert M. and Linda M. Hart
Richard A. and Mary K. Houchin
August 29, 2016
Page 2

all the encroachments and restore the public right-of-way satisfactory to the City Engineer when requested. Please contact this office for the waiver form after Condition Nos. 1-2 are satisfied.

Construction must be accepted by a Bureau of Contract Administration inspector prior to issuance of the Revocable Permit. Provide a copy of the proof of acceptance from the Bureau of Contract Administration to 201 N. Figueroa Street, Counter 20, or notify Bureau of Engineering counter personnel.

The Revocable Permit will be issued when all the above conditions are satisfied. If the applicant does not satisfy all the conditions listed within **240 days** from the date of this letter, the application will expire and the process terminated. Once expired, a new Revocable Permit application and fees will be required to re-initiate the process.

If you have any questions, please contact James Kho at 213-482-7056

Sincerely,

Shahin Behdin, P.E.
District Engineer
Central District

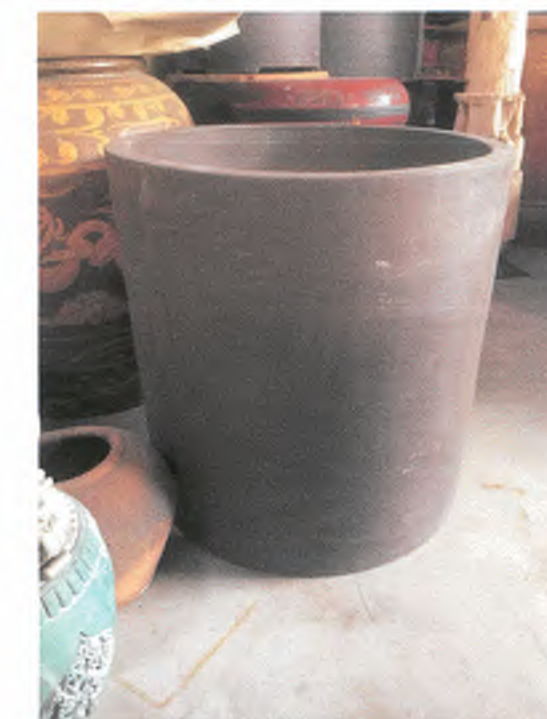
SB/WT/SD/UK/jk
Rodeo Rd. 5939.rpr

Enclosure
Cc:

GENERAL NOTES

- PLANTER POTS WILL BE HAND-WATERED. NO IRRIGATION WILL BE INSTALLED WITHIN CITY OF LOS ANGELES RIGHT-OF-WAY.
- TENANT/OWNER WILL ONLY INSTALL POTS WITH NO DRAIN HOLES AS SHOWN ON THIS SHEET. TENANT/OWNER'S POTS SHALL PREVENT WATER FROM DRAINING ACROSS THE SIDEWALK AND POTENTIALLY CREATING A SLIP AND FALL ISSUE.
- A 5'-0" WIDE MINIMUM PATH OF TRAVEL SHALL BE MAINTAINED AT ALL TIMES TO PROVIDE ADA ACCESS.
- PLANT LIST

SIZE	BOTANICAL NAME	COMMON NAME	TYPE
15 GALLON (2X3)	RHODENDRON	FIELDER'S WHITE AZALIA	SHRUB



PLANTER POT

REVOCABLE PERMIT
INTER-DEPARTMENTAL ROUTING TRANSMITTAL
City of Los Angeles - Bureau of Engineering

Submittal of:	Review and approval of proposed fence and planters	
R-Permit Ref No:	2016000235	Thomas Guide:
Project Location:	5939 W. Rodeo Rd.	
Applicant:	Vincent Hellens / Psomas - Robert Hart & Richard Houchin/Rodeo Partnership	
Contact:	Hartbob@ca.rr.com	Phone: 310-493-2409
Address:	2433 1/2 Abbot Kinney Blvd	Fax:
	Venice, CA 90291	

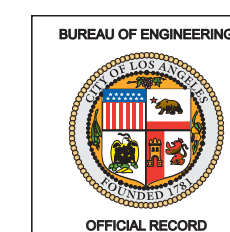
TO:	Name:	Robert Gutierrez	Phone:	213-847-0881
	Bureau/Group:	Bureau of Street Services, Engineering Division	Fax:	213-847-0975
	Location:	1149 S. Broadway, 4th Floor	Mail Stop:	550

PLEASE REVIEW AND RETURN TO:		Date received:	
Name:	Shay Doong	Phone:	213-482-7062
Bureau:	Bureau of Engineering – Central District	Fax:	213-482-7007
Location:	201 N. Figueroa St, 3 rd Floor	Mail Stop:	503
Email:	Shawvue.Doong@lacity.org		

Reviewer's Name and Date Signed	Recommendation (Check One)		
	A	B	C
8.1.17	☒	☐	☐
	☐	☐	☐
	☐	☐	☐

Comments:

Recommendation: A - Approved
B - Approved with Conditions (see Comments)
C - Not Approved (see Comments)



REVOCABLE PERMIT REFERENCE
NO: 20160000235

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
2/9/2017
DATE



DATE BY:	
NO. REVISIONS:	
WORK ACCEPTED	SERIAL NO.
INDEX NO.	P-38252
B - PERMITS	BR003512

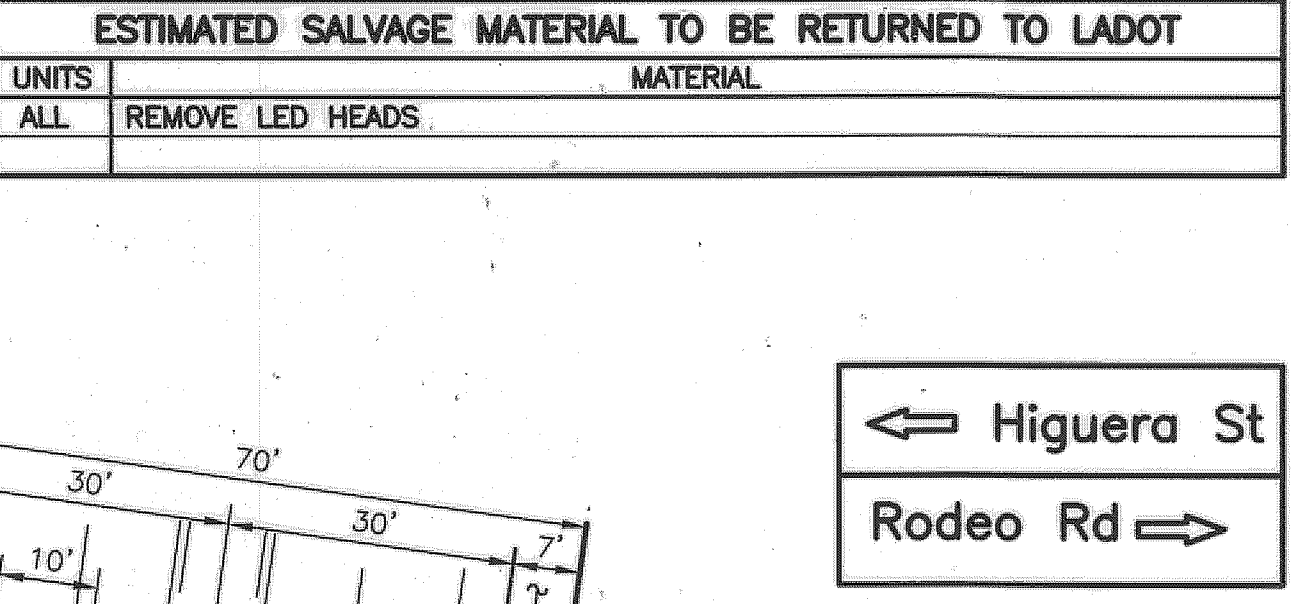
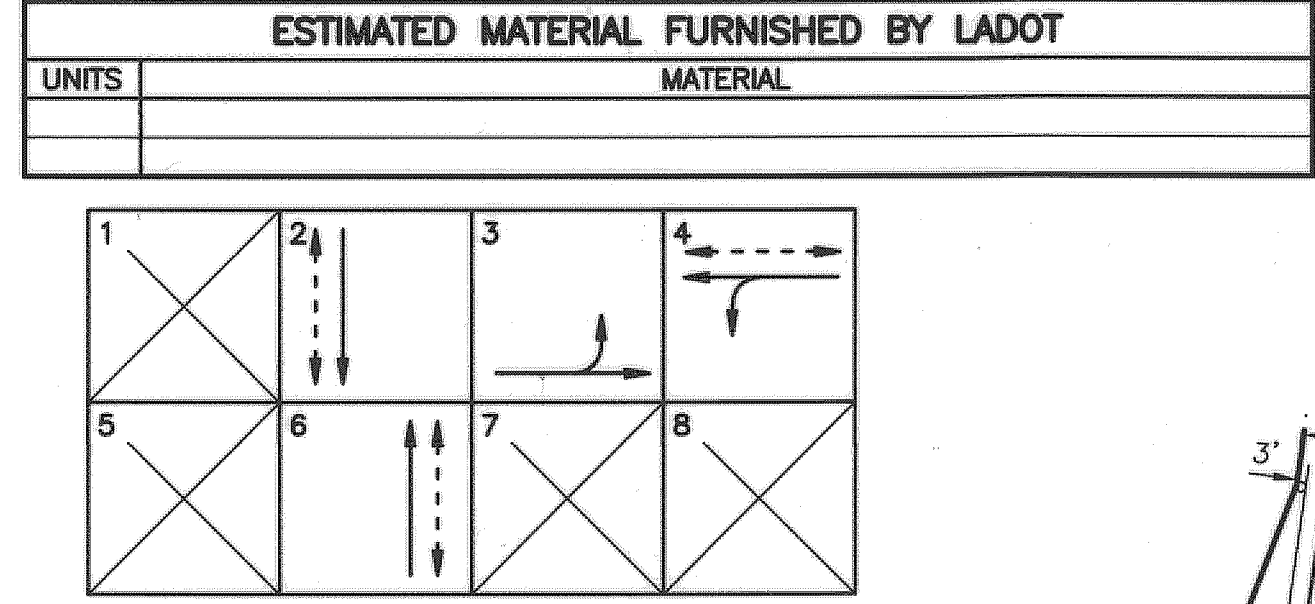
BUREAU OF ENGINEERING APPROVAL:	DATE:
CHECKED BY: (PRINTED NAME)	
SIGNATURE	DATE

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

SHEET TITLE:	REVOCABLE PERMIT
PROJECT:	RODEO RD FROM JEFFERSON TO 246' W/O
ADDRESS:	HIGUERA STREET FROM EASTHAM DR TO JEFFERSON BLVD

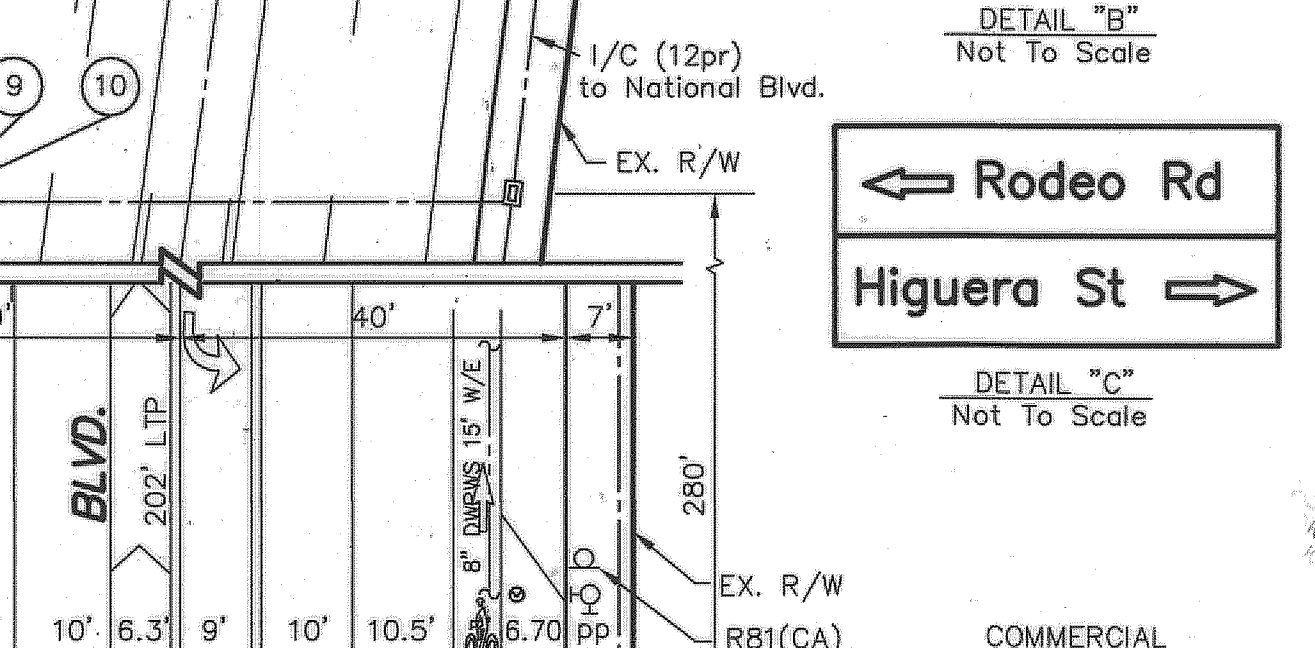
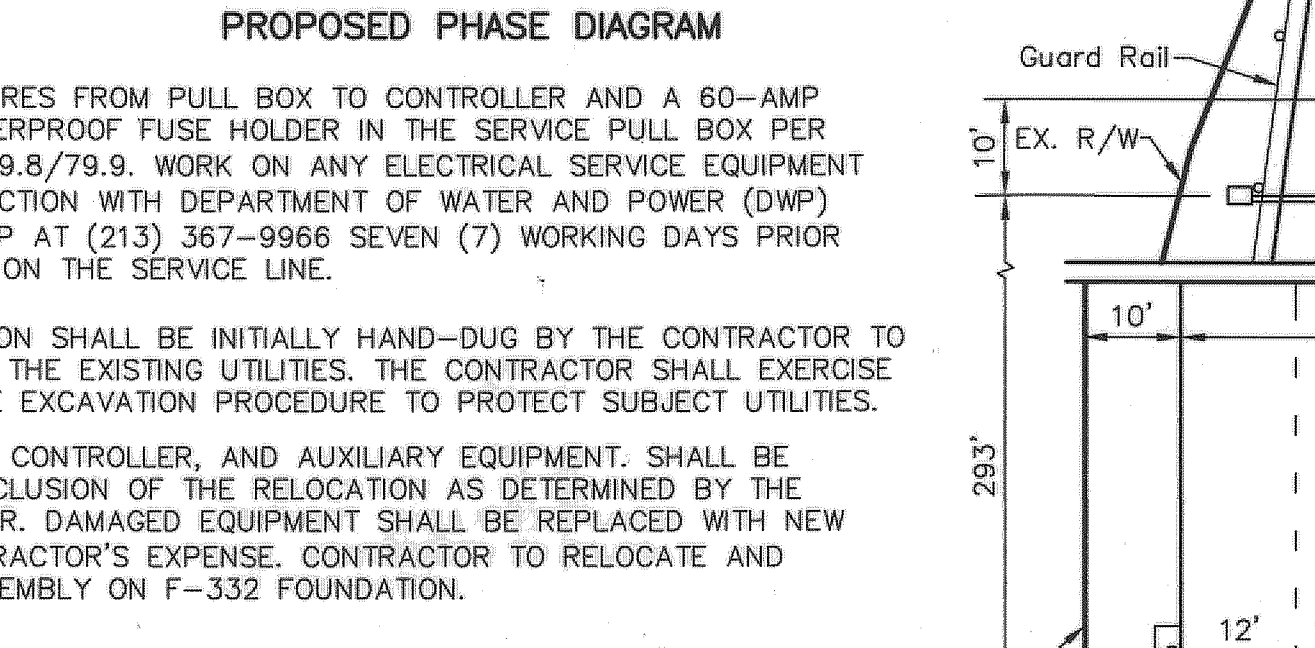
DRAWING NO.	11
SHEET 11 OF 43 SHEETS	

SIGNAL STANDARD SCHEDULE table with columns: No., TYPE, FOUND. TYPE, PED. PUSH BUTN, PHASE, REMARKS. Includes items 1 through 9 with details on cable types, foundations, and phases.

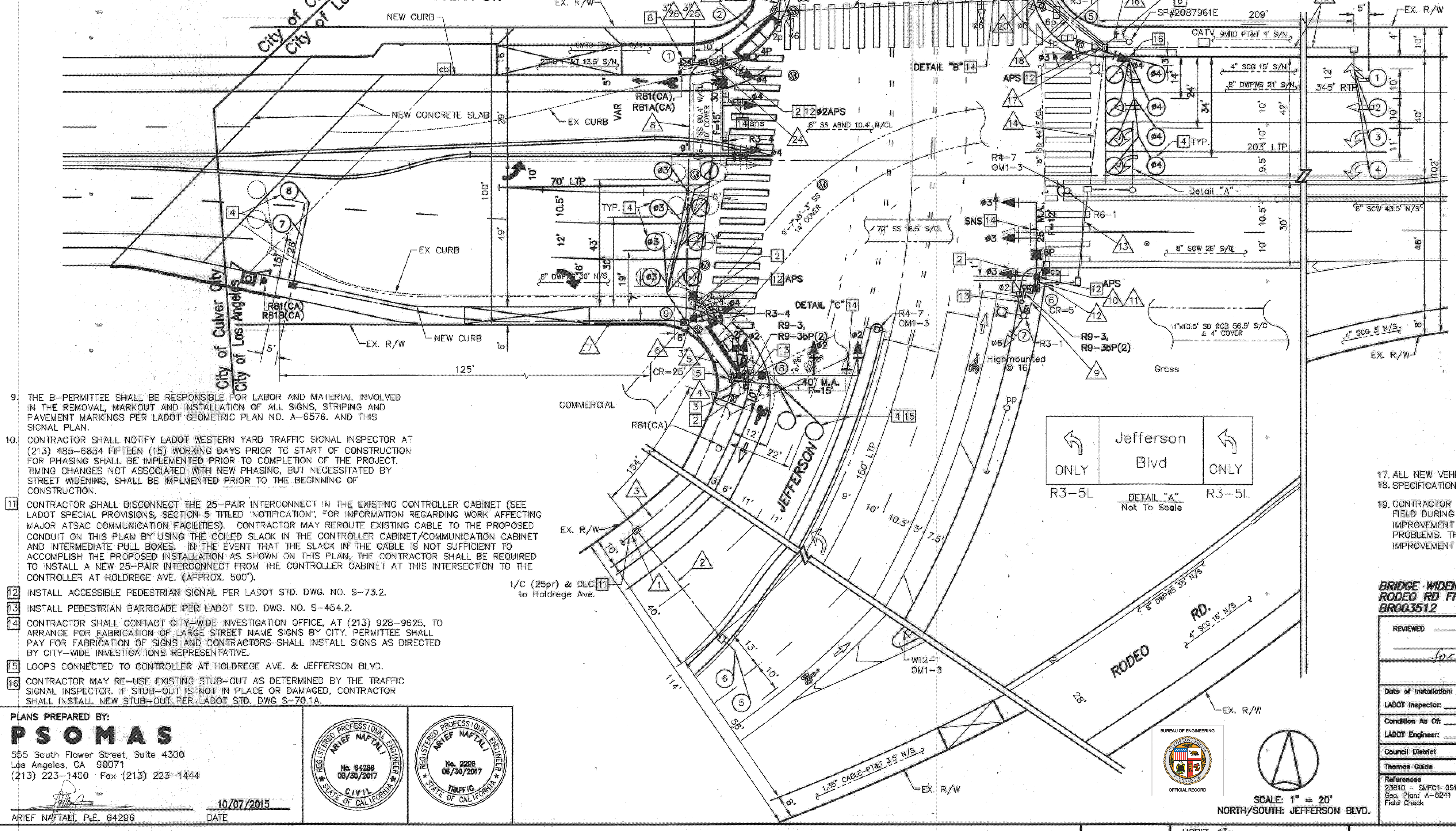


CONDUCTOR SCHEDULE table with columns: SIZE, CABLE / WIRE, RUN. Includes details on conductor types, sizes, and run lengths.

NOTES: 1. SEMI-ACTUATED OPERATION (ATSAC 2070 CONTROLLER) 2. REMOVE TRAFFIC SIGNAL EQUIPMENT, FOUNDATION, PULL BOX, ABANDON CONDUITS. 3. INTERCEPT EXISTING CONDUIT, JOIN AND EXTEND INTO PULL BOX. 4. INSTALL DETECTOR LOOP(S) PER LADOT STD. DWG. NO. S-70.1A & S-70.1D (CASE II) 5. 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



* 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 1. EXCEPT WHERE OTHERWISE INDICATED, MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO THE LATEST EDITION AND SUPPLEMENT OF THE STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION ("GREENBOOK") AND THE CORRESPONDING ADDITIONS AND AMENDMENTS THAT ARE LISTED IN THE "BROWN 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). 2. 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. 3. 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. 4. 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. 5. 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. 6. 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. 7. 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 MAST ARM TYPE STANDARDS SHALL BE RELOCATED FROM THE VERTICAL POLE TO THE MAST ARM PER LADOT STANDARD DRAWING NO. S-467.0 & 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 MAST ARM MOUNTED SIGNS. 8. THE CONTRACTOR SHALL FURNISH AND INSTALL, AS SHOWN ON THE PLANS, ALL TRAFFIC SIGNAL EQUIPMENT SUCH AS STANDARDS, MAST ARMS, 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. RED HEAD MODULE REPLACEMENTS SHOWN ON THE PLANS SHALL REQUIRE A COMPLETE INSTALLATION, INCLUDING NEW PED HEAD AND TERMINAL COMPARTMENT. 17. ALL NEW VEHICLE AND PEDESTRIAN TRAFFIC SIGNALS SHALL BE LED MODULE, PER LADOT 18. SPECIFICATION 92-088-07 (LATEST EDITION). 19. 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 #TGF11034).

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

REGISTERED PROFESSIONAL ENGINEER ARIEF NAFATLI No. 64288 06/30/2017 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER ARIEF NAFATLI No. 2296 06/30/2017 CIVIL STATE OF CALIFORNIA

BRIDGE WIDENING PROJECT RESTORATION PLAN RODEO RD FROM JEFFERSON TO 240' W/O BR003512. Includes a table with columns: REVIEWED, ACCEPTED, DATE, and a section for CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION with fields for TITLE, FILE NAME, INTERSECTION NO., and PROJ. NO.

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 ERECTED 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 HEADS.
- 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 SERIES CIRCUIT.

CIRCUIT DIAGRAM LEGEND

- | | | | |
|-----------|-------------------------------|---|----------------------|
| — — — — — | NEW WIRE | ○ | NEW LAMP |
| — — — — — | 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

- | | |
|-----------|--|
| ⊗ | 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
- Ⓡ 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).
- ⓧ 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)
- Ⓡ 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.

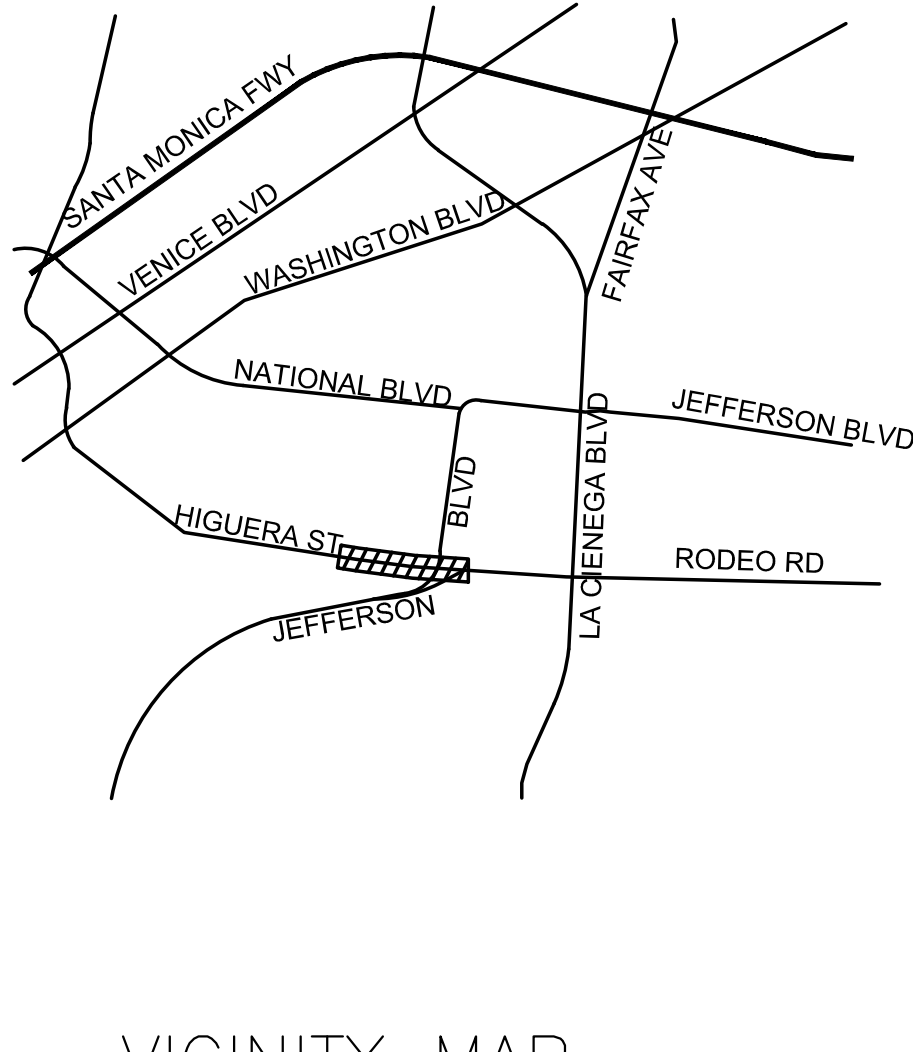
NOTICE TO CITY INSPECTOR/CONTRACTOR NO. 3

- 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 CONTRACTOR 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: 4204-005-001, 4205-027-017, 4205-027-019	

SIGNATURES	DATE
FIELD SURVEY BY: V.H.	07/14
DRAWN BY: H.C.	07/14
DESIGNED BY: W.N.	07/14
CHECKED BY: <i>Johny Williams</i>	05/14/15
SUPERVISED BY: <i>W. Wang</i>	5/14/15



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>Ch...</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

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



SCALE OF ORIGINAL PLAN: 1" = 40'

SHEET 13 OF 43 SHEET(S)

INDEX NUMBER

P-38252

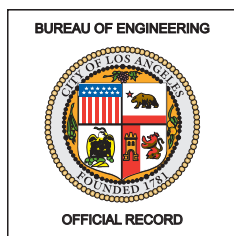
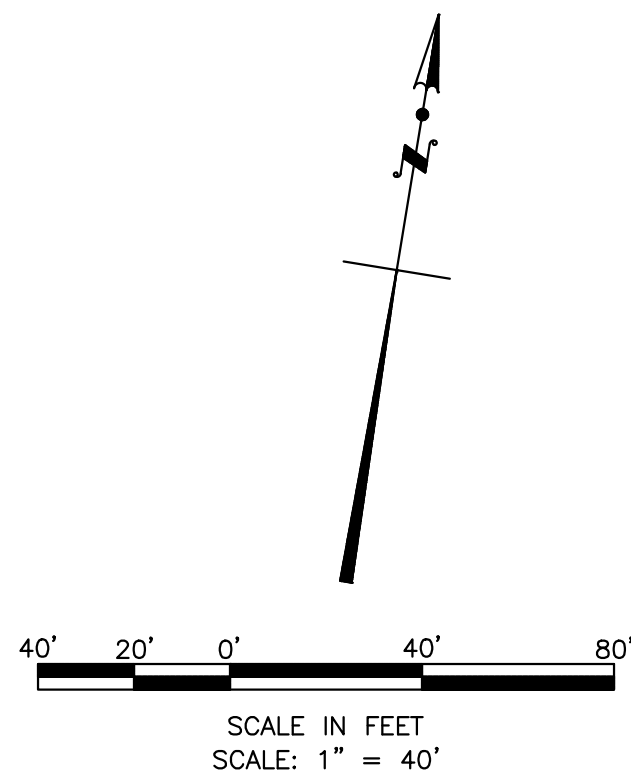
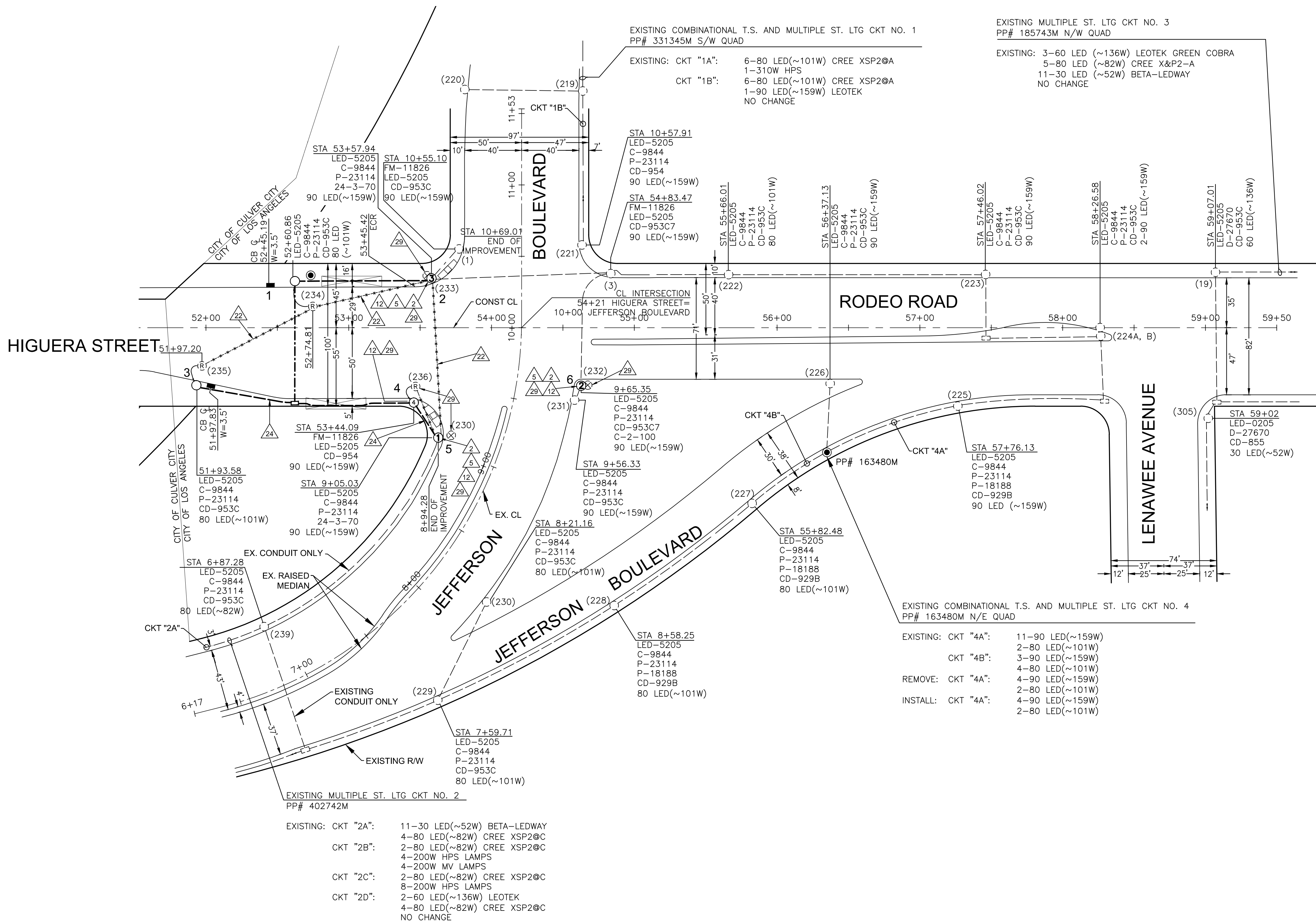
DEPARTMENT OF PUBLIC WORKS

BUREAU OF STREET LIGHTING

CITY OF LOS ANGELES

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:\YDC010100\Public_Works\Sheets\SL-02.dwg May 12, 2015 8:46am



W. R. R. R.
LABSL 5/14/15

CULVER CITY PUBLIC WORKS DEPARTMENT		PLANS PREPARED BY: PSOMAS 555 South Flower Street, Suite 4300 Los Angeles, CA 90071 (213) 223-1400, Fax (213) 223-1444 www.psomas.com		
REVIEWED BY: SAMMY ROMO, P.E. ASSOCIATE ENGINEER	DATE: 5/12/2015	SIGNATURE DATE		

RODEO RD FROM JEFFERSON TO 246' W/O BR003512		CITY OF LOS ANGELES ED EBRAHIMIAN, DIRECTOR BUREAU OF STREET LIGHTING	
ACCEPTED:		DATE:	5/15/15

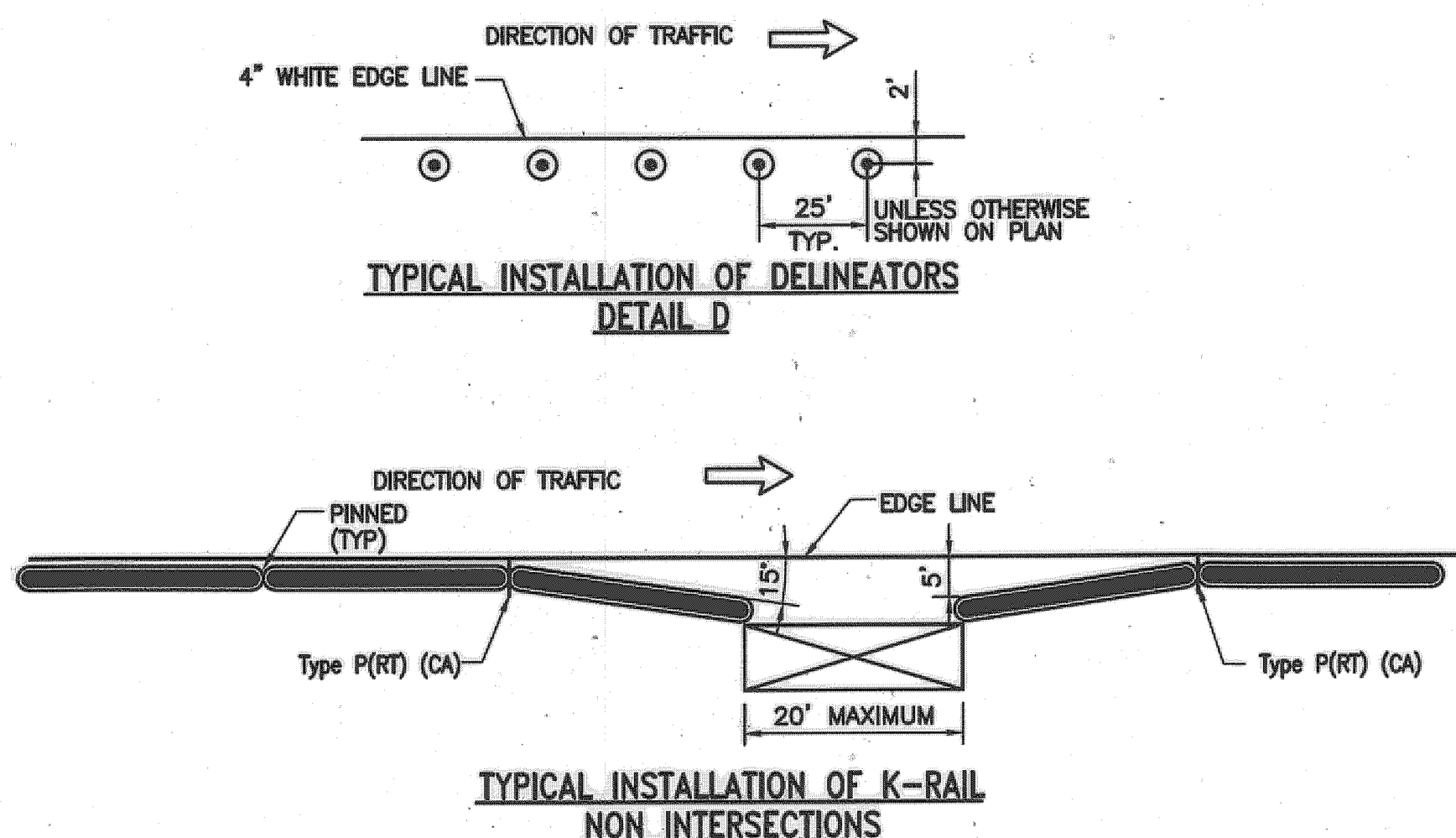
1. THESE WORKSKE TRAFFIC CONTROL STAGES ARE FOR THE REPLACEMENT OF HIGUERA – RODEO BRIDGE.
2. EXPECTED START DATE IS JULY 7, 2015 FOR THE DURATION OF 20 MONTHS. TEMPORARY 1 WEEK CLOSURE FROM MAY 25–29, 2015.
3. CONTACT DON SCHIMA AT (213) 972–5968 FOR LADOT PERSONNEL RESPONSIBLE FOR WTCP IMPLEMENTATION/MAINTENANCE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND MATERIAL INVOLVED IN THE REMOVAL, INSTALLATION, AND MAINTENANCE OF ALL STRIPING, PAVEMENT MARKINGS, SIGNING, BARRICADE, 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.
5. 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.
6. ALL CONSTRUCTION RELATED WARNING SIGNS SHALL BE IN BLACK LEGEND WITH ORANGE BACKGROUND AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD (2012 EDITION).
7. 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.
8. CONTRACTOR SHALL NOTIFY METRO AT (213) 922–4632 OR ANY OTHER AFFECTED TRANSIT SERVICES AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION.
9. 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.
10. 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.
11. 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.
12. 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).
13. CONTRACTOR SHALL NOTIFY LADOT'S SIGNAL MAINTENANCE SUPERVISOR AT (213) 485–7721 FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION WITHIN 10–FEET OF EXISTING TRAFFIC SIGNAL DETECTOR LOOPS, CONDUIT, INTERCONNECT, OR ATSC FIBER OPTIC CABLE.
14. 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.
15. 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.
16. 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.
17. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES AND SHALL COORDINATE WITH RESIDENTS/BUSINESSES ANY CLOSURE/LIMITED ACCESS TO THEIR DRIVEWAYS.
18. NOTIFY FILM LA (JOSH MINGO) AT (213)977–8600 AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION TO COORDINATE WITH FILMING ACTIVITIES.
19. 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.
20. 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).
21. 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 MAIN ARMS AND FAR LEFT OF THE INTERSECTION OR AT LOCATIONS WHERE THEY WILL BE CLEARLY VISIBLE BY THE THRU TRAFFIC.
22. 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."
23. 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.
24. ALL TEMPORARY SIGNAGE INSTALLED ADJACENT TO PEDESTRIAN TRAVEL WAY MUST ALLOW FOR ADA–COMPLIANT PASSAGEWAYS.
25. 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.
26. ANY CHANGES TO WORK AREAS, WORK HOURS, AND/OR APPROVED PLANS SHALL BE SUBMITTED TO LADOT FOR REVIEW AND APPROVAL.
27. 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 FADED EXISTING STRIPING AS DIRECTED BY THE LADOT ENGINEER.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY MISSING OR DAMAGED SIGNS (DUE TO CONSTRUCTION) ACCORDING TO THE LATEST LADOT SPECIFICATIONS.
29. THE CONTRACTOR SHALL INSTALL SIDE REFLECTORS WITH CUBE–CORNER LENSES OR TOP–MOUNTED REFLECTORS (FACING THE DRIVER) ON ALL K–RAIL BARRIERS.
30. NEED BOARD OF PUBLIC WORKS APPROVAL FOR ANY LANE OR SIDEWALK CLOSURES.
31. 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.
32. 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.

1. REMOVE ALL CONFLICTING STRIPING PRIOR TO INSTALLATION OF WTOP/TCP.
2. WHEN REMOVAL IS REQUIRED BY CONSTRUCTION, CROSSWALK MARKINGS AND PEDESTRIAN SIGNAL HEADS SHALL BE REMOVED SIMULTANEOUSLY.
3. BUBBLE NOTES: (SEE PLAN SHEETS)
4. 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.
5. CONTRACTOR SHALL PROVIDE REFLECTORIZED CONES AT TYPE III BARRICADE SUPPORTS TO ALERT PEDESTRIANS TO THE BARRICADE SUPPORT.
6. FIELD CONDITIONS MAY VARY FROM THOSE SHOWN ON THE WTOP. IN THE EVENT FIELD CONDITIONS ARE DIFFERENT, THE CONTRACTOR SHALL COORDINATE WITH LADOT AND THE AUTHORITY BEFORE IMPLEMENTING THE WTOP. THE CONTRACTOR MAY BE REQUIRED TO SUBMIT A REVISED WTOP TO LADOT AND THE AUTHORITY FOR APPROVAL PRIOR TO IMPLEMENTATION.

1. 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.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAINTING OF ALL EXISTING STRIPING THAT HAS BEEN DAMAGED DURING THE CONSTRUCTION PROCESS.
3. 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.
4. THE CONTRACTOR SHALL CONTACT LADOT TEMPORARY TRAFFIC MANAGEMENT SECTION AT DON.SCHIMM@LACITY.ORG (EMAIL) AT LEAST (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.
5. 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.

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

1. LENGTH OF DESIGN : 500 ±



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.

CULVER CITY PUBLIC
WORKS DEPARTMENT

ACCEPTED BY : 1/1/2015 05/13/2015
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER
DATE:

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

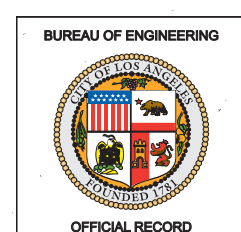
REVIEWED May 13
Felix H. H.
For Transportation Engineer

CITY OF LOS ANGELES
DEPARTMENT OF TRANSPORTATION
J. REYNOLDS, GENERAL MANAGER

HIGUERA STREET
DRIVE TO JEFFERSON BOULEVARD

Thomas Guide	District	PROJECT NO.	DRAWING NO.	1/4
672, JI	Hollywood-Wilshire	BR003512	D-0312	

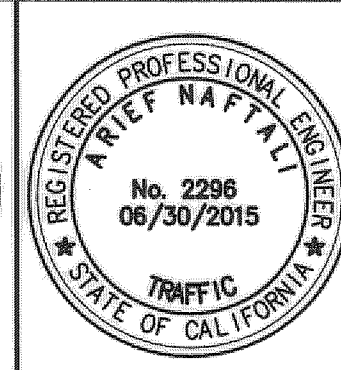
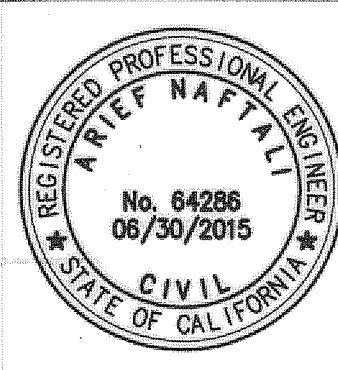
SHEET 15 OF 43	INDEX NUMBER P-38252
----------------	----------------------



		
		
		
DATE	DATE	DATE
1/15/15	1/15/15	
BY	BY	PRINCIPAL T.E.
US	US	
SUPERVISOR	SUPERVISOR	TE./SR. T.E.
DISTRICT	DISTRICT	
SIGNALS	SIGNALS	
DATE	DATE	REVISION DESCRIPTION
BASE	BASE	NO.
CHECK	CHECK	
DESIGN	DESIGN	

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



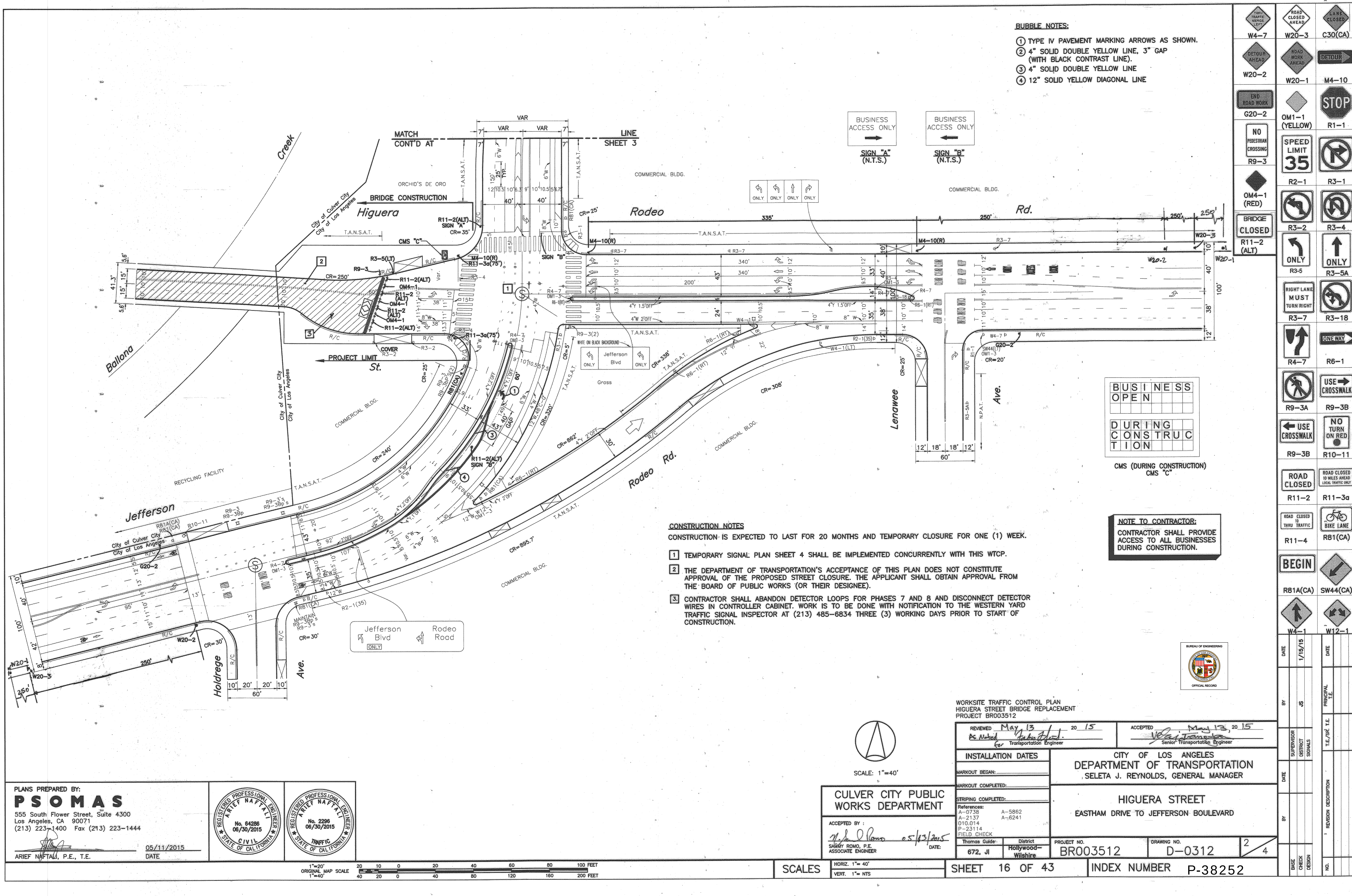
1"=20' 20 10 0 20 40 60 80 100 FEET
ORIGINAL MAP SCALE
1"=40' 40 20 0 40 80 120 160 200 FEET

SCALES

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

SHEET 15 OF 43

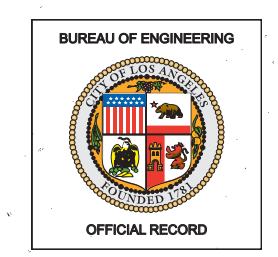
INDEX NUMBER	P-38252
--------------	---------



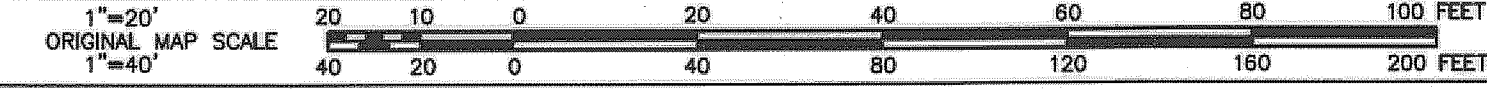
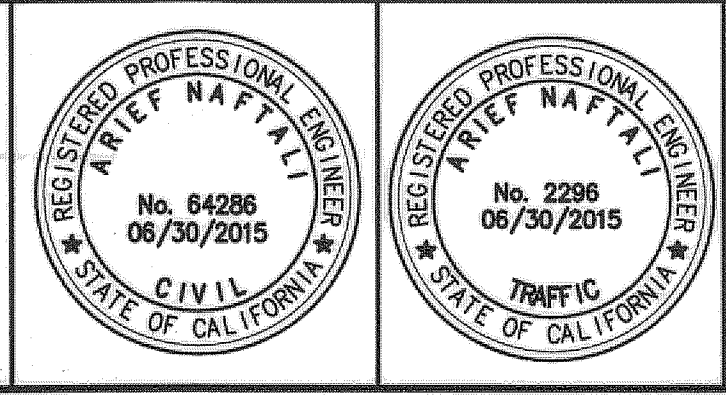
- BUBBLE NOTES:**
- ① TYPE IV PAVEMENT MARKING ARROWS AS SHOWN.
 - ② 4" SOLID DOUBLE YELLOW LINE, 3" GAP (WITH BLACK CONTRAST LINE).
 - ③ 4" SOLID DOUBLE YELLOW LINE
 - ④ 12" SOLID YELLOW DIAGONAL LINE

- CONSTRUCTION NOTES**
- CONSTRUCTION IS EXPECTED TO LAST FOR 20 MONTHS AND TEMPORARY CLOSURE FOR ONE (1) WEEK.
- ① TEMPORARY SIGNAL PLAN SHEET 4 SHALL BE IMPLEMENTED CONCURRENTLY WITH THIS WTOP.
 - ② THE DEPARTMENT OF TRANSPORTATION'S ACCEPTANCE OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THE PROPOSED STREET CLOSURE. THE APPLICANT SHALL OBTAIN APPROVAL FROM THE BOARD OF PUBLIC WORKS (OR THEIR DESIGNEE).
 - ③ CONTRACTOR SHALL ABANDON DETECTOR LOOPS FOR PHASES 7 AND 8 AND DISCONNECT DETECTOR WIRES IN CONTROLLER CABINET. WORK IS TO BE DONE WITH NOTIFICATION TO THE WESTERN YARD TRAFFIC SIGNAL INSPECTOR AT (213) 485-6834 THREE (3) WORKING DAYS PRIOR TO START OF CONSTRUCTION.

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



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



CULVER CITY PUBLIC WORKS DEPARTMENT

ACCEPTED BY: *Sammy Romo* 05/13/2015
SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

REVIEWED: <i>May 13, 2015</i> <i>Ps Nafati</i> Transportation Engineer		ACCEPTED: <i>May 13, 2015</i> <i>V. J. Reynolds</i> 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: A-0738 A-5862 A-2137 A-6241 010.014 P-23114 FIELD CHECK		SHEET 16 OF 43	
Thomas Guide: District 672, JI Hollywood-Wilshire		INDEX NUMBER P-38252	
DATE: <i>05/13/2015</i>		NO. 2	

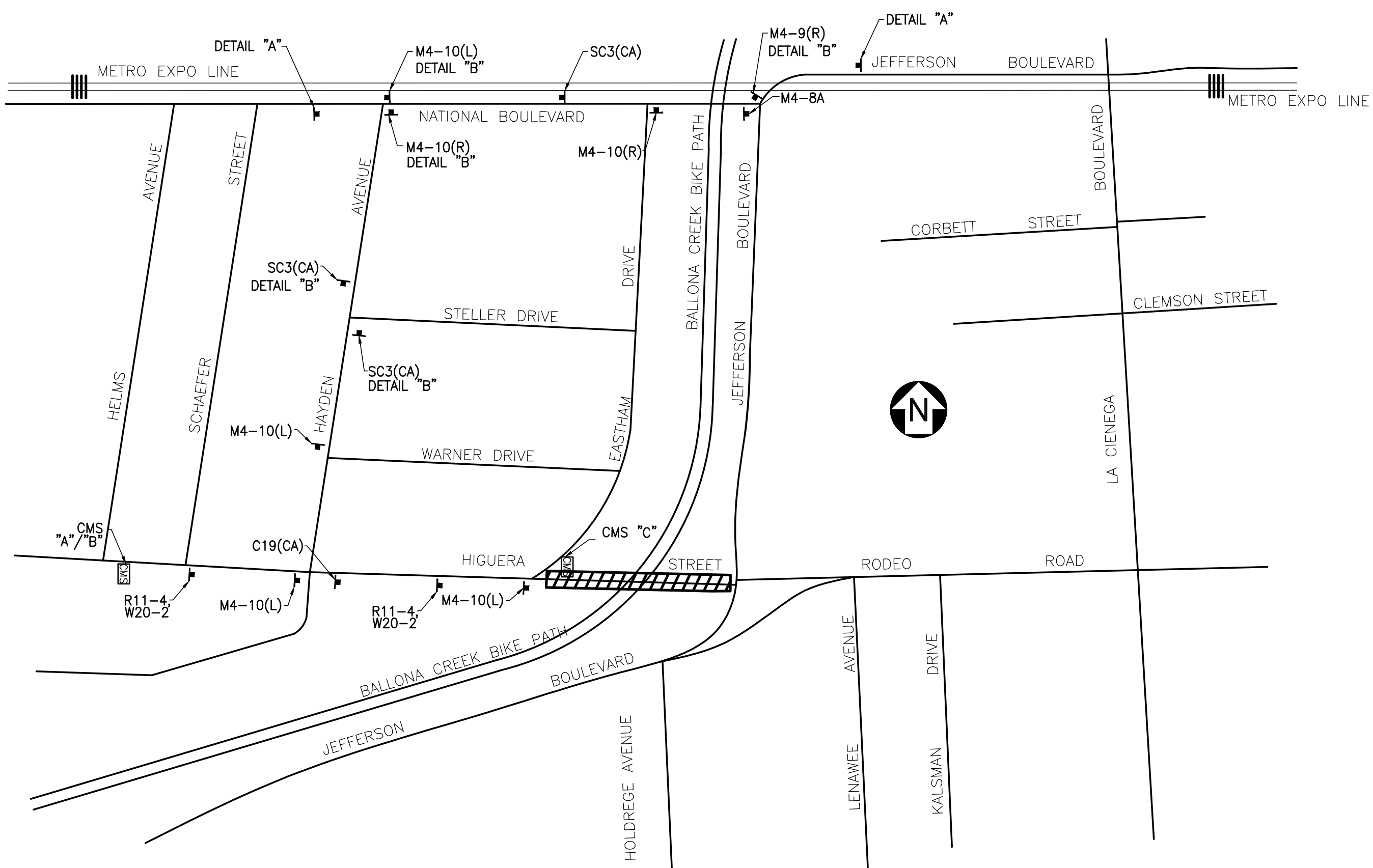
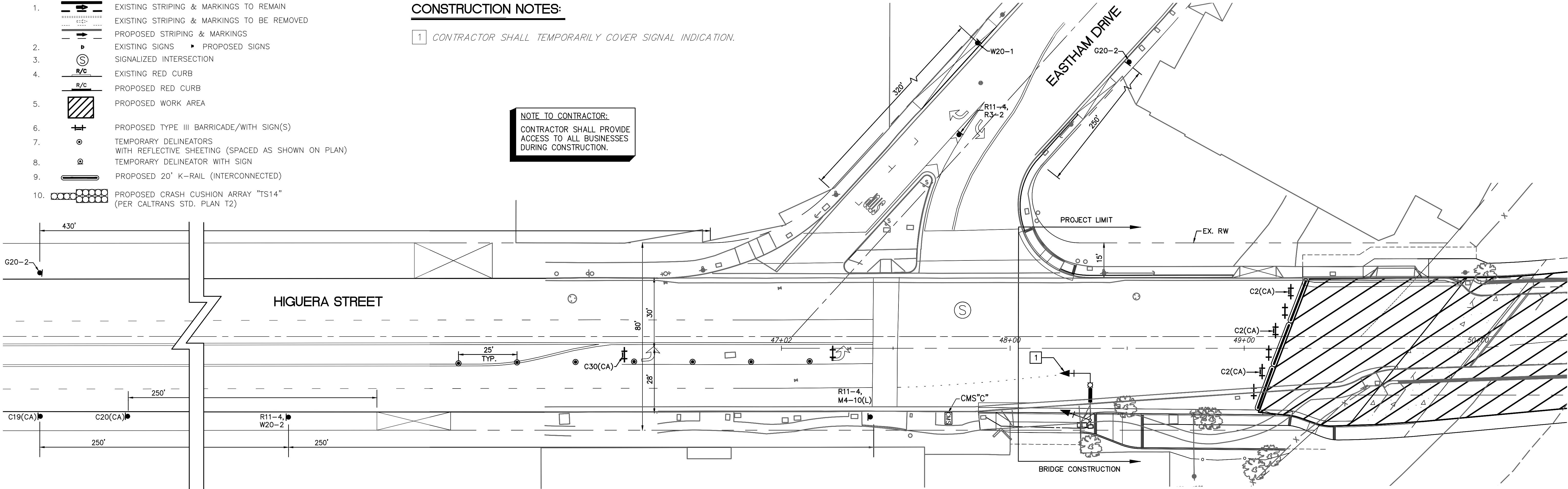
LEGEND

- 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.



SIGN LEGEND:

C19(CA)

C20(CA)(L)

C30(CA)

W20-1

W20-2

M4-10L

M4-10R

R3-2

G20-2

C2(CA)/R11-2

R11-4

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"

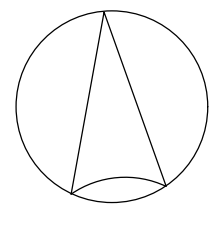
HIGUERA
BRIDGE
CLOSED
DETOUR
USE
NATIONAL
CMS (DURING CONSTRUCTION)
CMS "B"

BUSINESS
OPEN
DURING
CONSTRUCTION
CMS (DURING CONSTRUCTION)
CMS "C"



DETOUR MAP

NTS



SCALE: 1"=40'

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

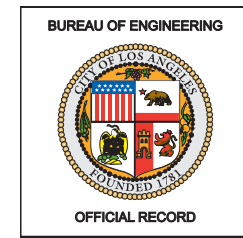
DATE:
Sep 26, 2016

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



HIGUERA BRIDGE REPLACEMENT PROJECT			
CULVER CITY PUBLIC WORKS DEPARTMENT			
HIGUERA STREET AT EASTHAM DRIVE			
TRAFFIC CONTROL PLAN			
BR003512	JOB	DWG	SHEET 19 OF 43

NOT USED



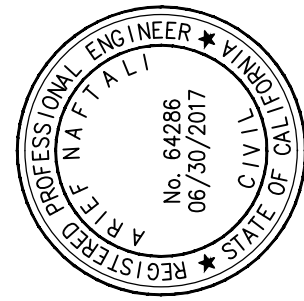
**CULVER CITY PUBLIC
WORKS DEPARTMENT**

SAMMY ROMO, P.E.
ASSOCIATE ENGINEER

PLANS PREPARED BY:
P S O M A S

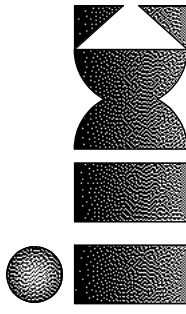
555 South Flower Street, Suite 4300
Los Angeles, CA 90071
(213) 223-1400 Fax (213) 223-1444

ARIEF NAFTALI, P.E. 84286



• IDC Consulting Engineers, Inc.

203 WEST CERRITOS AVENUE,
ANAHEIM, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

PLANS PREPARED BY:

CITY OF LOS ANGELES

VERTICAL CONTROL: BM# 13-00910 AND BM# 13-00930 NAVD88 2000ADJ
HORIZONTAL CONTROL: SEE PLAN SHEETS FOR CONTROL LINE REFERENCE

SHEET TITLE:

REVOCABLE PERMIT

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

PSOMAS

ENGINEER:	ARIEF NAFTALI, PE	DES
-----------	-------------------	-----

DESIGNED BY: VINCENT HELLENS

DRAWN BY: STAFF

CHECKED BY: ARIEF NAFTALI, PE

BUREAU OF ENGINEERING
APPROVAL:

OFFICE: CENTRAL DISTRICT

CHECKED BY: (PRINTED NAME)

SIGNATURE:	DATE:
------------	-------

✓	NO. REVISIONS:	DATE: BY:

[illegible]

WORK ACCEPTED	SERIAL NO.
---------------	------------

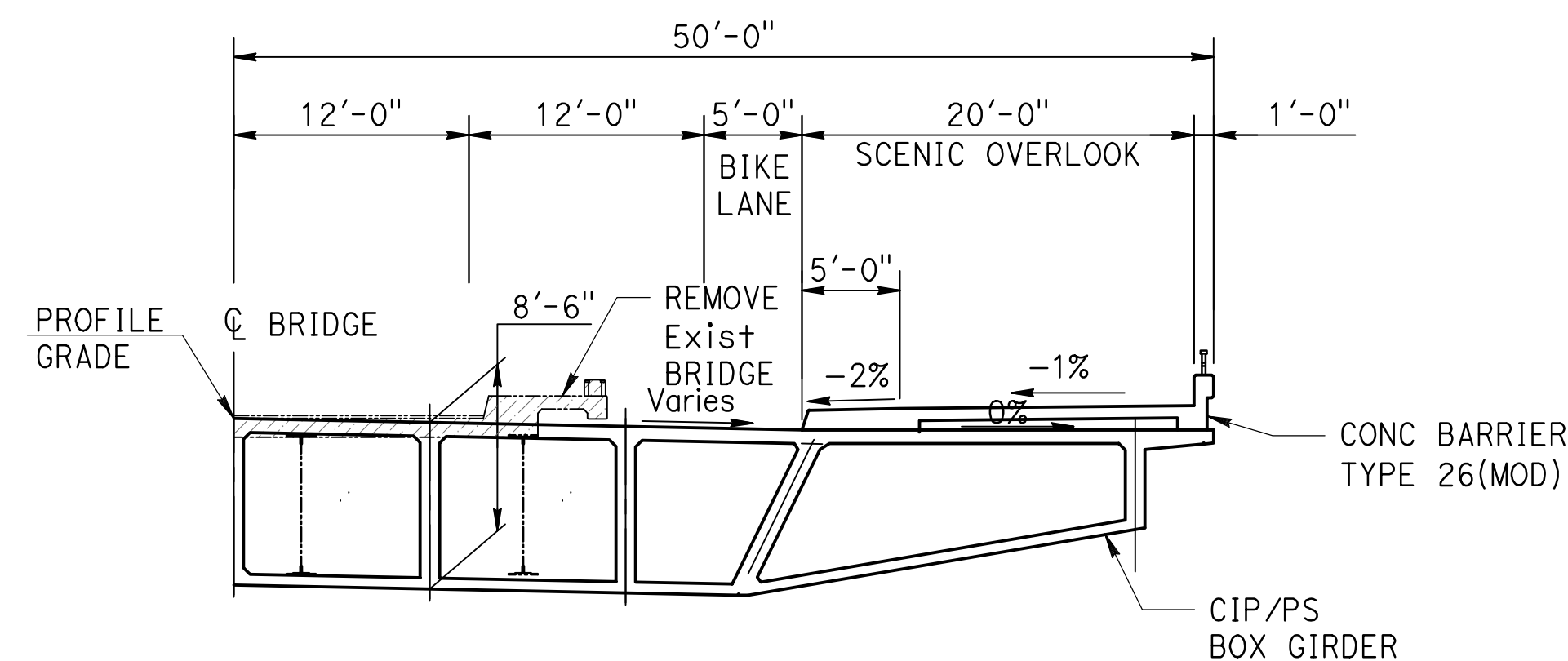
	DATE: BY:	



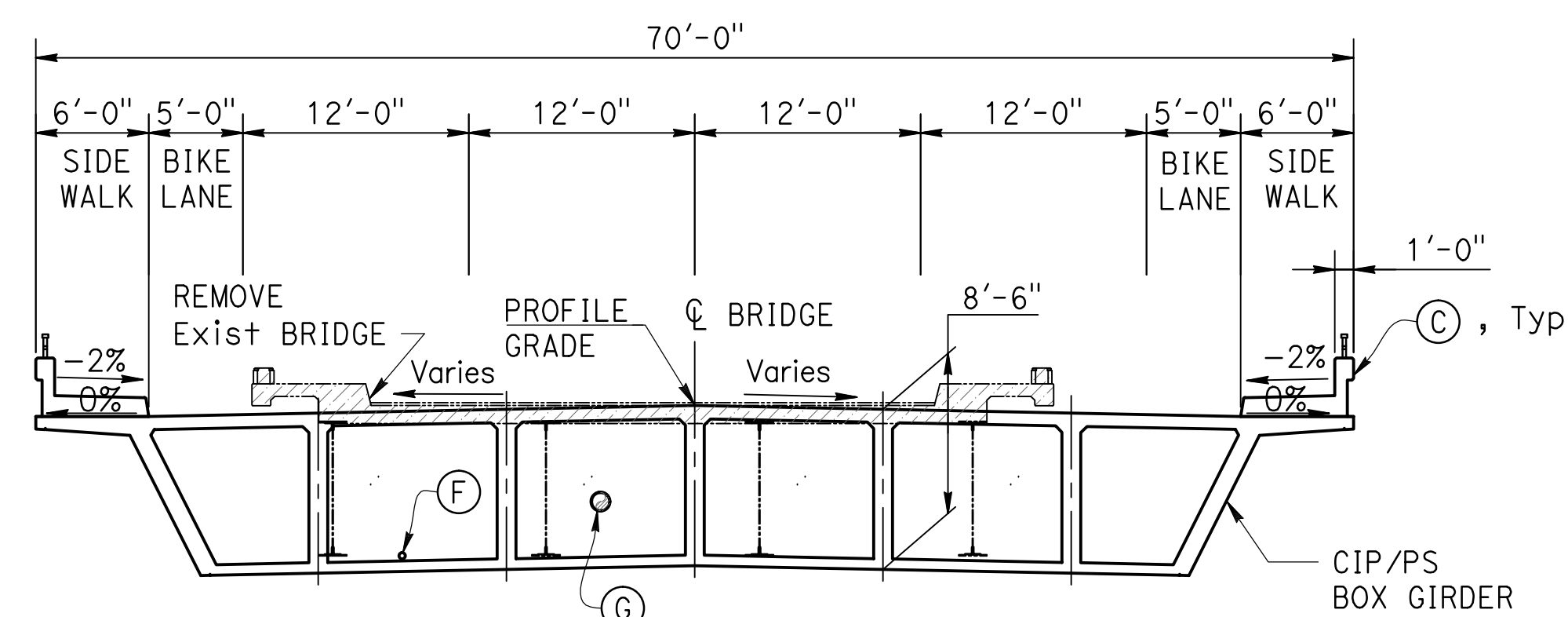
CITY OF LOS ANGELES

✓	NO. REVISIONS:

B - PERMITS
BR003512



PART TYPICAL SECTION AT OVERLOOK



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

LEGEND:

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

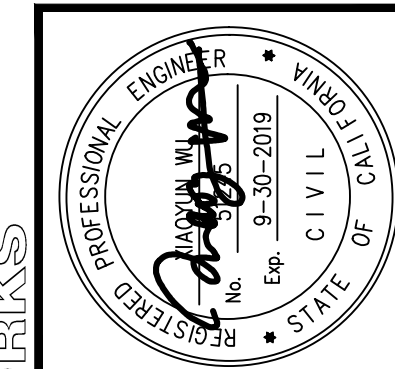
KEY NOTES:

- Point of Minimum Vertical Clearance
- (A) Paint "Bridge No. 54-0781"
- (B) Paint "HIGUERA STREET BRIDGE"
- (C) Concrete Barrier Type 26
- (D) Structure Approach Type N(30S)
- (E) Deck Drain, Type D-2
- (F) AT&T TELEPHONE LINE
- (G) 12"Ø WATER LINE
- (H) SHADE STRUCTURE BY OTHERS, SEE ARCHITECTURAL PLAN

NOTES:

1. For removal details, see "DEMOLITION PLAN" sheet.
2. 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.



DEPARTMENT OF PUBLIC WORKS

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

GENERAL PLAN

DRAWING NO

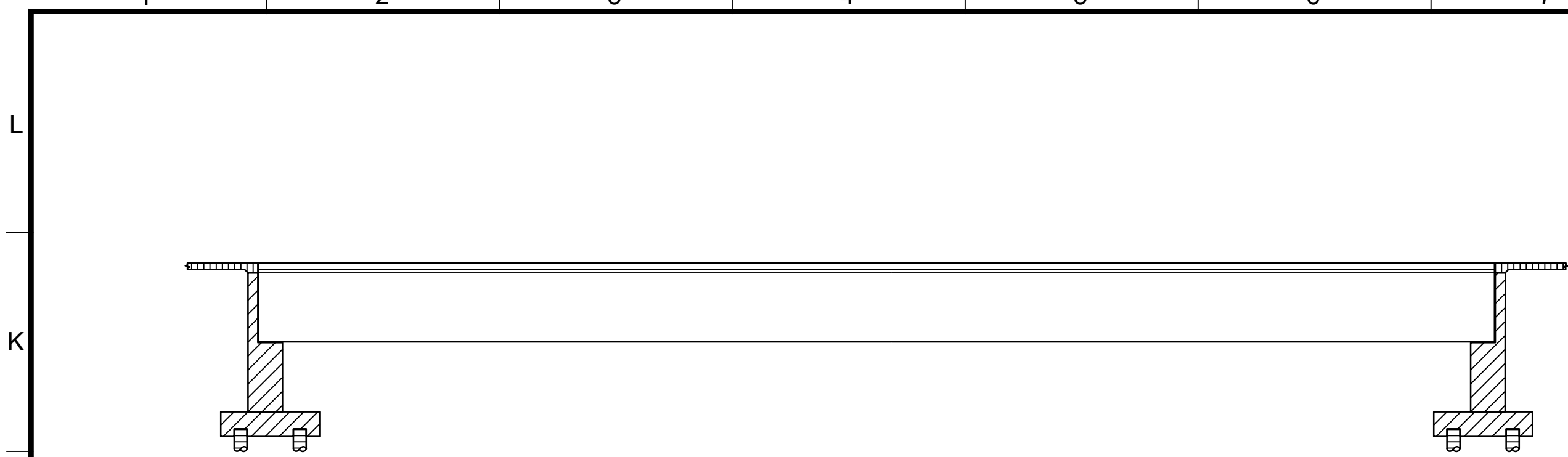
S-1

SHEET 21 OF 45 SHEETS



Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-a-to-dwg [Index to Plans] Wed, 12 Jun 2019, 2:38 PM - IDCNET
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)



CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

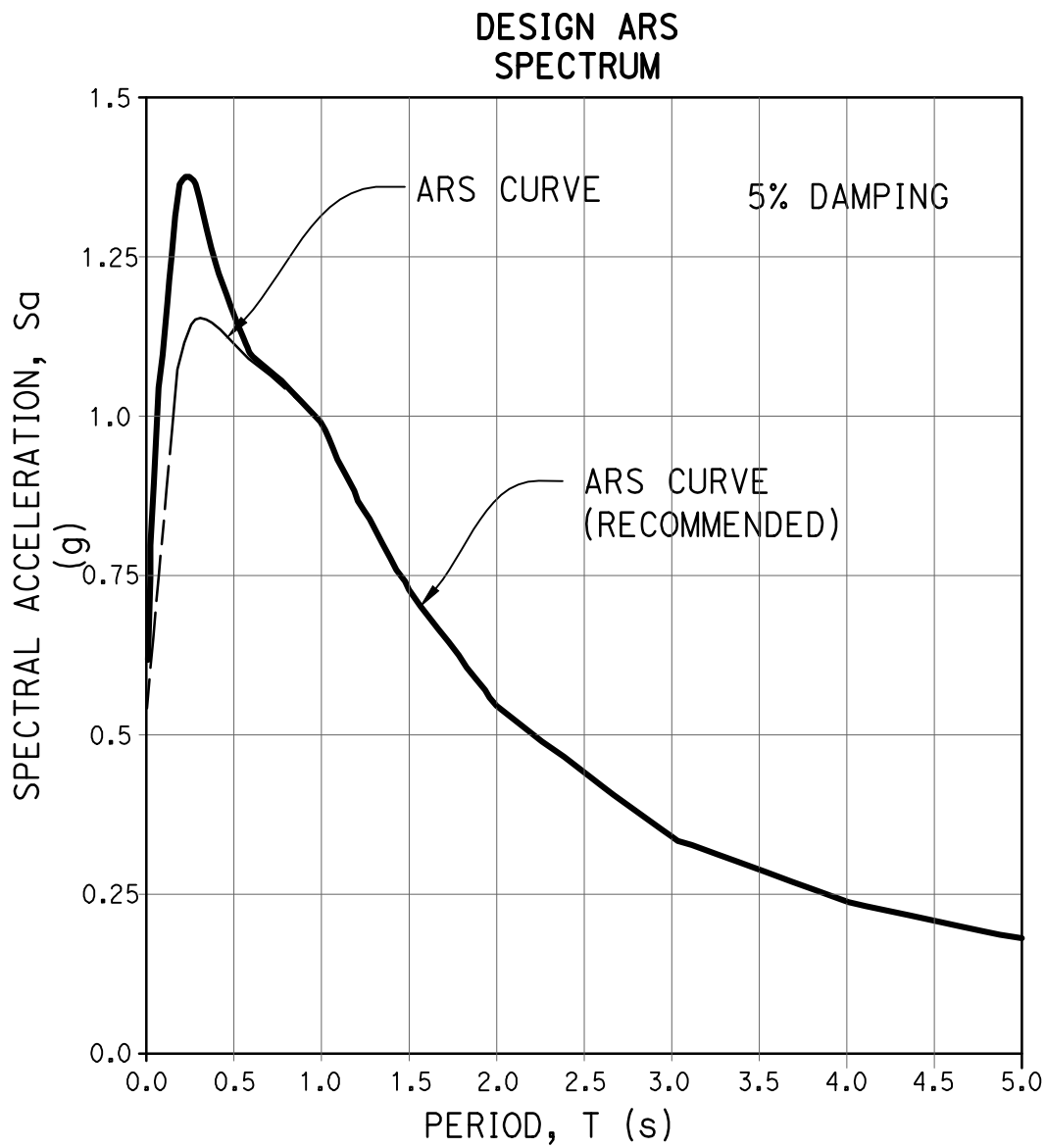
CONCRETE LEGEND:

- Structural Concrete, Bridge (6 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

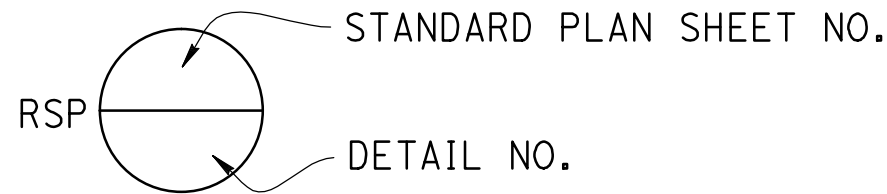
DRAINAGE AREA: 130 SQUARE MILES		
FREQUENCY (YEARS)	BASE FLOOD	BULKED FLOOD
	100	-
DISCHARGE (CUBIC FEET PER SECOND)	30,000	-
WATER SURFACE (ELEVATION AT BRIDGE; FOOT)	74.3	-
FLOOD PLAIN DATA ARE BASED UPON INFORMATION AVAILABLE WHEN THE PLANS WERE PREPARED AND ARE SHOWN TO MEET FEDERAL REQUIREMENTS.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

INDEX TO PLANS

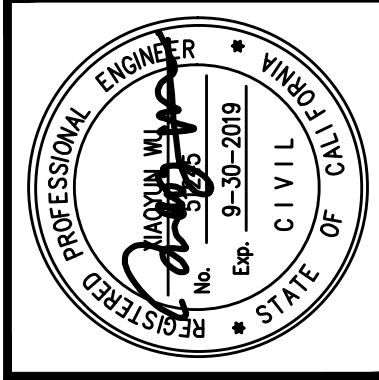
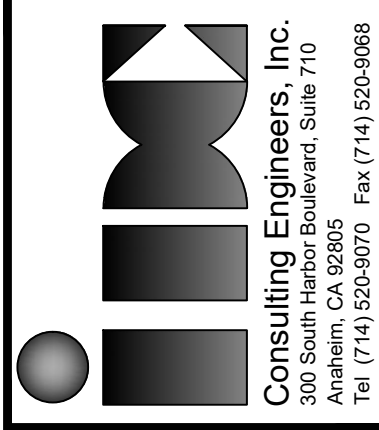
SHEET No.	TITLE
S-1	GENERAL PLAN
S-2	INDEX TO PLANS, STANDARD PLANS & GENERAL NOTES
S-3	GENERAL NOTES
S-4	DEMOLITION PLAN
S-5	DECK CONTOUR PLAN
S-6	FOUNDATION PLAN
S-7	ABUTMENT 1 LAYOUT
S-8	ABUTMENT 2 LAYOUT
S-9	ABUTMENT DETAILS NO. 1
S-10	ABUTMENT DETAILS NO. 2
S-11	RETAINING WALL DETAILS NO. 1
S-12	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	MISCELLANEOUS DETAILS NO.1
S-23	MISCELLANEOUS DETAILS NO.2
S-24	LOG OF TEST BORINGS - 1 & 3
S-25	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



NO	REVISIONS	DATE	BY



APPROVED		DATE
PROJECT ENGINEER:		10/04/16
DESIGNED BY:		2/27/15
DRAWN BY:		2/27/15
CHECKED BY:		2/27/15

SHEET TITLE:	
INDEX TO PLANS, STANDARD PLANS & GENERAL NOTES	
PROJECT:	
ADDRESS:	

DRAWING NO.	
S-2	
SHEET 22 OF 45 SHEETS	

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

Z:\Dropbox\IDC\CAO\2016-01-10_Culver_City\FINAL Bridge\53-0876-a-tp1.dwg [General & Construction Notes] Wed, 12 Jun 2019, 2:39 PM - IDCNET
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)

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

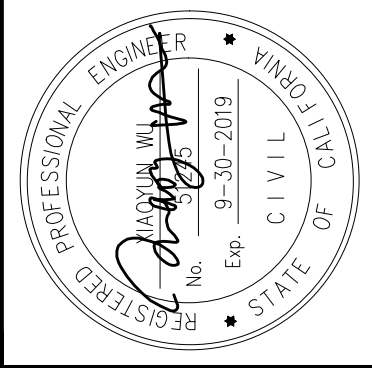
IN ORDER TO ASSURE THAT THE REPLACEMENT OF THE BRIDGE DOES NOT REDUCE CHANNEL DESIGN CONVEYANCE CAPACITY, THE FOLLOWING MINIMUM CHANNEL CAPACITIES ARE REQUIRED:

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.



NO.	REVISIONS:	DATE: BY:	

Consulting Engineers, Inc.
1000 Wilshire Blvd., Suite 170
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	10/04/16	
PROJECT ENGINEER:	S. SHARIFAN		
DESIGNED BY:	L. LIU	2/27/15	
DRAWN BY:	G. ESTEPA	2/27/15	
CHECKED BY:	M. SOLTANI	2/27/15	

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

DRAWING NO.

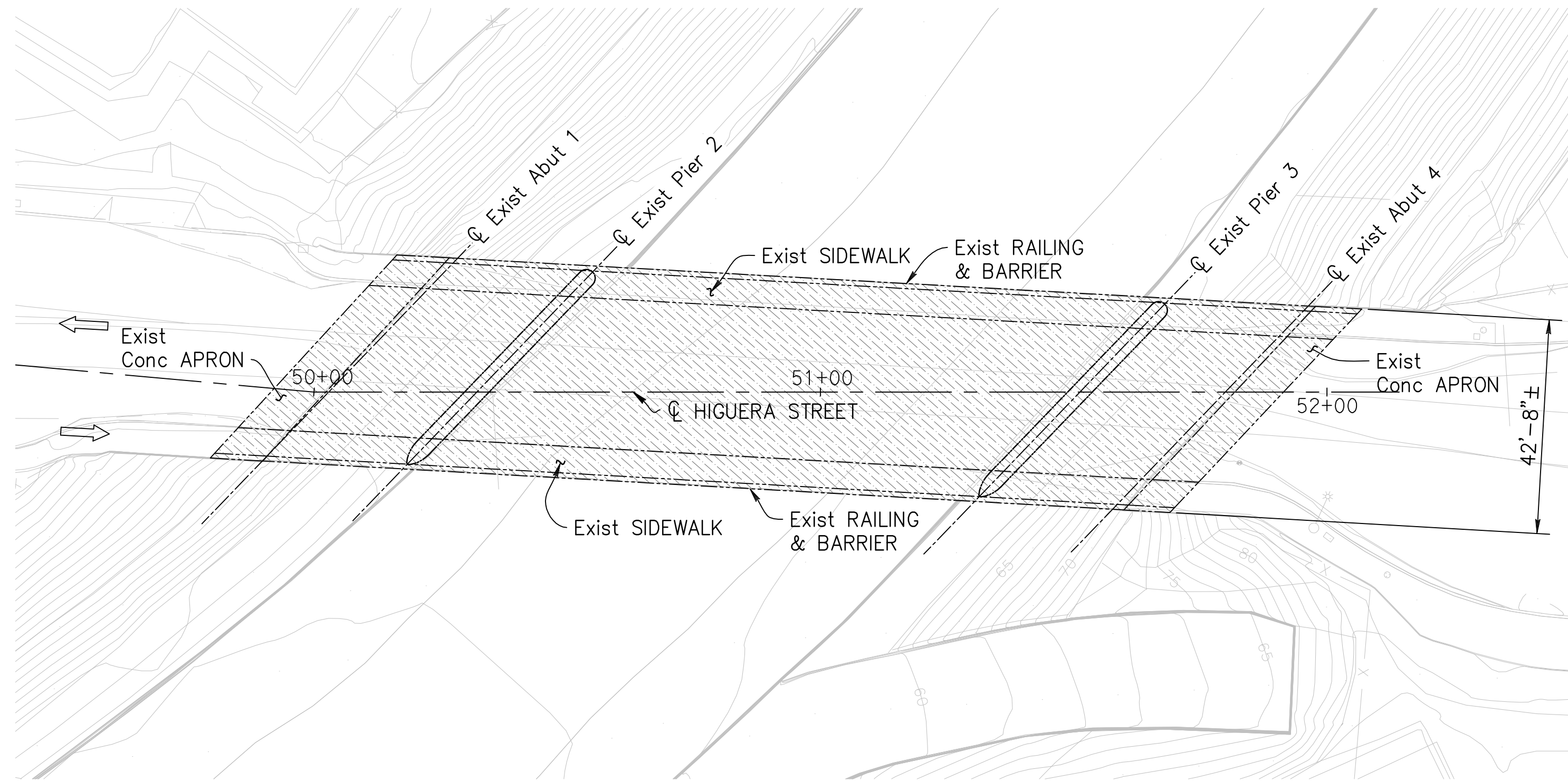
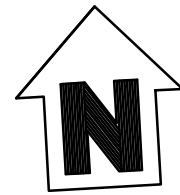
S-3

SHEET 23 OF 45 SHEETS

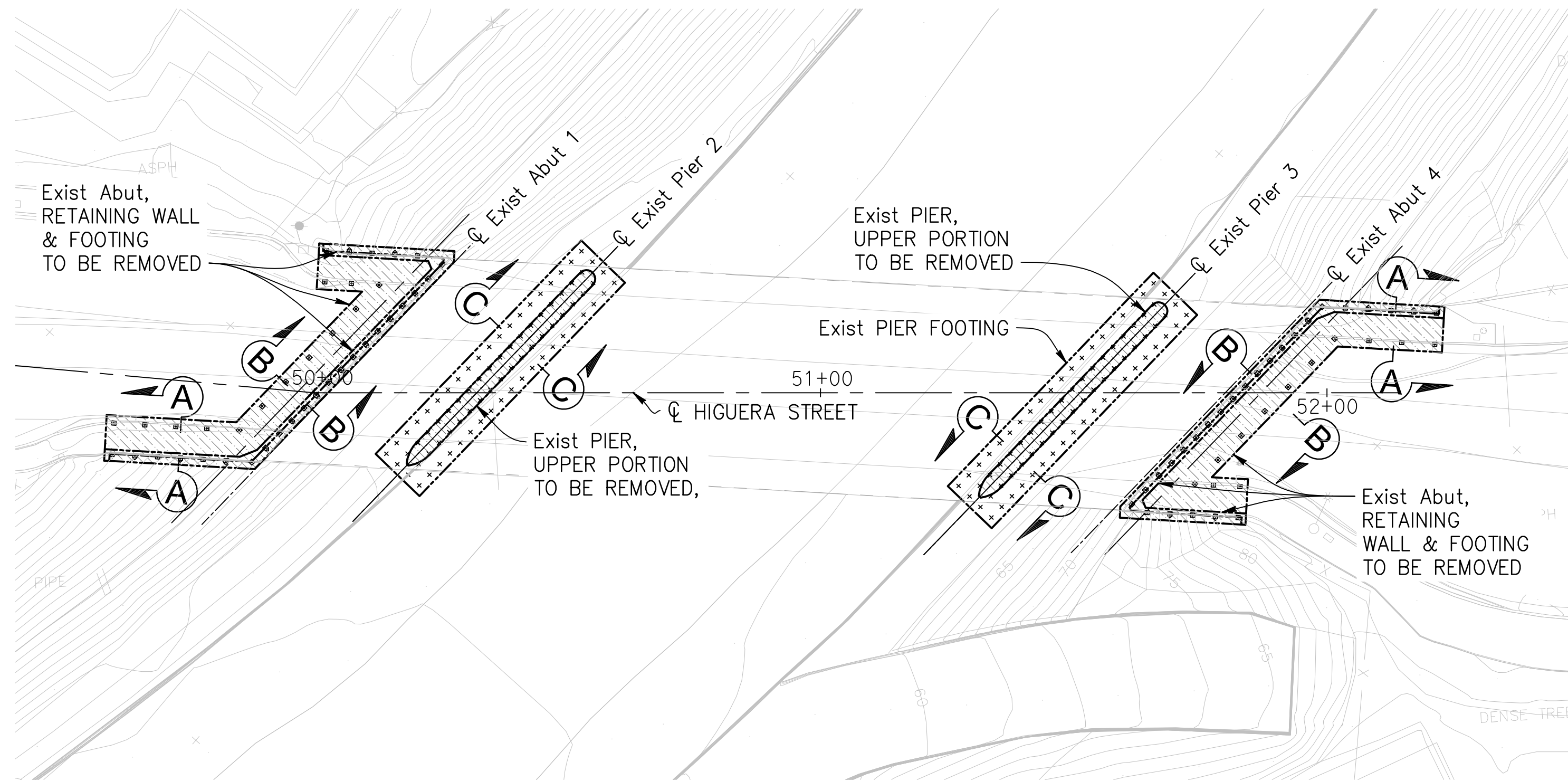
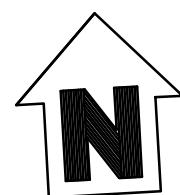
CITY OF CULVER CITY DEPARTMENT OF PUBLIC WORKS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-c-demo.dwg [Bridge Demo Plan] Wed, 12 Jun 2019, 2:39 PM - IDCNET
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)

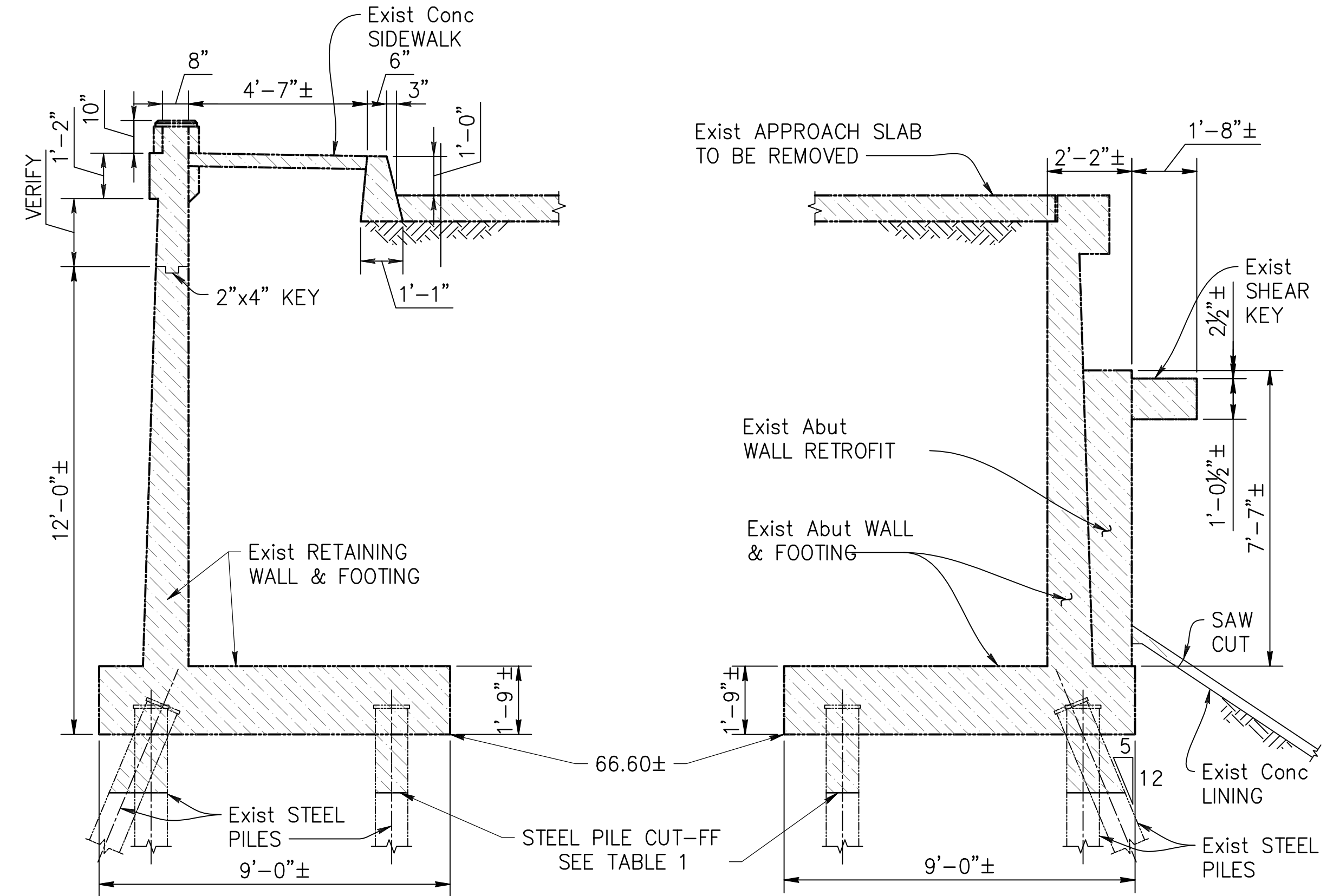


PLAN - EXIST DECK
1" = 20'



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'

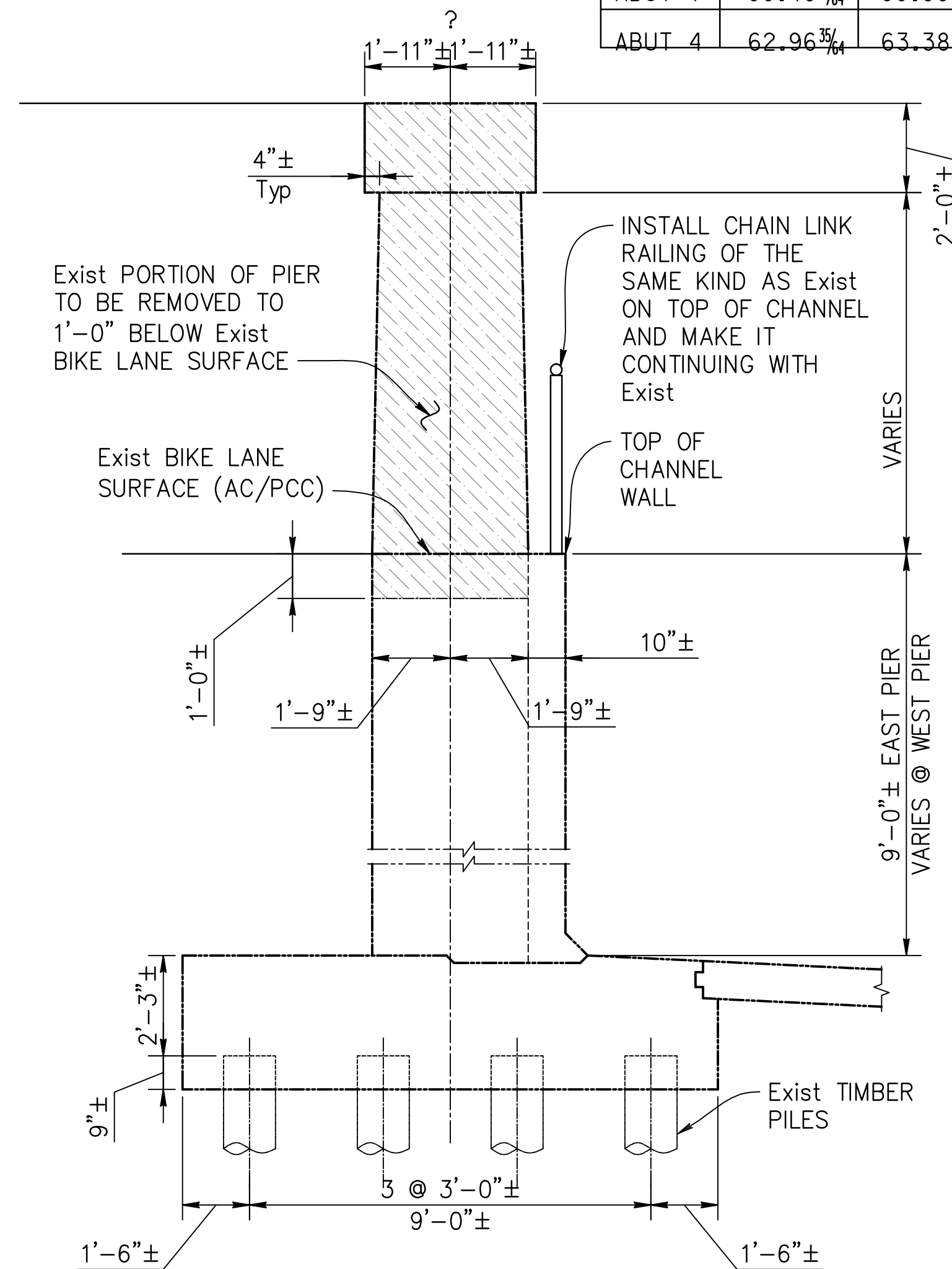
SECTION B-B
3/8" = 10'

	TABLE 1- STEEL PILE CUT-OFF	
	BEYOND NEW FTG	WITHIN NEW FTG
ABUT 1	59.46 ^{5/8} / ₄	59.88 ^{5/8} / ₄
ABUT 4	62.96 ^{5/8} / ₄	63.38 ^{5/8} / ₄

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

DEMOLITION NOTES:

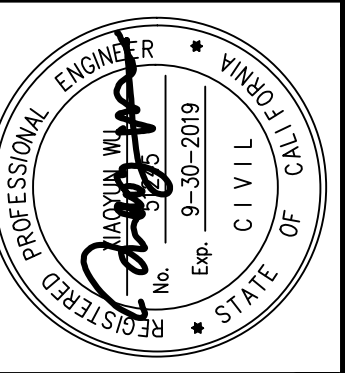
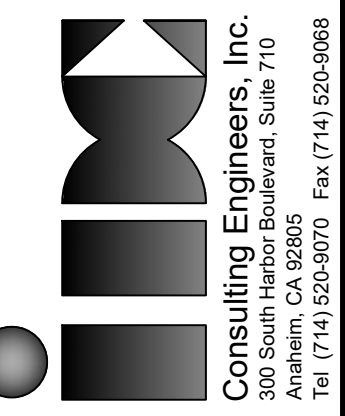
1. Cut Top of Existing Abutment Piles 2'-6" below Existing Footing Elevation.
2. Remove Batter Piles if it obstructs construction of New CIDH Piles.
3. For Existing Footing Elevations, see "FOUNDATION PLAN" Sheet.
4. Any channel concrete lining damaged due to bridge construction/excavation shall be restored in kind. For channel concrete lining repair details, see "CONC REVETMENT/CHANNEL LINING JOINING DETAIL" on "SLOPE PAVING" Sheet.
5. For existing bridge dimensions, details and information not shown, see As-Built plans.
6. 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.



SECTION C-C
3/8" = 10'



DATE:	BY:
REVISIONS:	NO.



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

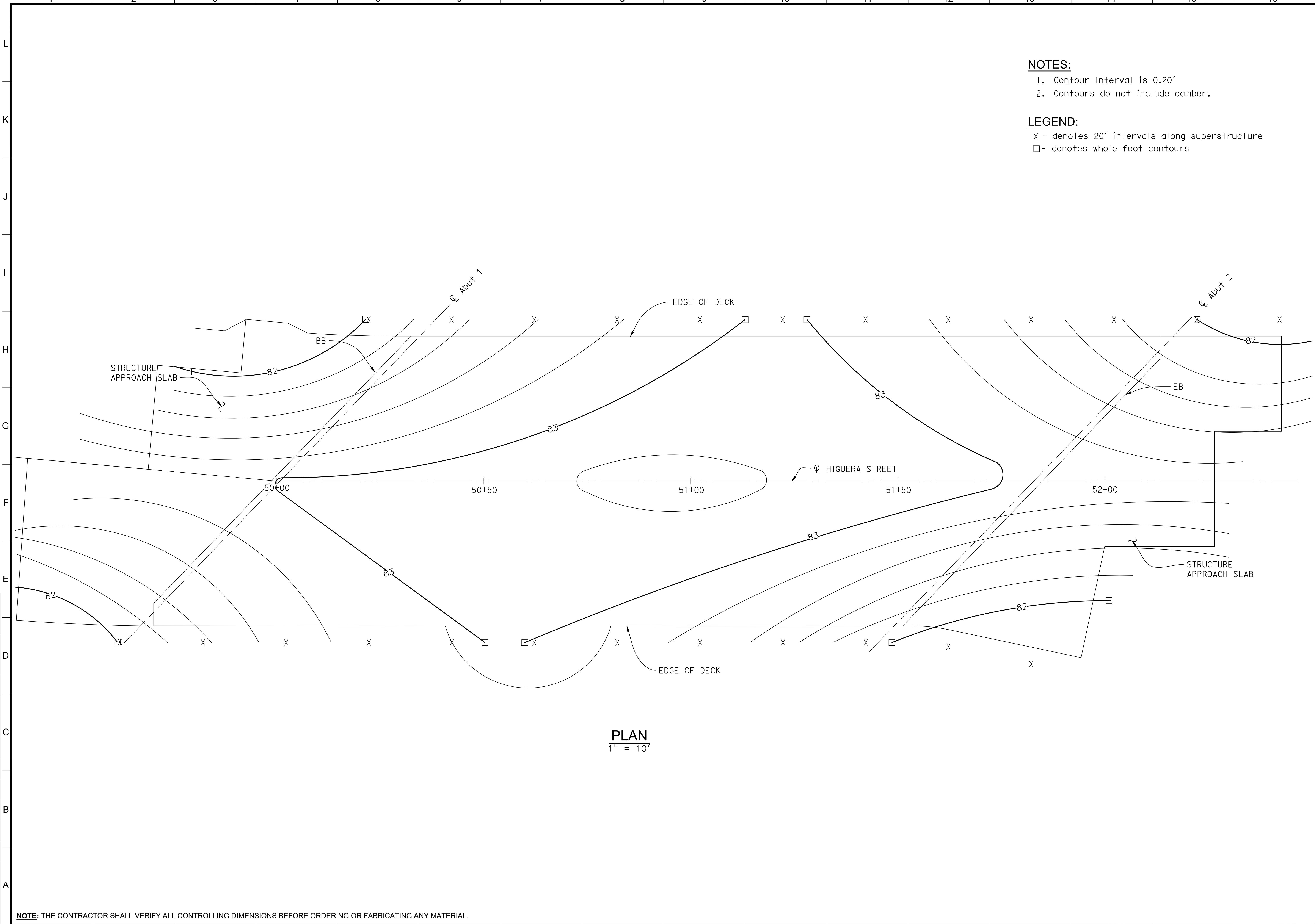
SHEET TITLE:	DEMOLITION PLAN
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.

S-4

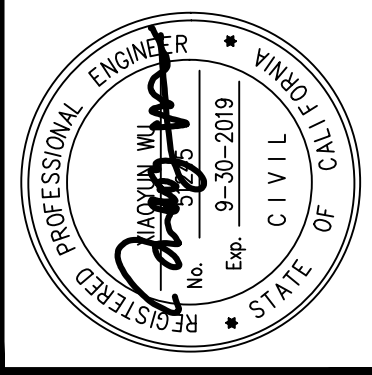
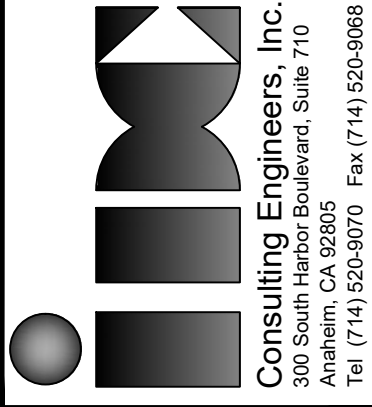
SHEET 24 OF 45 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-d-4c01.dwg [Deck Contour Plan] Wed, 12 Jun 2019, 2:39 PM - IDCNET
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.



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

- LEGEND:**
- X - denotes 20' intervals along superstructure
 - - denotes whole foot contours



APPROVED		DATE
PROJECT ENGINEER:		10/04/16
DESIGNED BY:		2/27/15
DRAWN BY:		2/27/15
CHECKED BY:		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	



DATE: BY:	
REVISIONS:	
NO	

CITY OF CULVER CITY DEPARTMENT OF PUBLIC WORKS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-a-fp01.dwg [Foundation Plan] Wed, 12 Jun 2019, 2:40 PM - IDONT
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)

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 relocated
6 18"Ø Storm Sewer Line	TBD	To be relocated
7 12"Ø Water Line	GOLDEN STATE WATER COMPANY	New
8 18"Ø Storm Sewer Line	TBD	To be relocated
9 24"Ø Storm Sewer Line	TBD	To be relocated

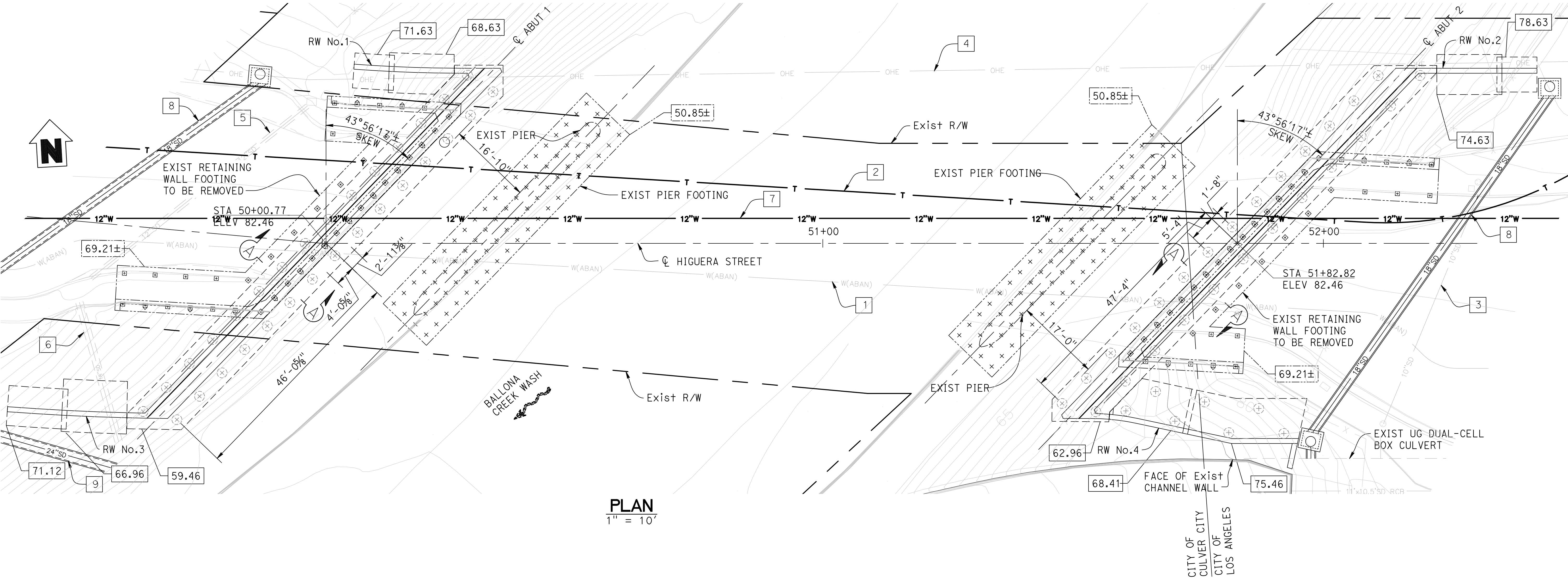
NOTE: Will be protected in place, then will be removed after Golden State Water Company abandons it.

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:

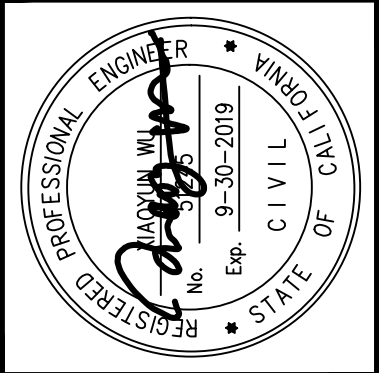
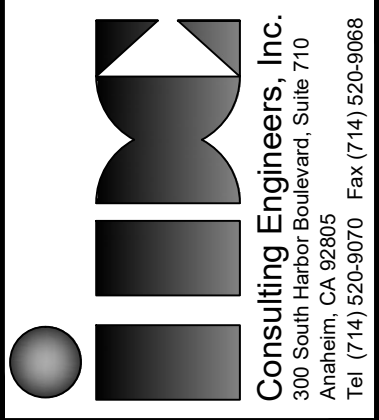
- For Section A-A, see "ABUTMENT DETAILS NO. 1" Sheet.
- For RETAINING WALLS Nos. 1 & 2, see "RETAINING WALL DETAILS NO. 1" Sheet.
- For RETAINING WALL No. 3, see "RETAINING WALL DETAILS NO. 2" Sheet.
- For RETAINING WALL No. 4, see "RETAINING WALL DETAILS NO. 3" Sheet.



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



DATE	BY
NO	REVISIONS



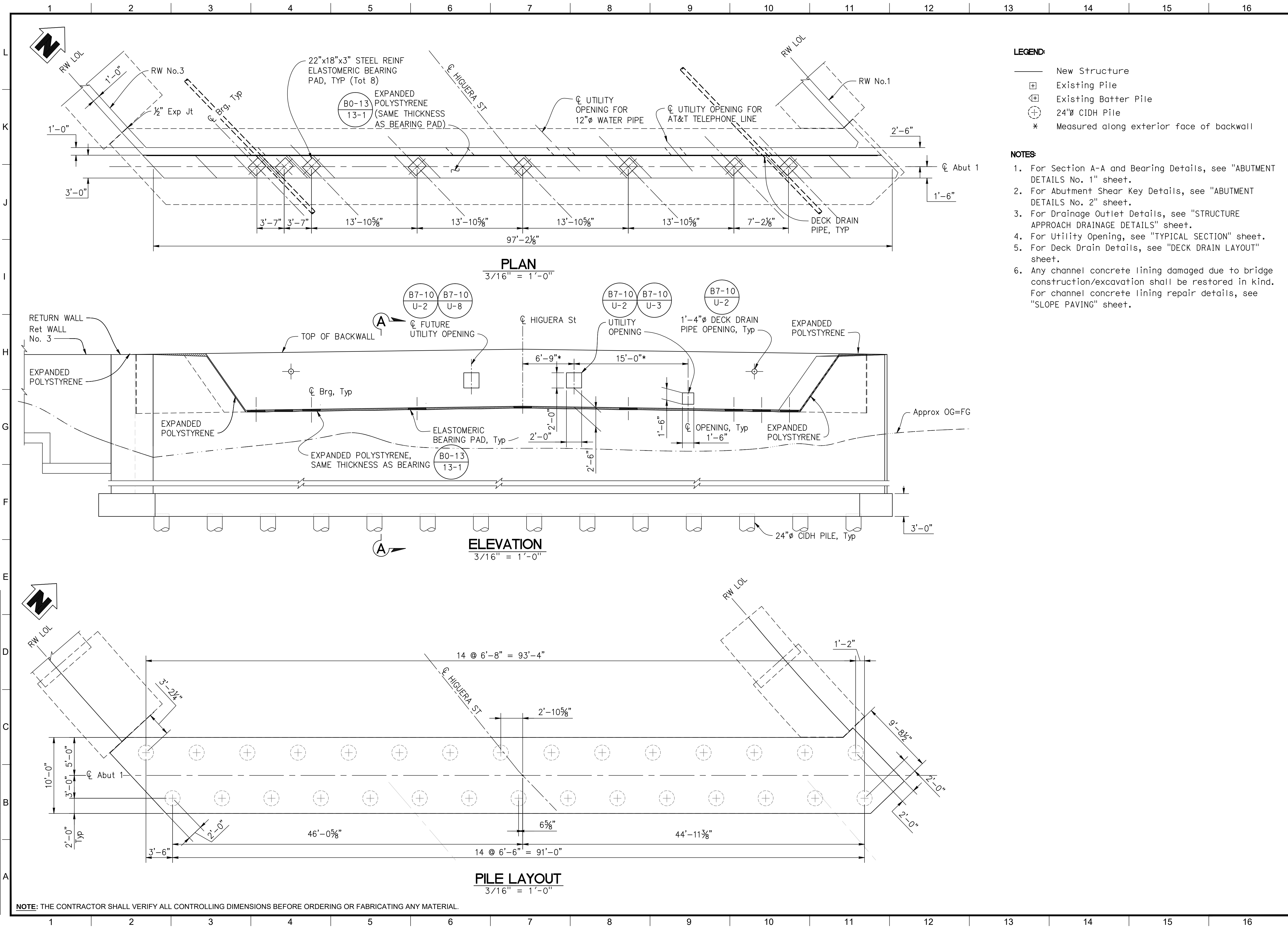
APPROVED	DATE
	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

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

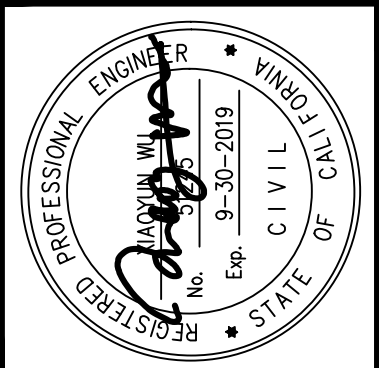
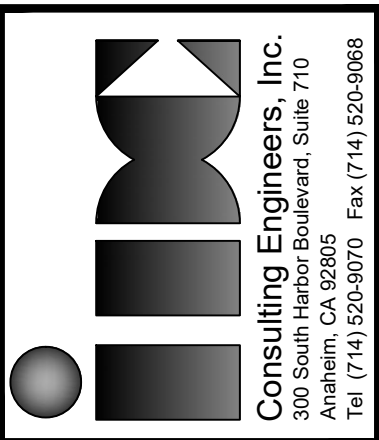
DRAWING NO.

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-f-c011.dwg [Abut 1 Layout] Wed, 12 Jun 2019 2:40 PM - IDCNET
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)



DATE	BY
NO	REVISIONS

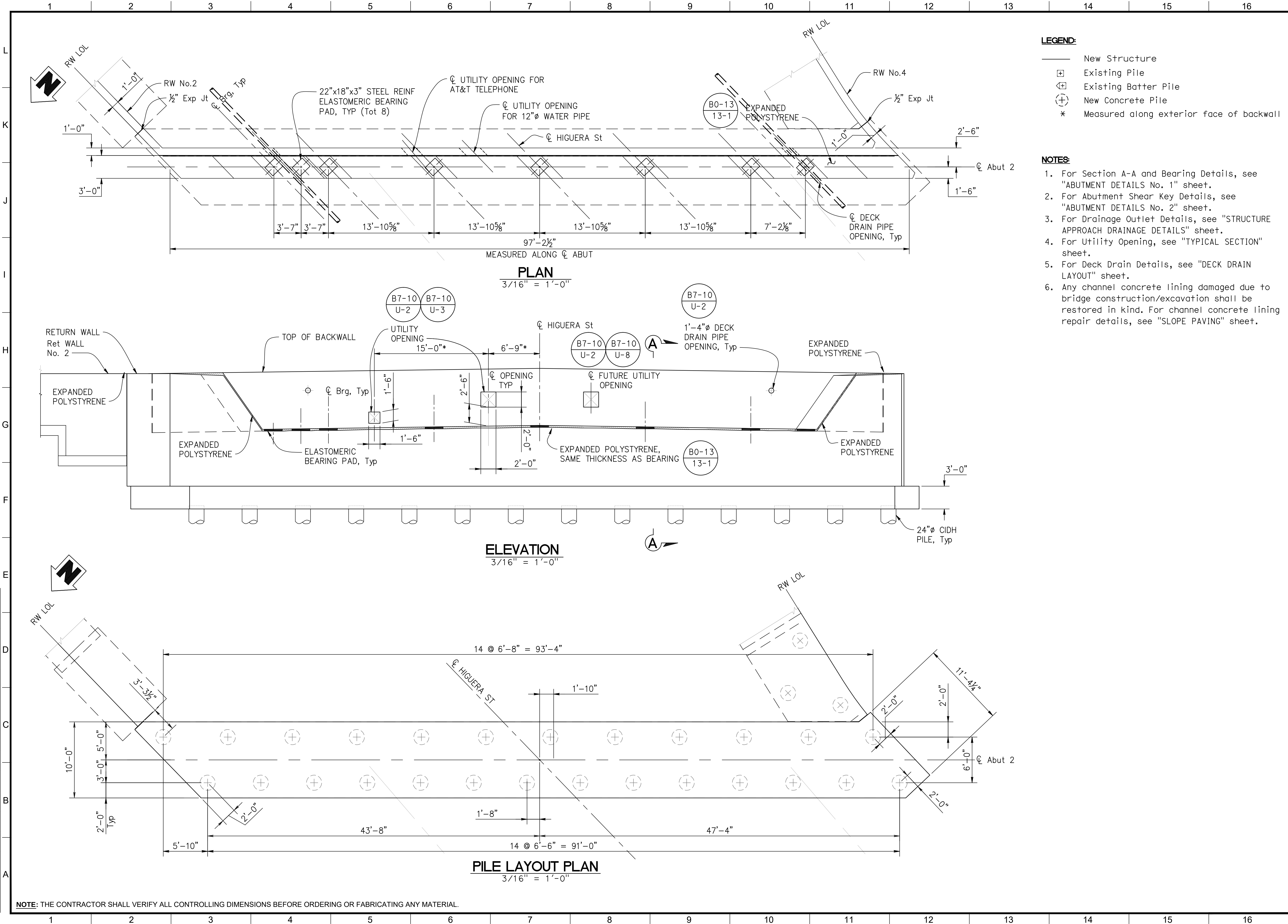


APPROVED	DATE
	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI
DATE	2/27/15
DATE	2/27/15
DATE	2/27/15

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

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-1-c02_b01.dwg [Abut 2 Layout] Wed, 12 Jun 2019 2:41 PM - IDCNET
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)



LEGEND:

- New Structure
- ⊕ Existing Pile
- ⊕ Existing Batter Pile
- ⊕ New Concrete Pile
- * Measured along exterior face of backwall

NOTES:

- For Section A-A and Bearing Details, see "ABUTMENT DETAILS No. 1" sheet.
- For Abutment Shear Key Details, see "ABUTMENT DETAILS No. 2" sheet.
- For Drainage Outlet Details, see "STRUCTURE APPROACH DRAINAGE DETAILS" sheet.
- For Utility Opening, see "TYPICAL SECTION" sheet.
- For Deck Drain Details, see "DECK DRAIN LAYOUT" sheet.
- 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.

DEPARTMENT OF PUBLIC WORKS

SEE SHEET T11-01 FOR HORIZONTAL AND VERTICAL CONTROL

SHEET TITLE: **ABUTMENT 2 LAYOUT**

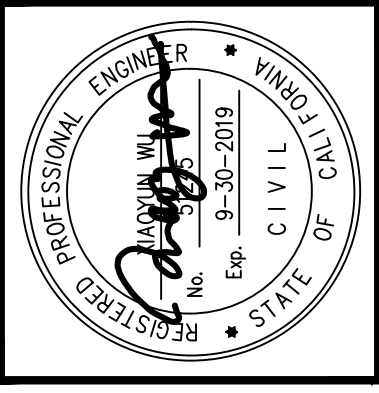
PROJECT: **CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT**

ADDRESS: **HIGUERA STREET CULVERCITY CALIFORNIA**

DRAWING NO. **S-8**

SHEET 28 OF 45 SHEETS

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



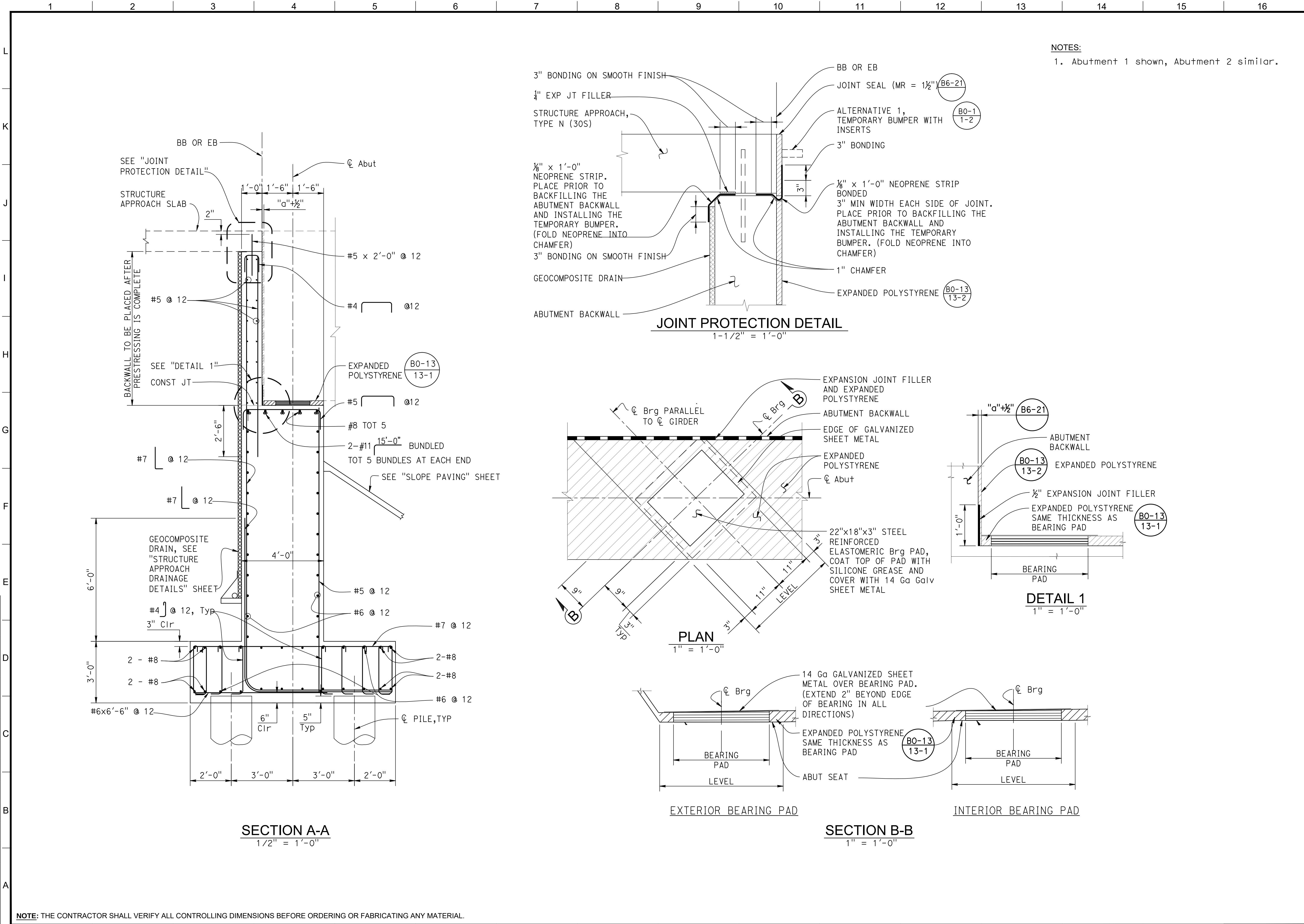
Consulting Engineers, Inc.
1000 Wilshire Blvd., Suite 110
Anaheim, CA 92805
Tel (714) 520-9070 Fax (714) 520-9068

DATE:	BY:
REVISIONS:	
NO.	



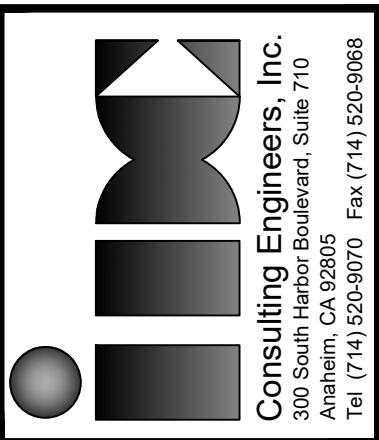
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-f-abut-dt01.dwg [Abut Details 1] Wed, 12 Jun 2019, 2:41 PM - IDCNET
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

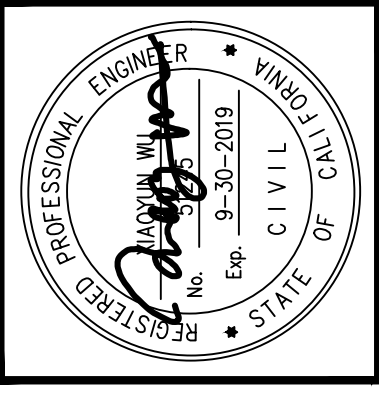




DATE:	
BY:	
REVISIONS:	
NO.	
DATE	
BY	
REVISIONS	



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

ABUTMENT DETAILS NO. 1	
CULVERCITY HIGUERA STREET	
BRIDGE REPLACEMENT	
HIGUERA STREET	
CULVERCITY CALIFORNIA	

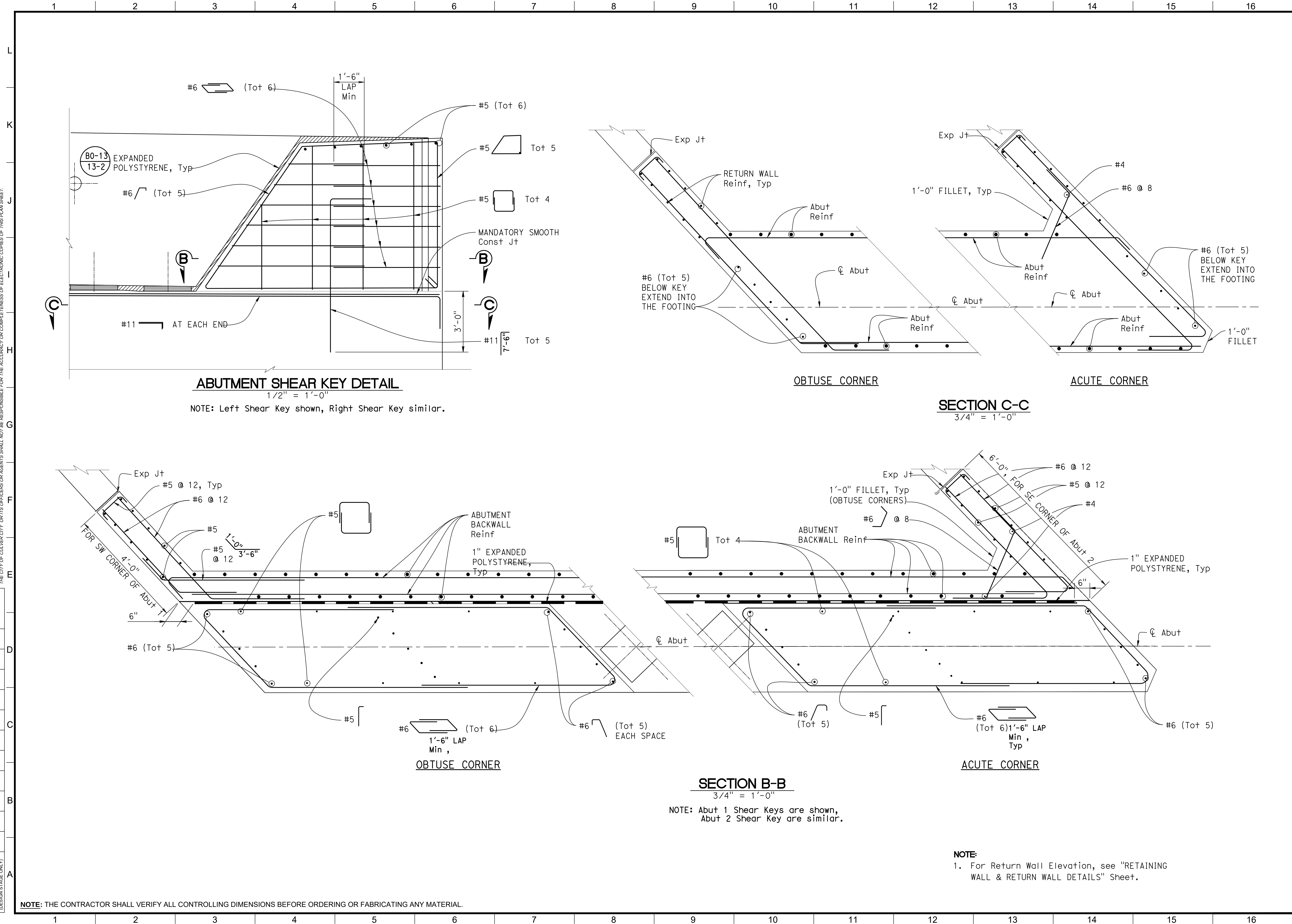
SEE SHEET TITL-01 FOR HORIZONTAL AND VERTICAL CONTROL

S-9

SHEET 29 OF 45 SHEETS

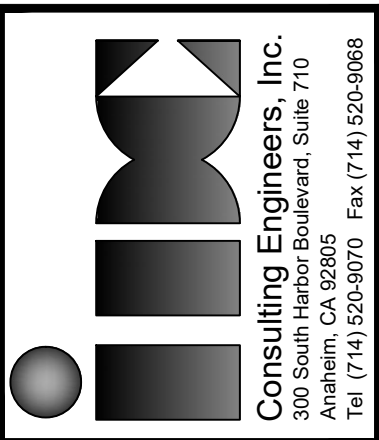
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-f-abut-dt02.dwg [Aut Details 2] Wed, 12 Jun 2019, 2:42 PM - IDCNET
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

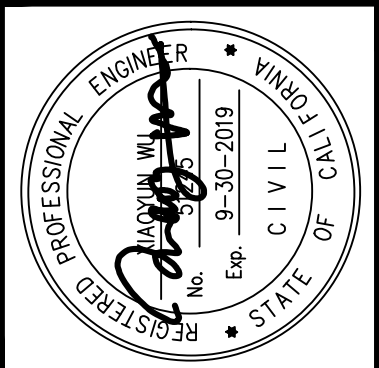




DATE:	
BY:	
REVISIONS:	
NO.	



Consulting Engineers, Inc.
Professional Engineers
1100 Wilshire Blvd., Suite 110
Anaheim, CA 92805
Tel: (714) 920-9070 Fax: (714) 920-9068



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

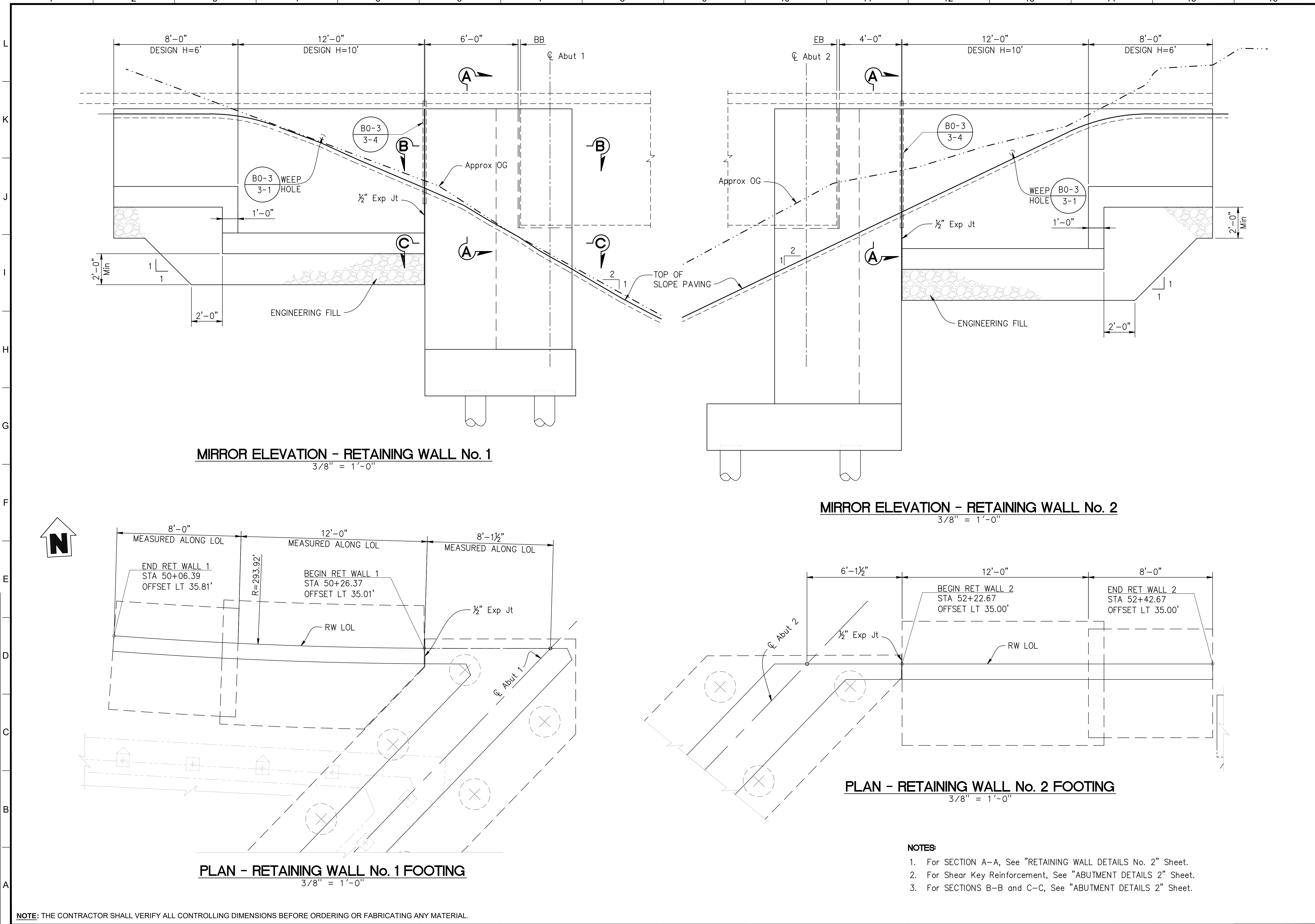
APPROVED	DATE
S. SHARIFAN	10/04/16
L. LIU	2/27/15
G. ESTEPA	2/27/15
M. SOLTANI	2/27/15

SEE SHEET TITL-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	
SHEET 30 OF 45 SHEETS	

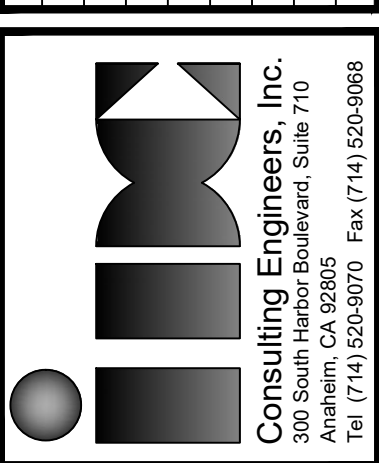
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-9-rwts.dwg, [Retaining Walls 1 & 2] Wed, 12 Jun 2019, 2:43 PM - IDONEIT

REVISION DATES
(DESIGN STAGE ONLY)

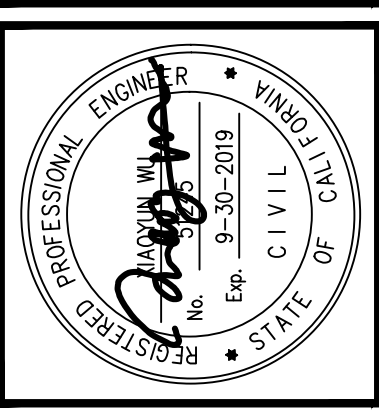




NO.	REVISIONS:	DATE:	BY:



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
S. SHARIFAN	10/04/16
L. LIU	2/27/15
G. ESTEPA	2/27/15
M. SOLTANI	2/27/15

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

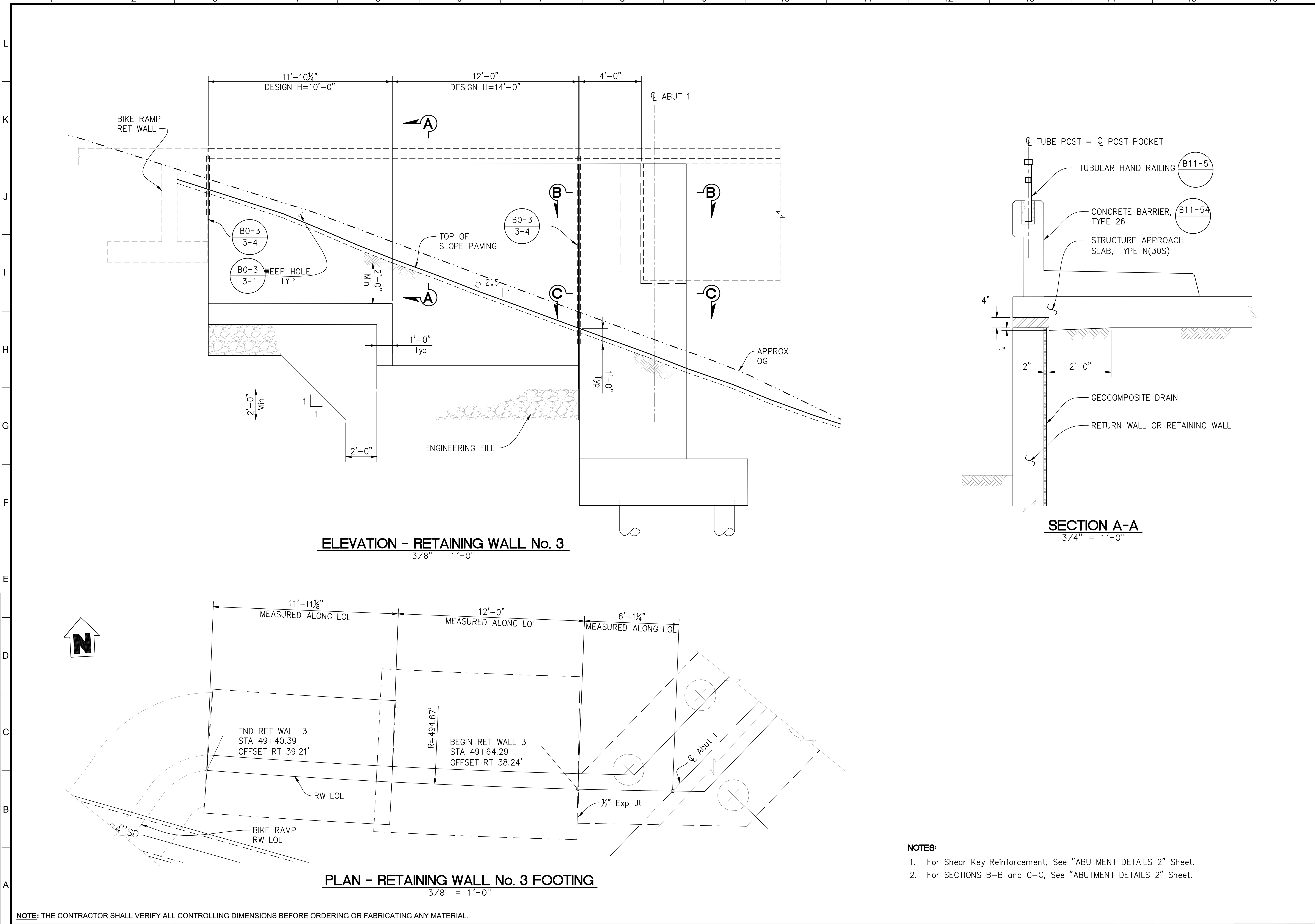
DRAWING NO.

S-11

SHEET 31 OF 45 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-9-rwts.dwg, [Retaining Wall 3] Wed, 12 Jun 2019, 2:43 PM - IDC\NET

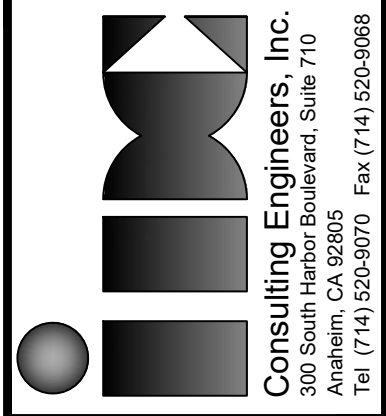
REVISION DATES
(DESIGN STAGE ONLY)



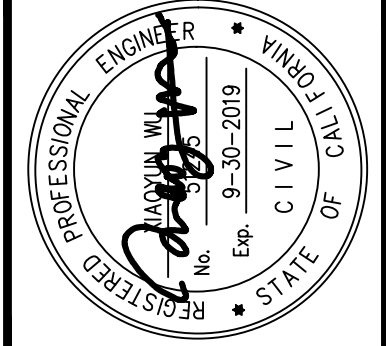
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO	REVISIONS	DATE	BY



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



PROFESSIONAL ENGINEER
Charles D. Herbertson
No. 9-35-2019
CIVIL
STATE OF CALIFORNIA

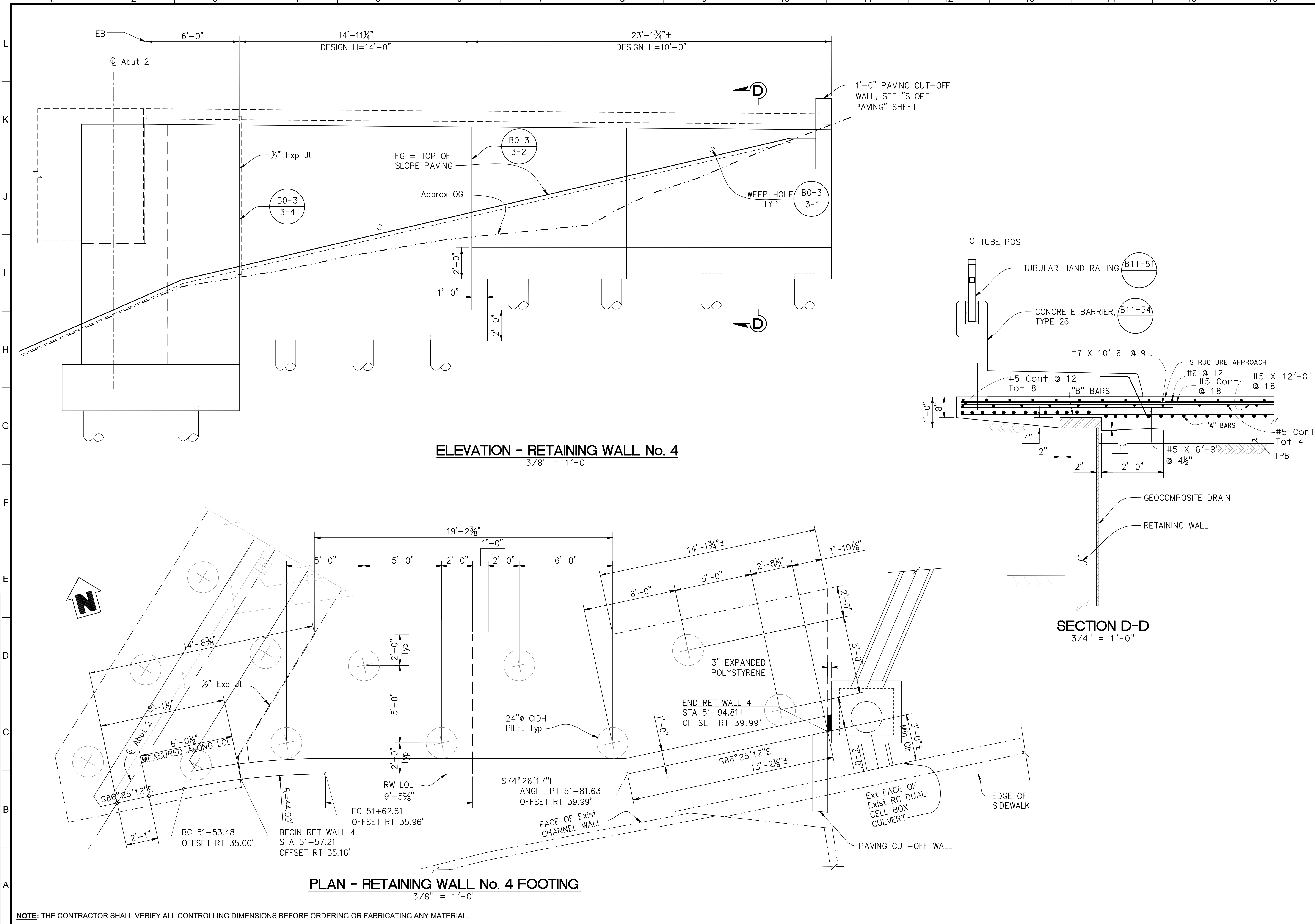
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER: S. SHARIFAN	2/27/15
DESIGNED BY: L. LIU	2/27/15
DRAWN BY: G. ESTEPA	2/27/15
CHECKED BY: M. SOLTANI	2/27/15

SEE SHEET T11-01 FOR HORIZONTAL AND VERTICAL CONTROL	
SHEET TITLE:	RETAINING WALL DETAILS NO. 2
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

DRAWING NO.
S-12
SHEET 32 OF 45 SHEETS

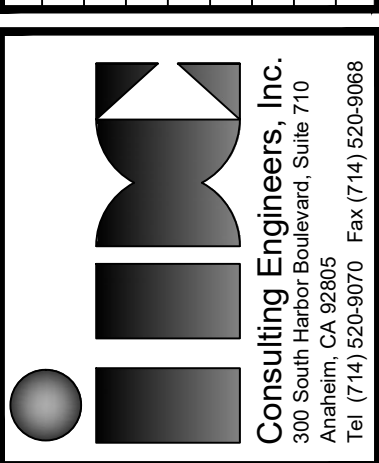
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\5300876-9-rwts.dwg, [Retaining Wall 4], Wed, 12 Jun 2019, 2:43 PM - IDCNET
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

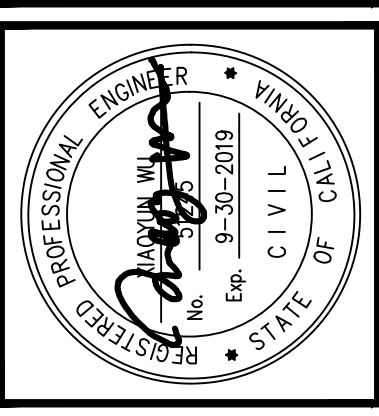




DATE:	
BY:	
REVISIONS:	
NO.	
DATE	
BY	
REVISIONS	



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

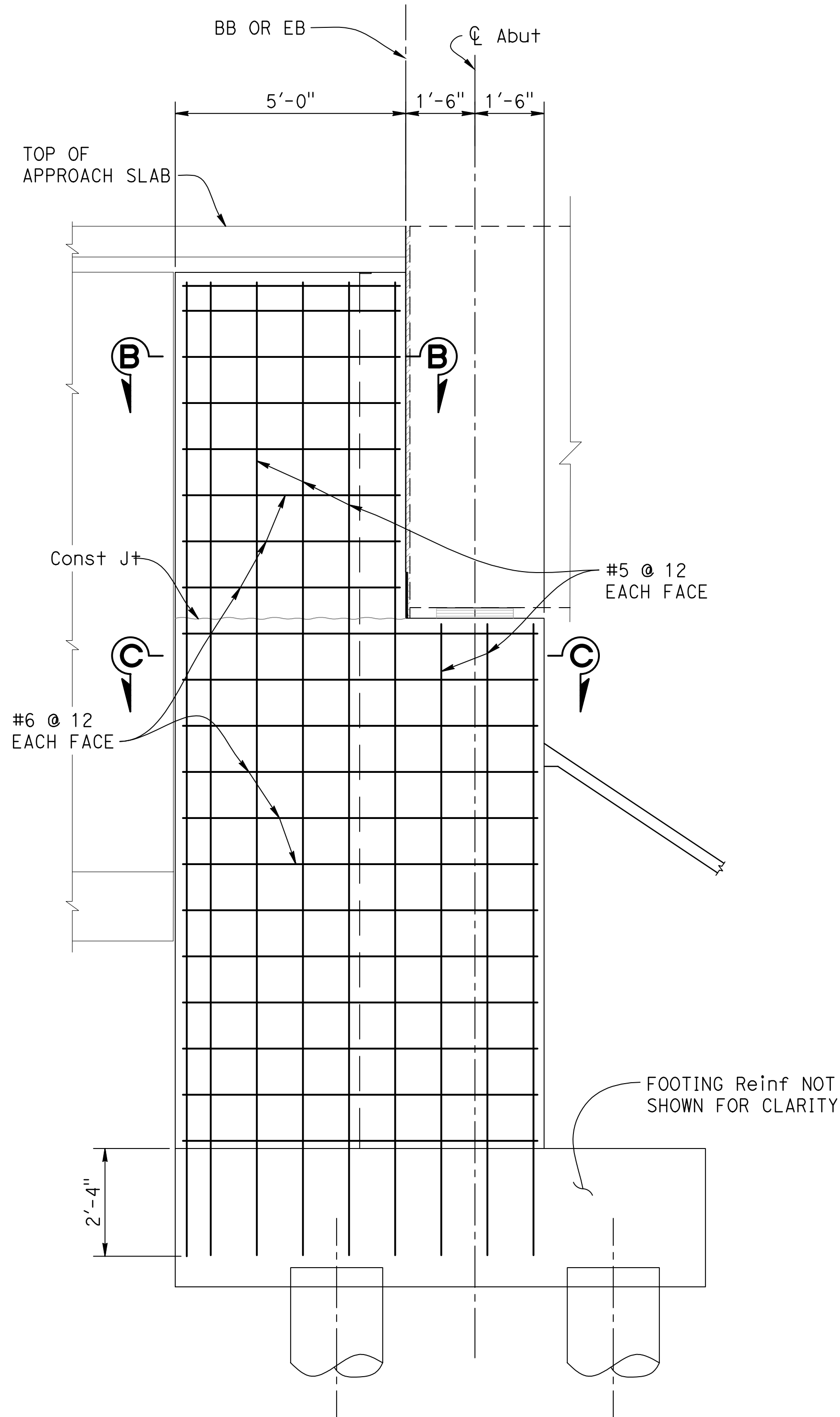
APPROVED	DATE
PROJECT ENGINEER:	10/04/16
DESIGNED BY:	S. SHARIFAN
DRAWN BY:	L. LIU
CHECKED BY:	G. ESTEPA
	M. SOLTANI
	2/27/15
	2/27/15

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

DRAWING NO.	S-13
SHEET	33 OF 45 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\53x0876-9-rwd03.dwg [Ret. Wall & Wing Wall Details] Wed, 12 Jun 2019, 2:43 PM - IDCNET
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.

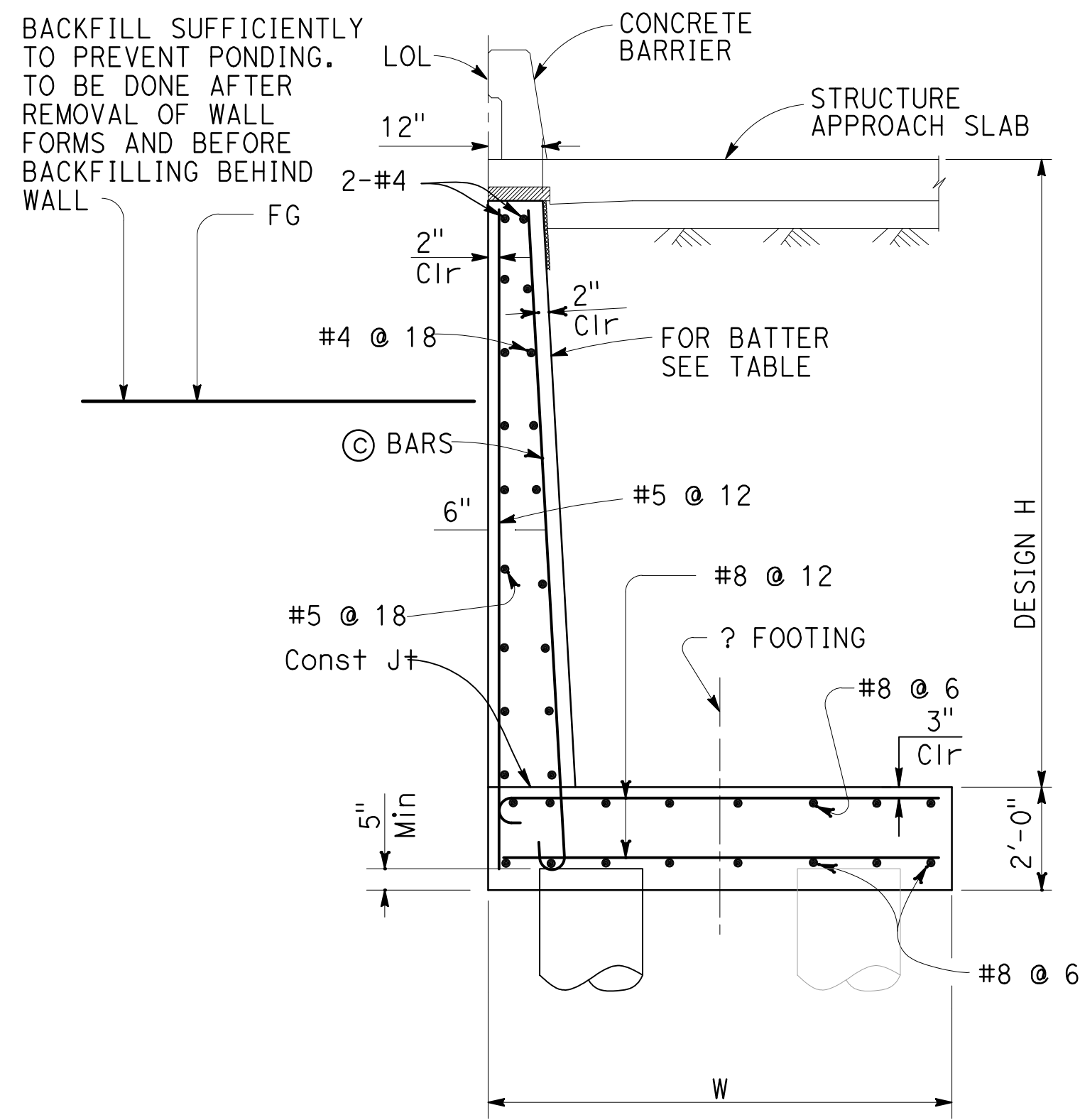
REVISION DATES (DESIGN STAGE ONLY)
A
B
C
D
E
F
G
H
I
J
K
L



RETURN WALL ELEVATION

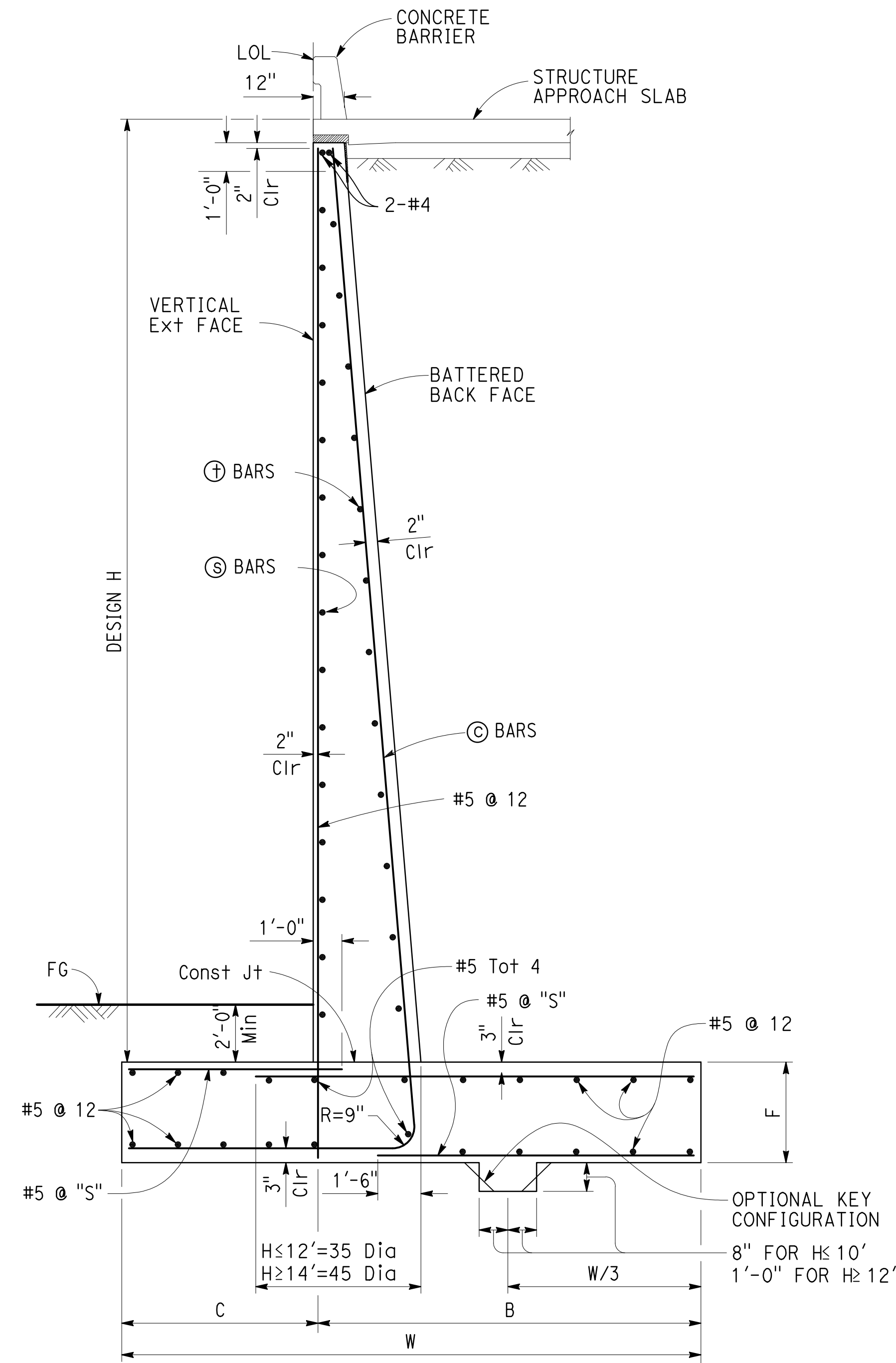
1/2" = 1'-0"

- NOTES:**
1. Abutment 1 shown, Abutment 2 similar.
 2. For Sections B-B and C-C, See "ABUTMENT DETAILS NO. 2" Sheet.



SECTION - RETAINING WALL No. 4
NO SCALE

TABLE OF REINFORCING STEEL, DIMENSIONS & DATA		
DESIGN H	9'	13'
W	9'-0"	9'-0"
BATTER	1/2" : 12"	1/2" : 12"
SPACING "S"	12"	12"
⊙ BARS	#6	#8



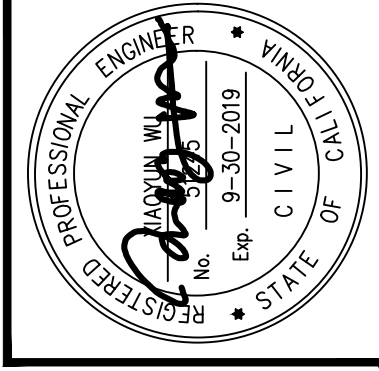
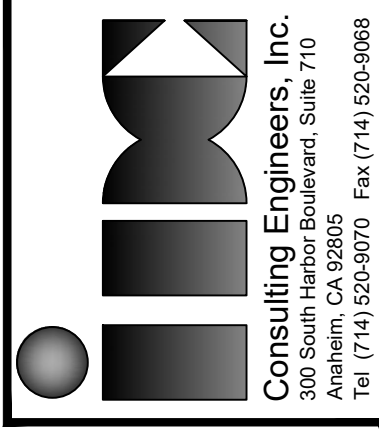
SECTION - RETAINING WALL Nos. 1, 2 AND 3
NO SCALE

TABLE OF REINFORCING STEEL, DIMENSIONS & DATA					
DESIGN H	6'	8'	10'	12'	14'
W	7'-0"	7'-6"	8'-0"	9'-3"	10'-6"
C	2'-3"	2'-6"	2'-9"	3'-0"	3'-3"
B	4'-9"	5'-0"	5'-3"	6'-3"	7'-3"
F	1'-4"	1'-4"	1'-4"	1'-6"	1'-8"
BATTER	1/2" : 12"	1/2" : 12"	1/2" : 12"	1/2" : 12"	1/2" : 12"
SPACING "S"	12"	12"	12"	12"	12"
⊙ BARS	#5	#6	#6	#7	#8
⊕ BARS	#5	#6	#6	#7	#8
⊗ BARS	#5 @ 18	#5 @ 18	#5 @ 18	#5 @ 18	#5 @ 18
⊙ BARS	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 18	#4 @ 18

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

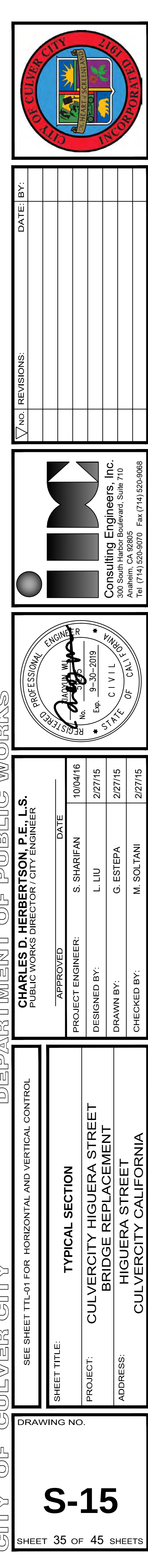


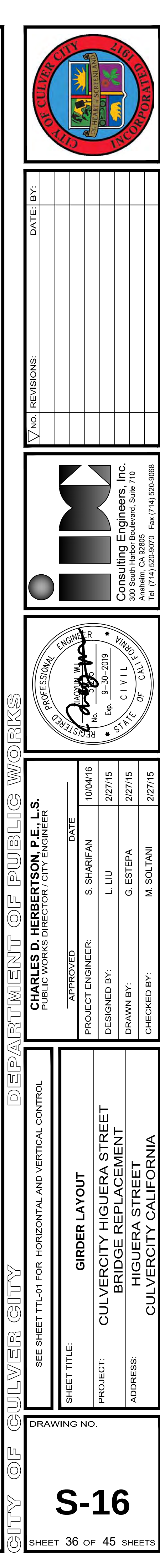
DATE:	BY:
REVISIONS:	NO.



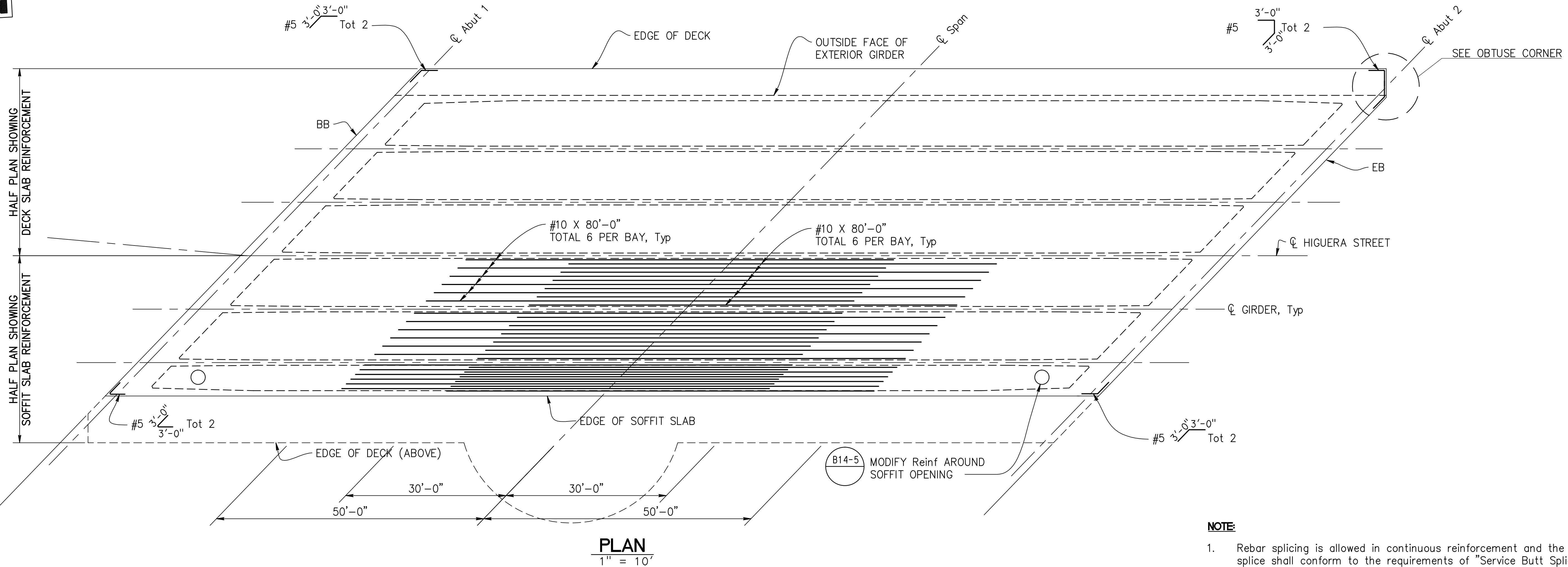
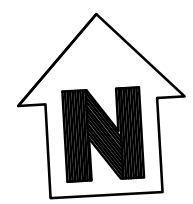
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI
	2/27/15
	2/27/15

SHEET TITLE	RETAINING WALL & RETURN WALL DETAILS
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA





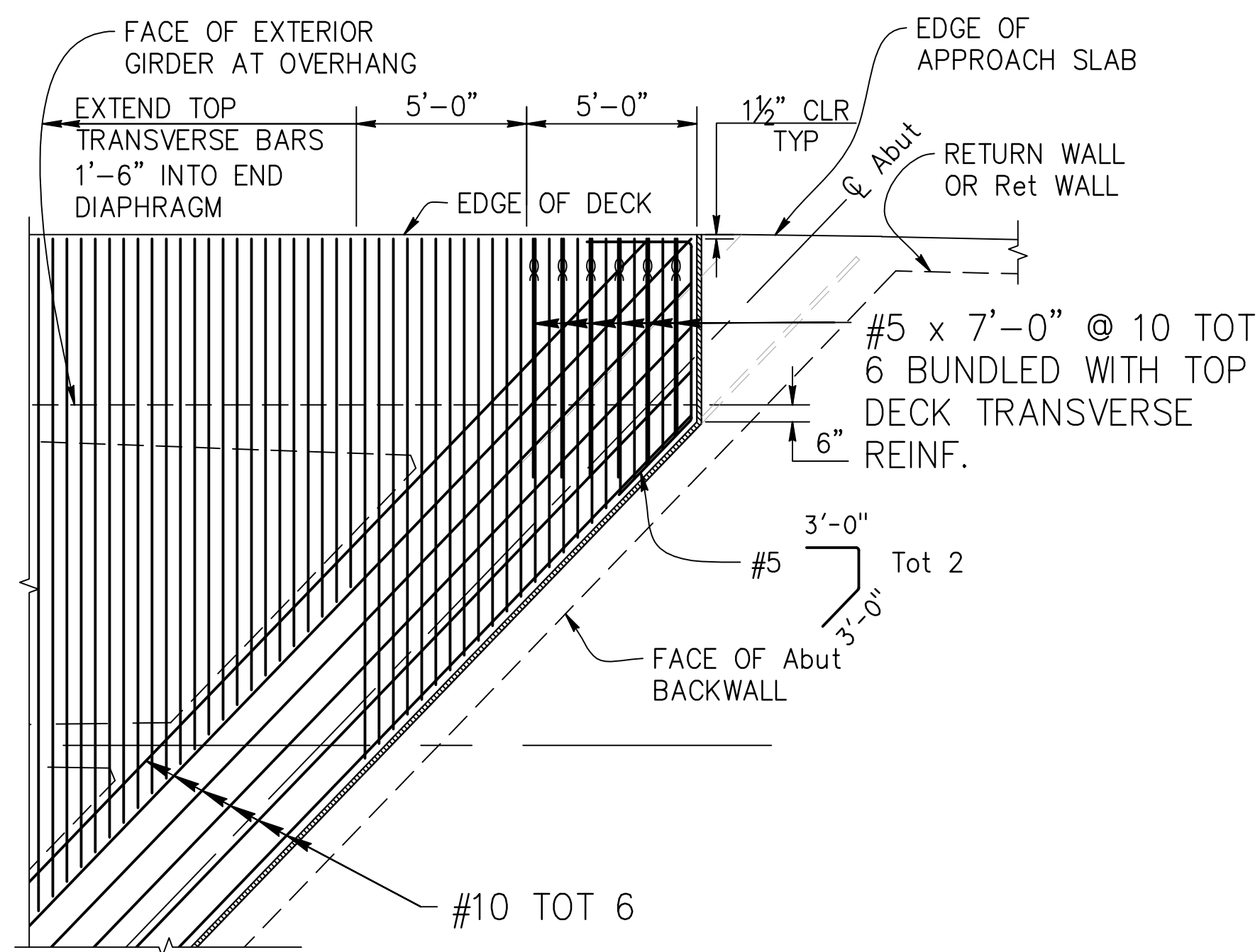
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-W-usr.dwg [Add'l Slab Reinf] Wed, 12 Jun 2019, 2:45 PM - IDCNET
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.
REVISION DATES (DESIGN STAGE ONLY)



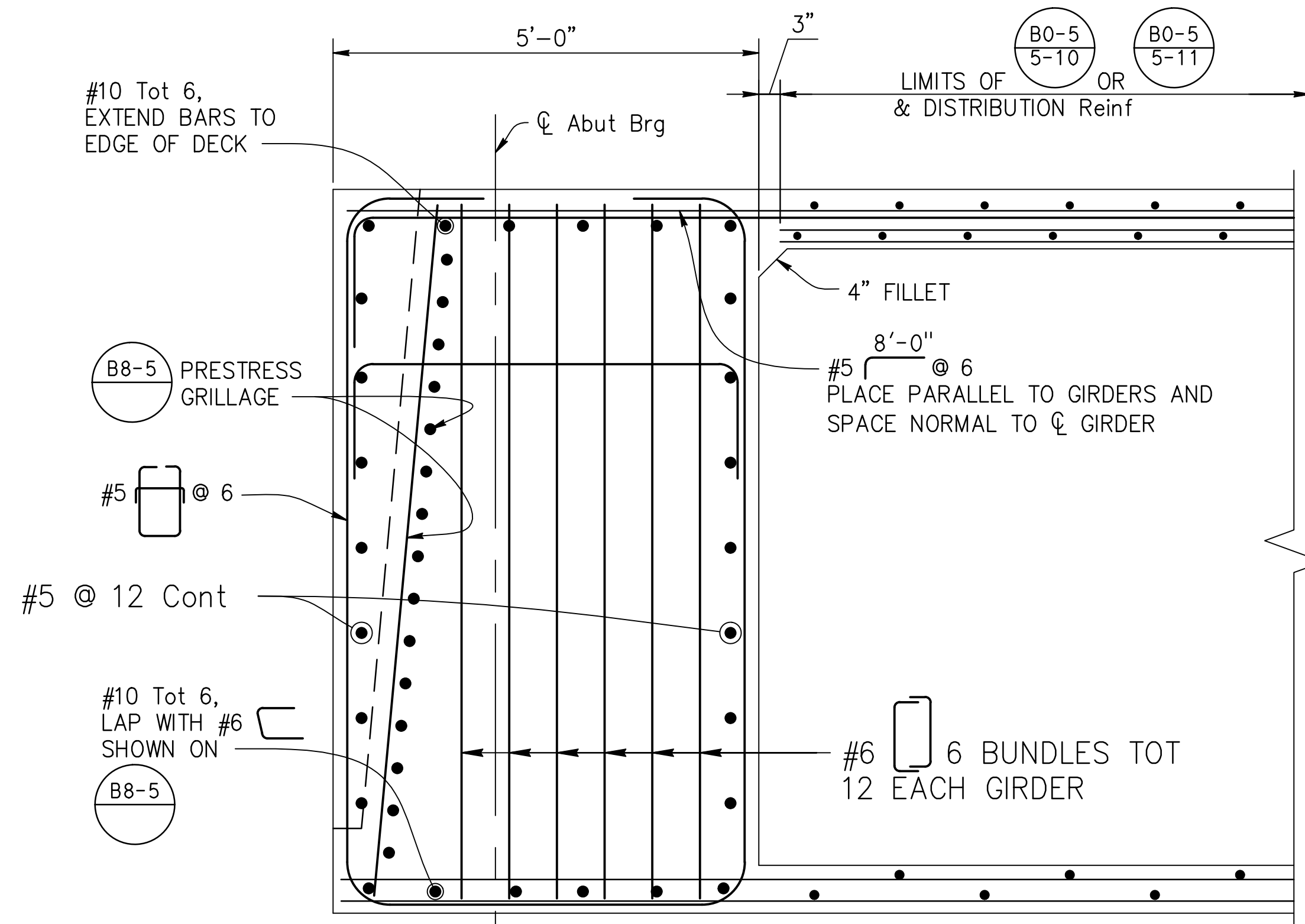
PLAN
1" = 10'

NOTE:

1. Rebar splicing is allowed in continuous reinforcement and the splice shall conform to the requirements of "Service Butt Splice".



OBTUSE CORNER DETAIL
1/4" = 1'-0"

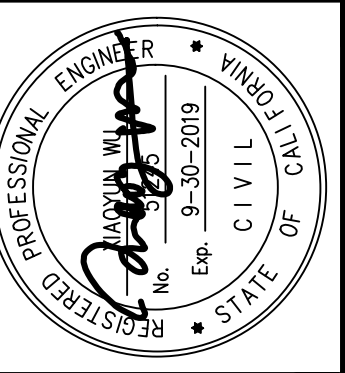
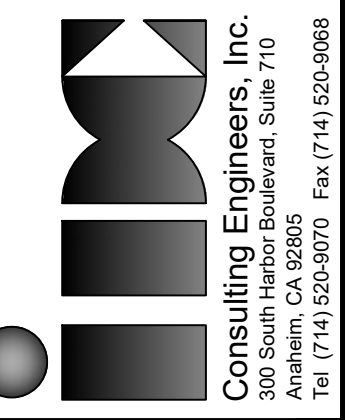


DETAIL - END DIAPHRAGM
3/4" = 1'-0"

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



DATE:	BY:
REVISIONS:	
NO	



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

SHEET TITLE	
ADDITIONAL DECK & SOFFIT REINFORCEMENT	
PROJECT:	
CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT	
ADDRESS:	
HIGUERA STREET CULVERCITY CALIFORNIA	

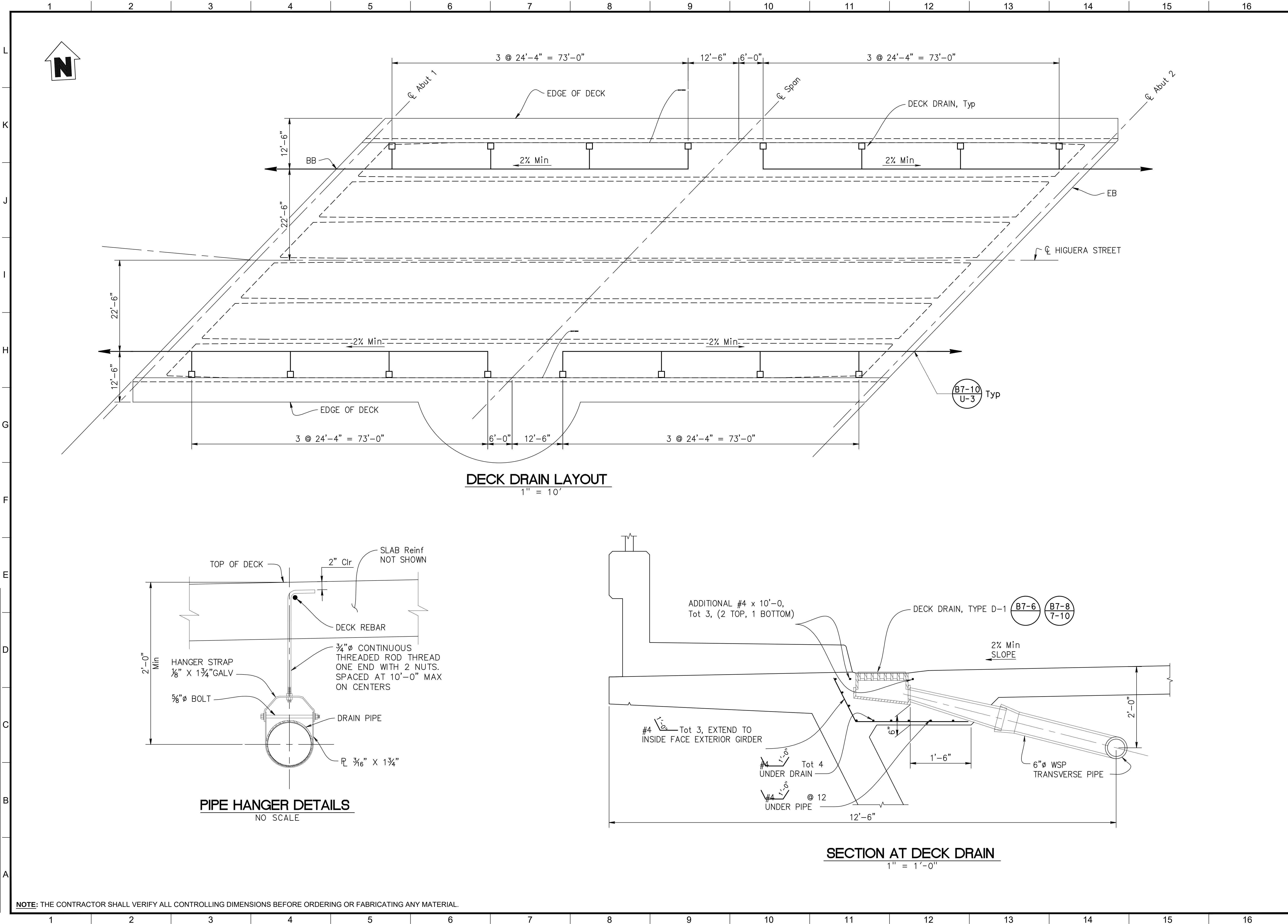
DRAWING NO.

S-17

SHEET 37 OF 45 SHEETS

Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\530876-r-1d-1e01.dwg [Deck Drain Layout] Wed, 12 Jun 2019, 2:45 PM - IDCNET
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.

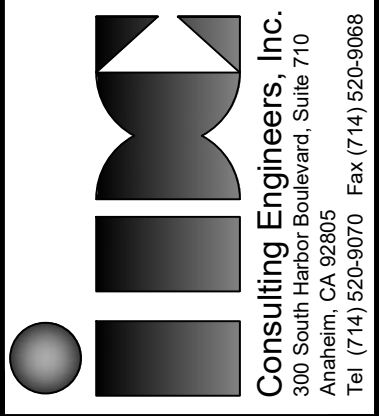
REVISION DATES
(DESIGN STAGE ONLY)



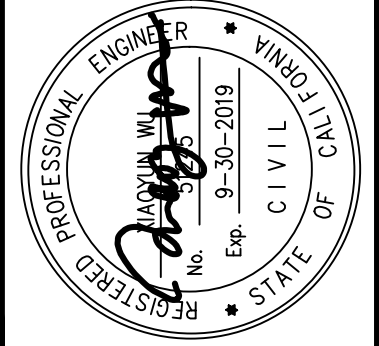
NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



NO	REVISIONS	DATE	BY



Consulting Engineers, Inc.
1000 Wilshire Blvd., Suite 110
Anaheim, CA 92805
Tel: (714) 520-9070 Fax: (714) 520-9068



REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 9-35-2019
CIVIL

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

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

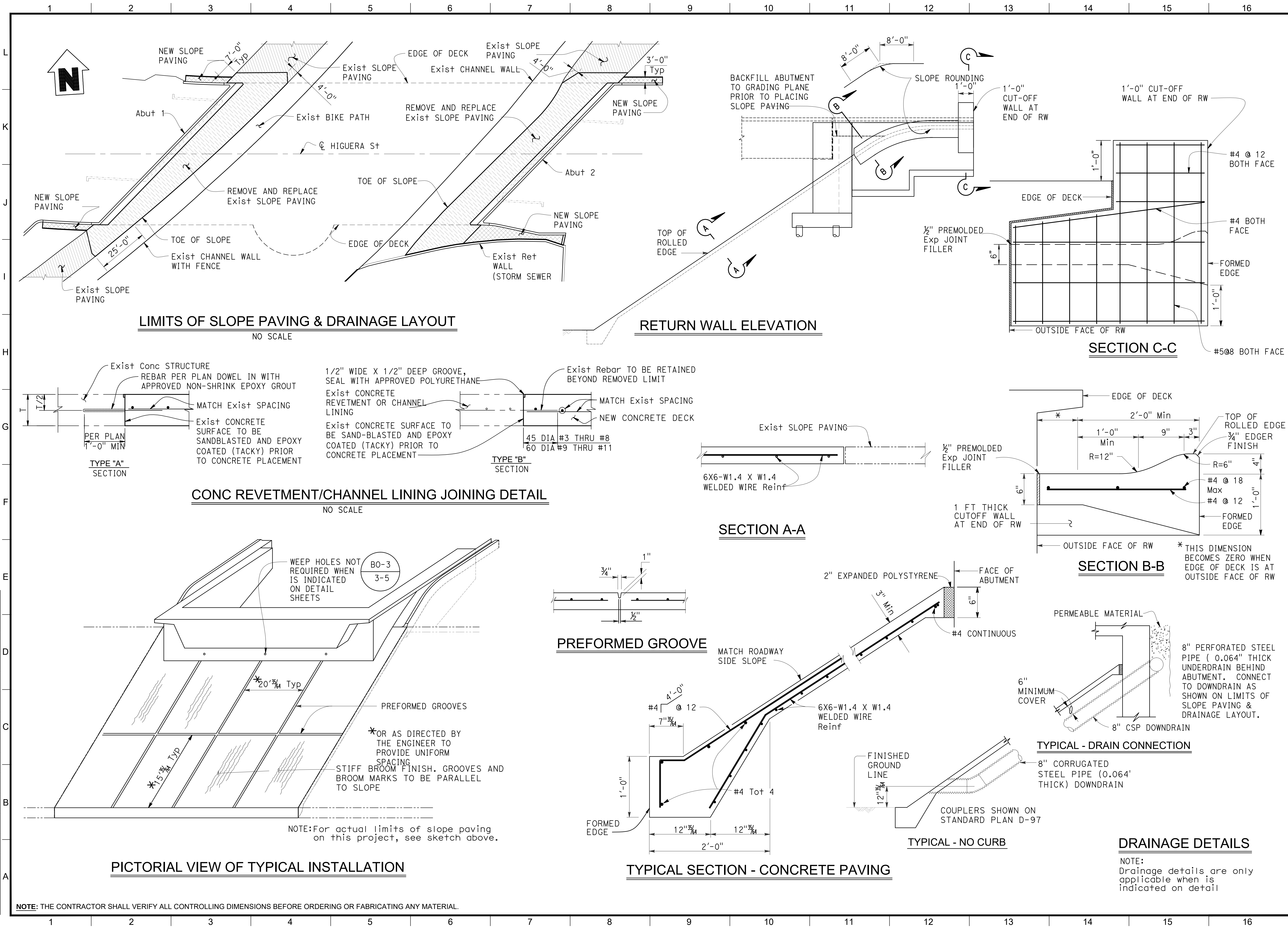
DRAWING NO.

S-18

SHEET 38 OF 45 SHEETS

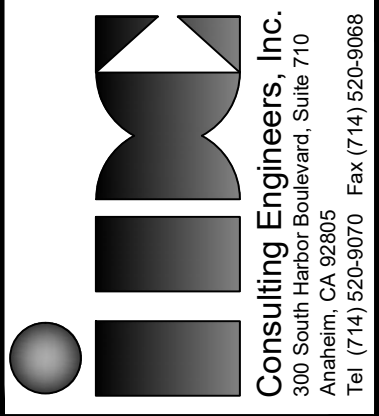
Z:\Dropbox\IDC\CA0\206-01-10_Culver_City_FINAL_Bridge\530876-6-sp.dwg [Slope Paving] Wed, 12 Jun 2019, 2:45 PM - IDCONET
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET

REVISION DATES
(DESIGN STAGE ONLY)

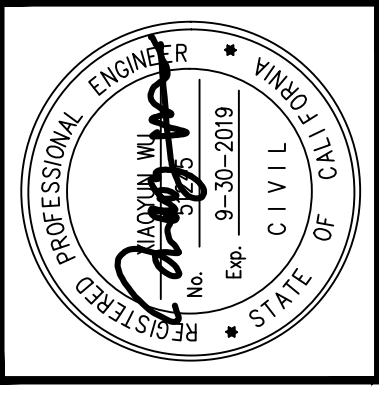




DATE:	
BY:	
REVISIONS:	
NO.	



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
S. SHARIFAN	10/04/16
L. LIU	2/27/15
G. ESTEPA	2/27/15
M. SOLTANI	2/27/15

PROJECT ENGINEER:
DESIGNED BY:
DRAWN BY:
CHECKED BY:

SHEET TITLE:	SLOPE PAVING
PROJECT:	CULVERCITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERCITY CALIFORNIA

SEE SHEET T11-01 FOR HORIZONTAL AND VERTICAL CONTROL

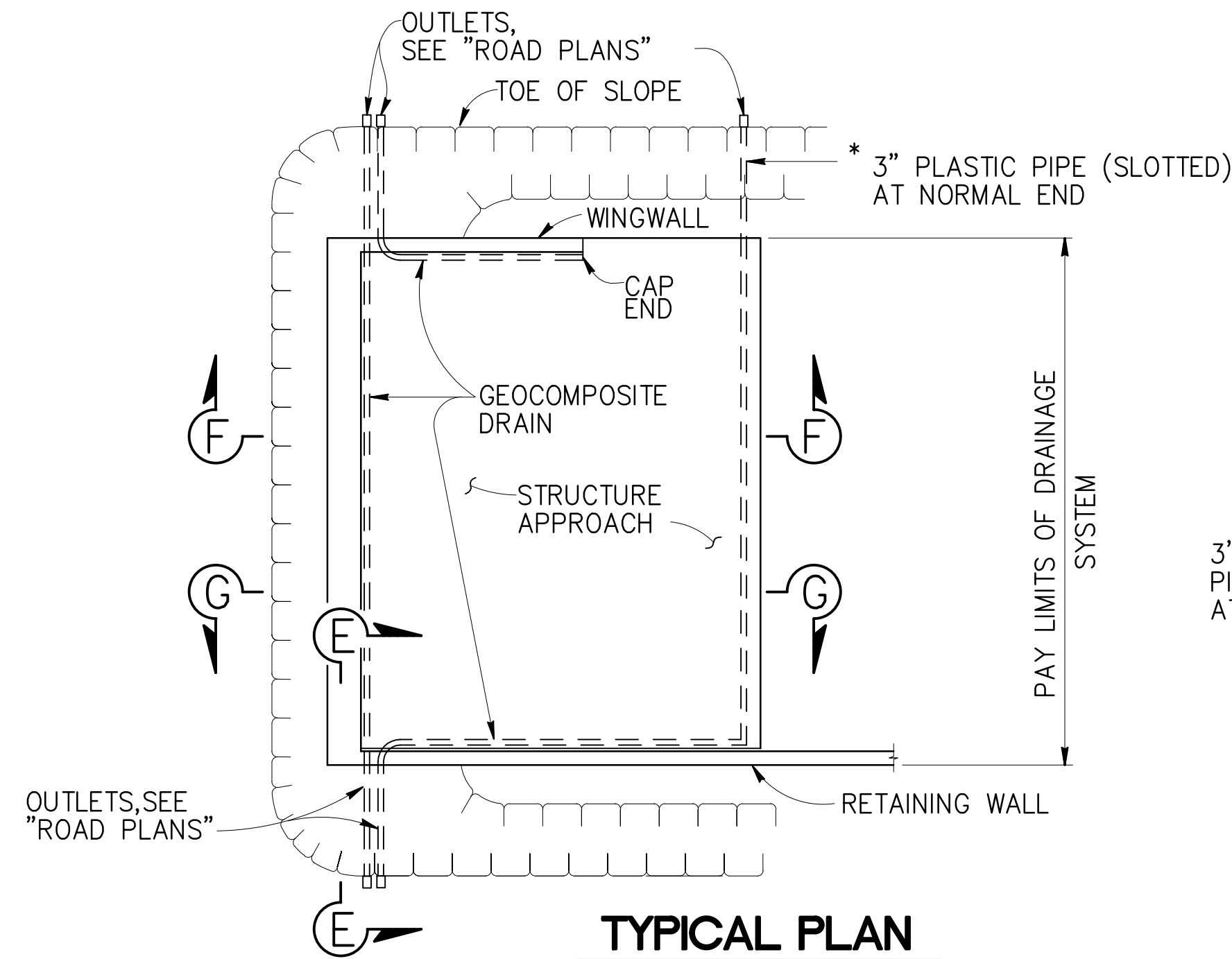
DRAWING NO.

S-19

SHEET 39 OF 45 SHEETS

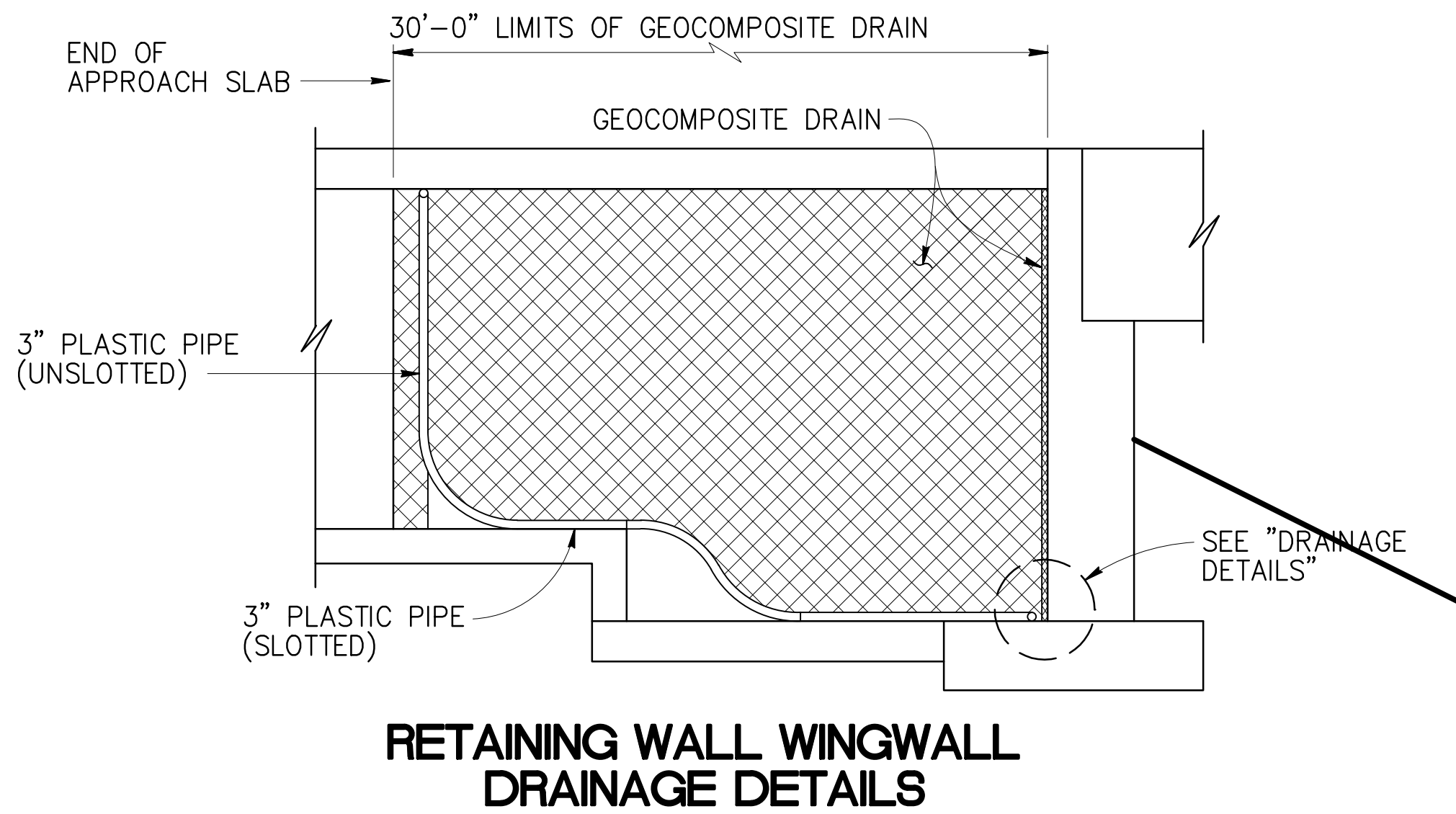
Z:\Dropbox\IDC\CAD\206-01-10_Culver_City\FINAL Bridge\53x0876-s-s.sdd_x3-110.dwg [Structure Appr. Drain Detail] Wed, 12 Jun 2019, 2:46 PM - IDONEI
THE CITY OF CULVER CITY OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES
(DESIGN STAGE ONLY)

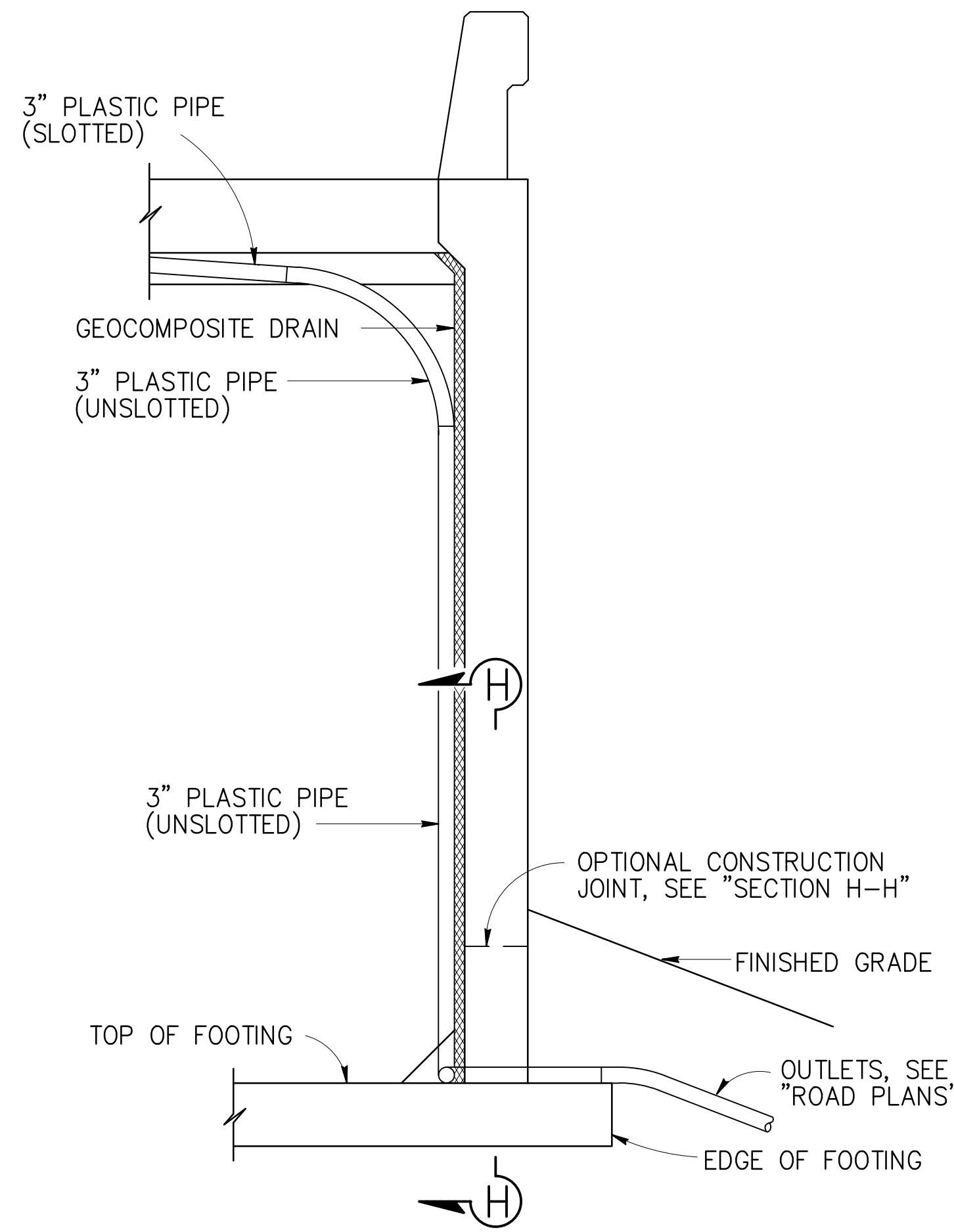


* FOR PIPE LAYOUT AT STAGGERED END, SEE "DETAIL B"

DETAIL B
No Scale

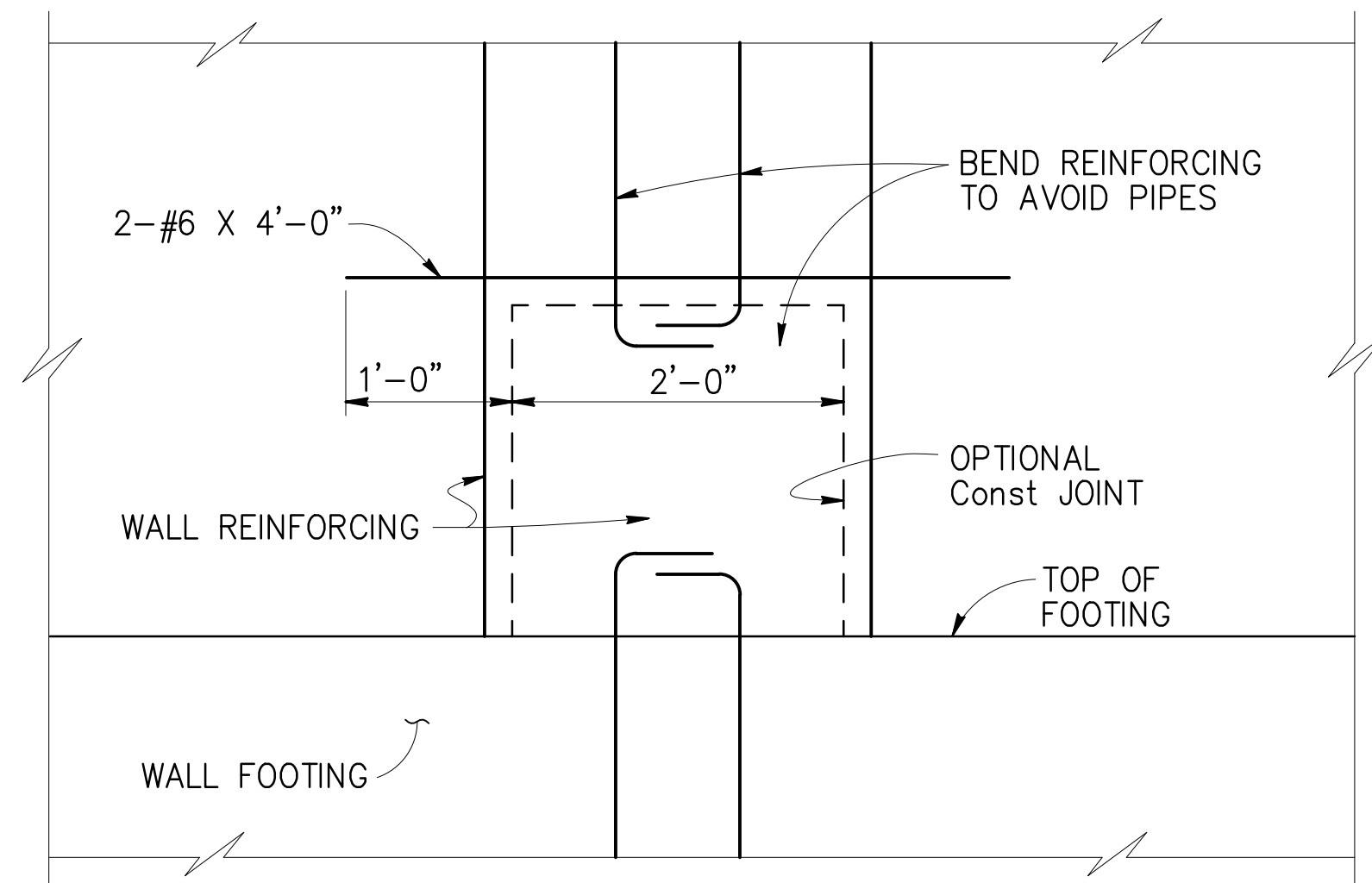


SECTION G-G
 $\frac{1}{4}'' = 1'-0''$

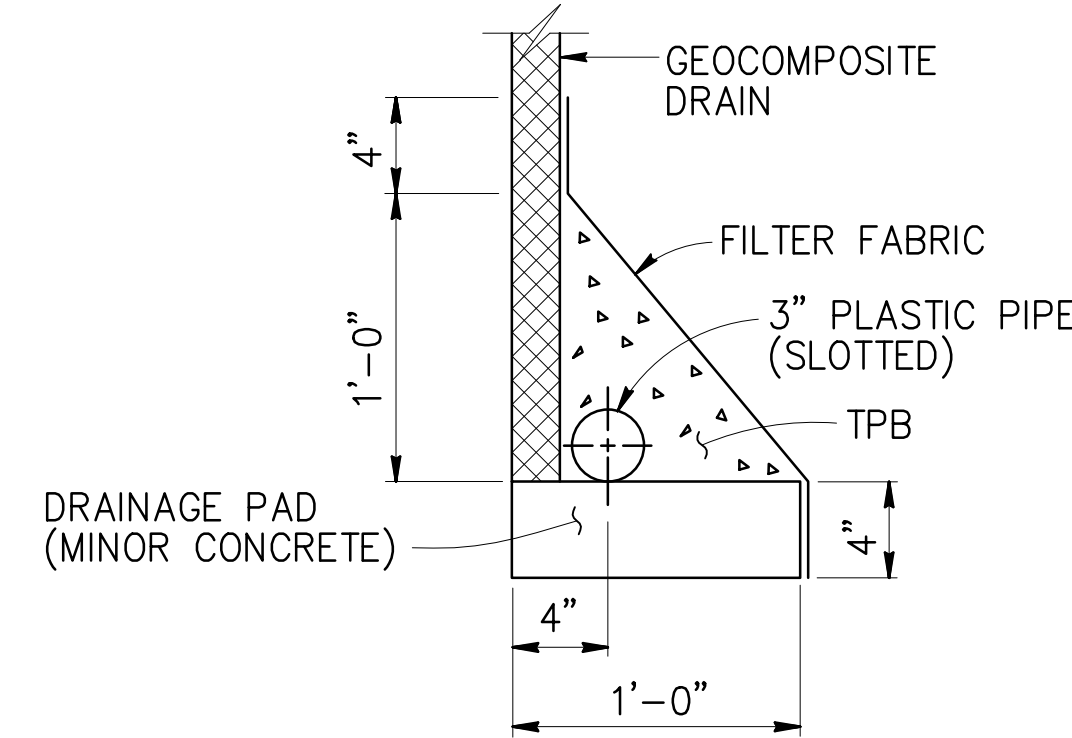


SECTION E-E
 $\frac{1}{2}'' = 1'-0''$

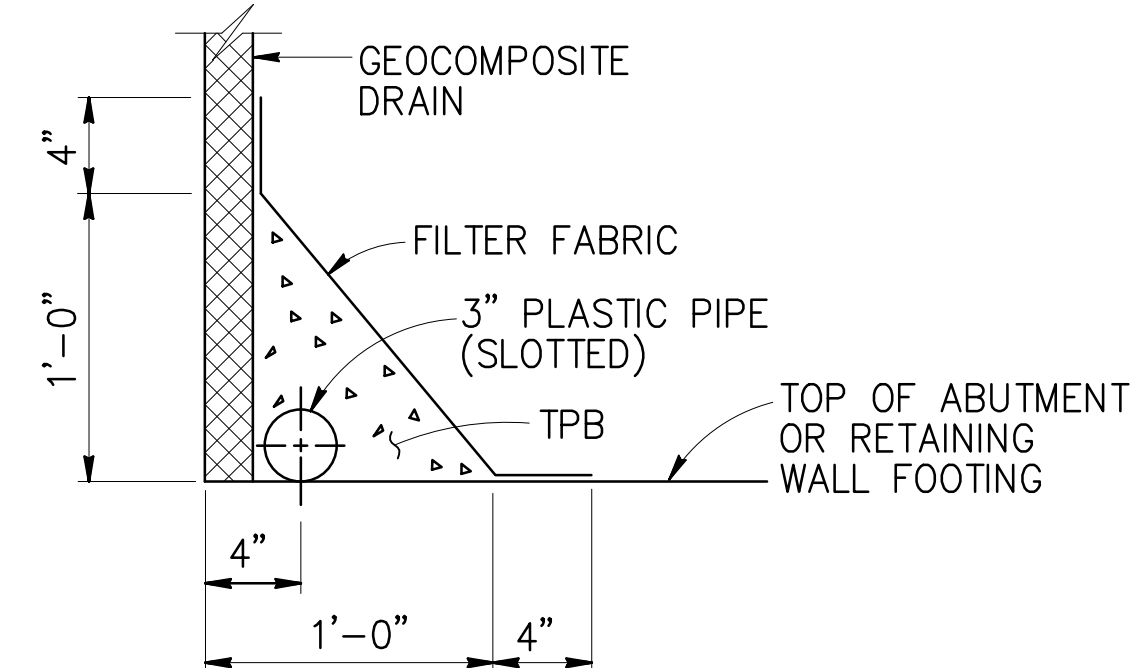
NOTE: Bends and junctions in 3" plastic pipe are 30" radius Min



SECTION H-H
 $1'' = 1'-0''$



WITHOUT FOOTING



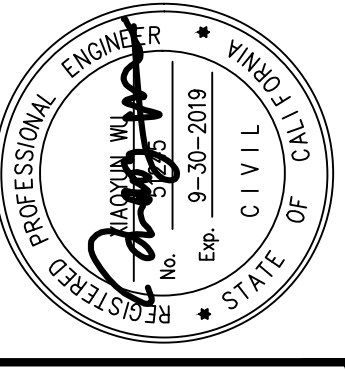
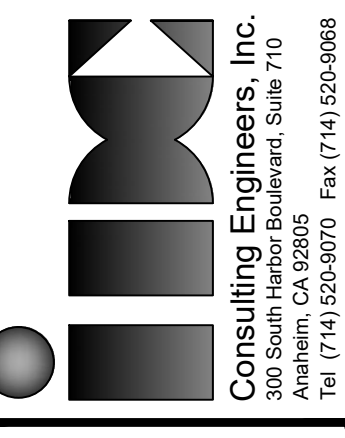
WITH FOOTING

DRAINAGE DETAILS
 $1\frac{1}{2}'' = 1'-0''$

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



DATE:	BY:
REVISIONS:	
NO	

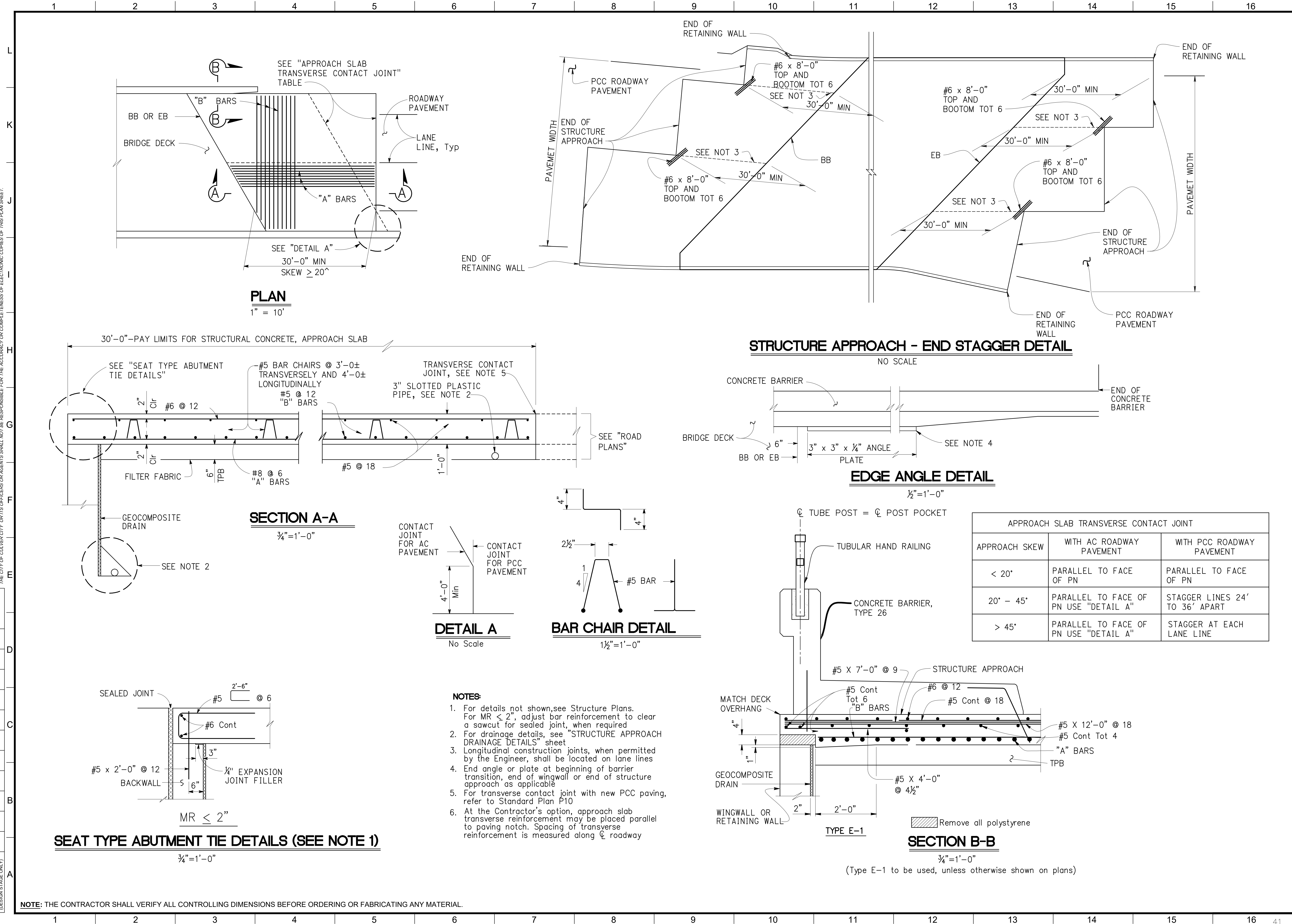


APPROVED	DATE
PROJECT ENGINEER:	10/04/16
DESIGNED BY:	2/27/15
DRAWN BY:	2/27/15
CHECKED BY:	2/27/15

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

Z:\Dropbox\IDC\CAO\206-01-10_Culver_City\FINAL Bridge\530876-x-sq_x83-120.dwg [Structure Appr. Type] Wed, 12 Jun 2019, 2:46 PM - IDCNET
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.

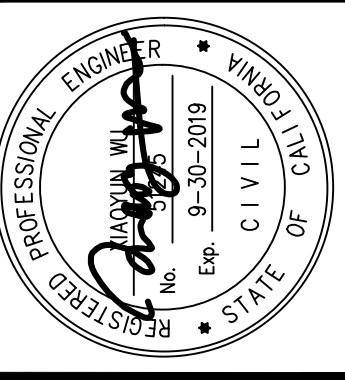
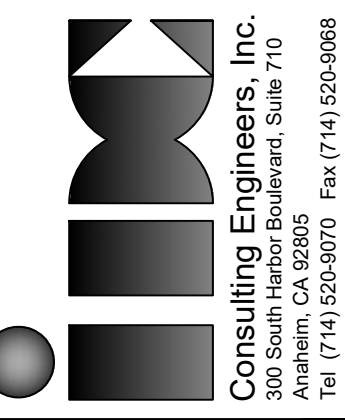
REVISION DATES
(DESIGN STAGE ONLY)



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



DATE:	BY:
REVISIONS:	
NO	



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

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

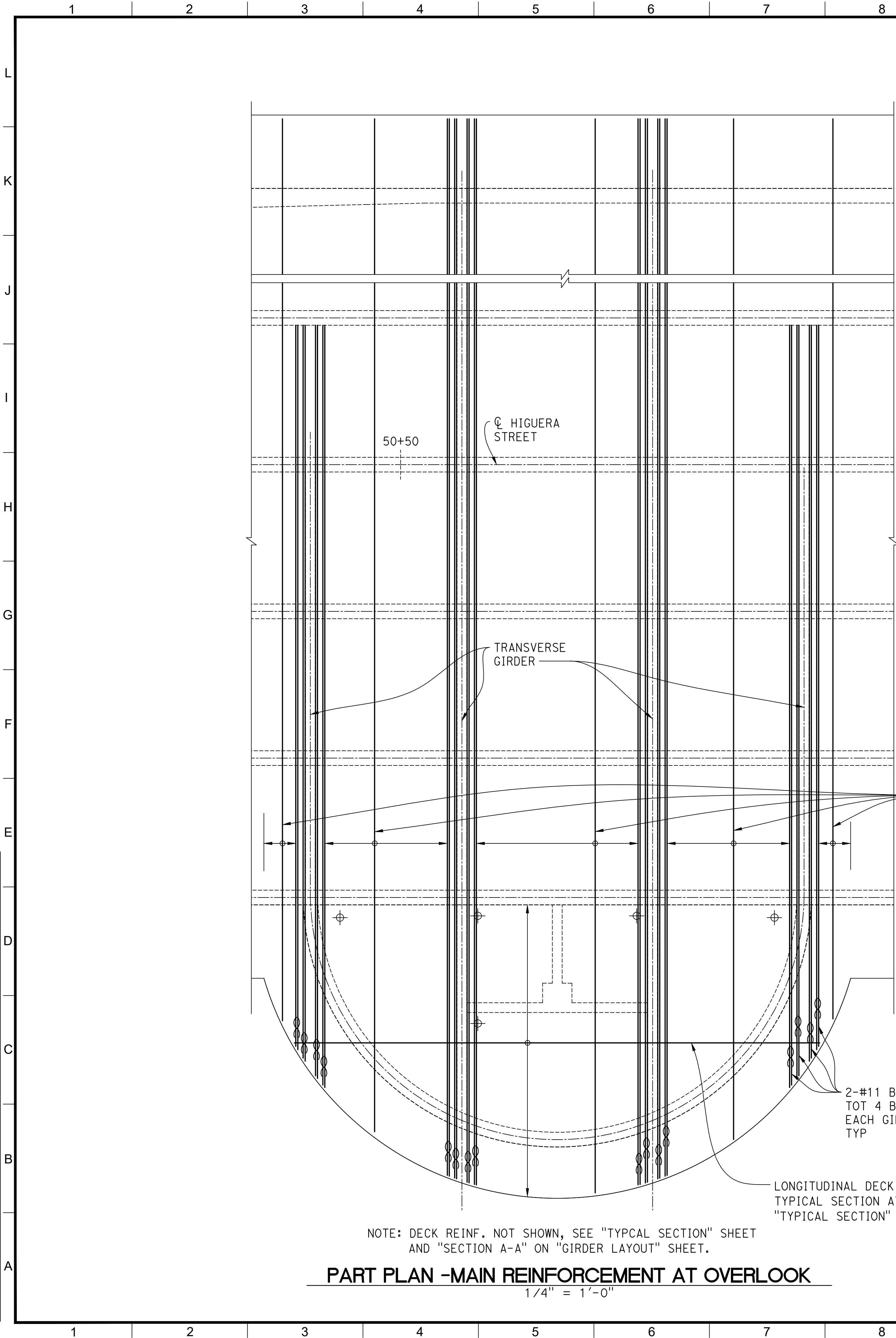
DRAWING NO.

S-21

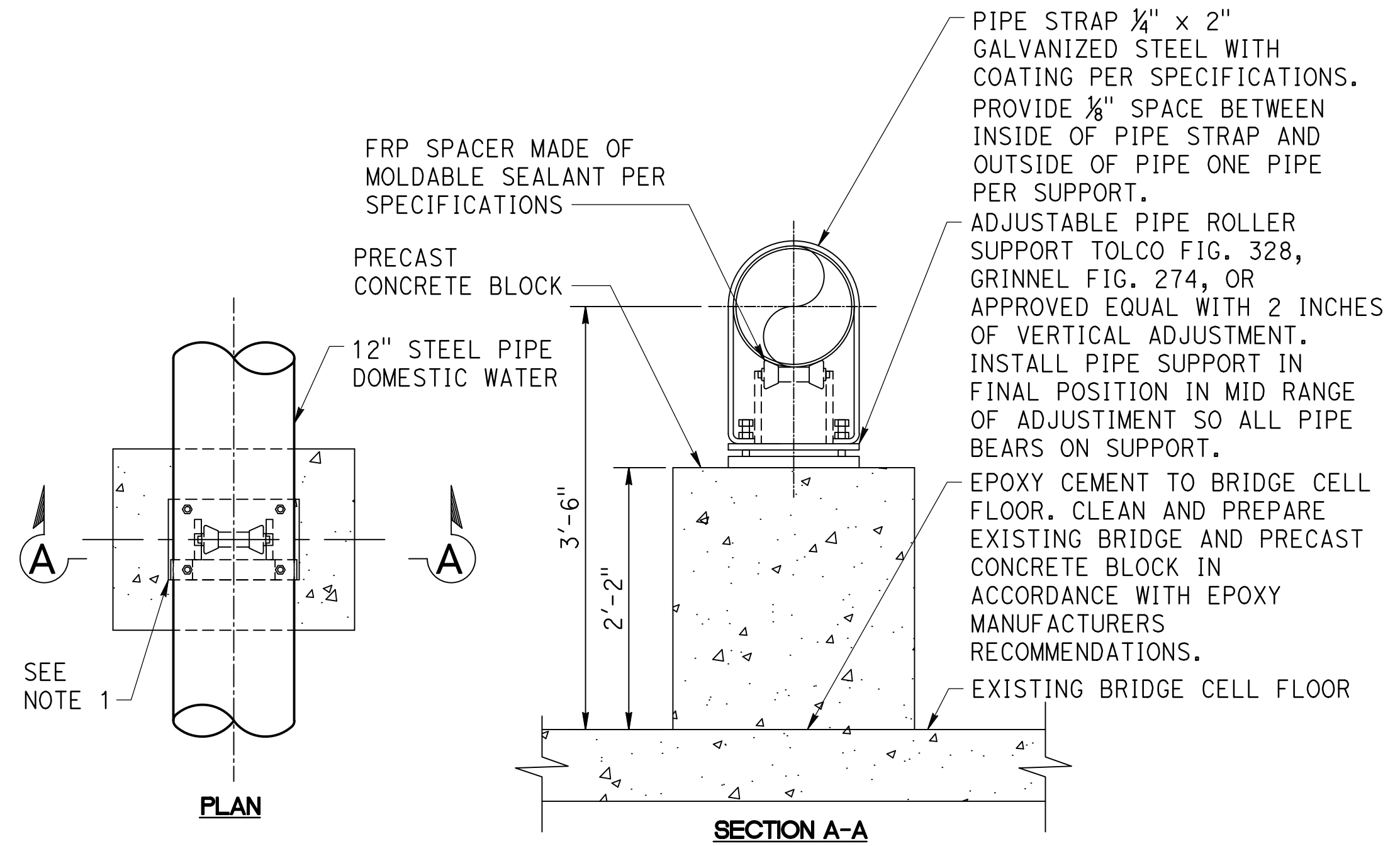
SHEET 41 OF 45 SHEETS

Z:\Dropbox\IDC\CAO\206-01-10_Culver_City\FINAL Bridge\530876-u-misc\01.dwg [Miscellaneous Details] Wed, 12 Jun, 2019, 2:47 PM - IDCNET
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)



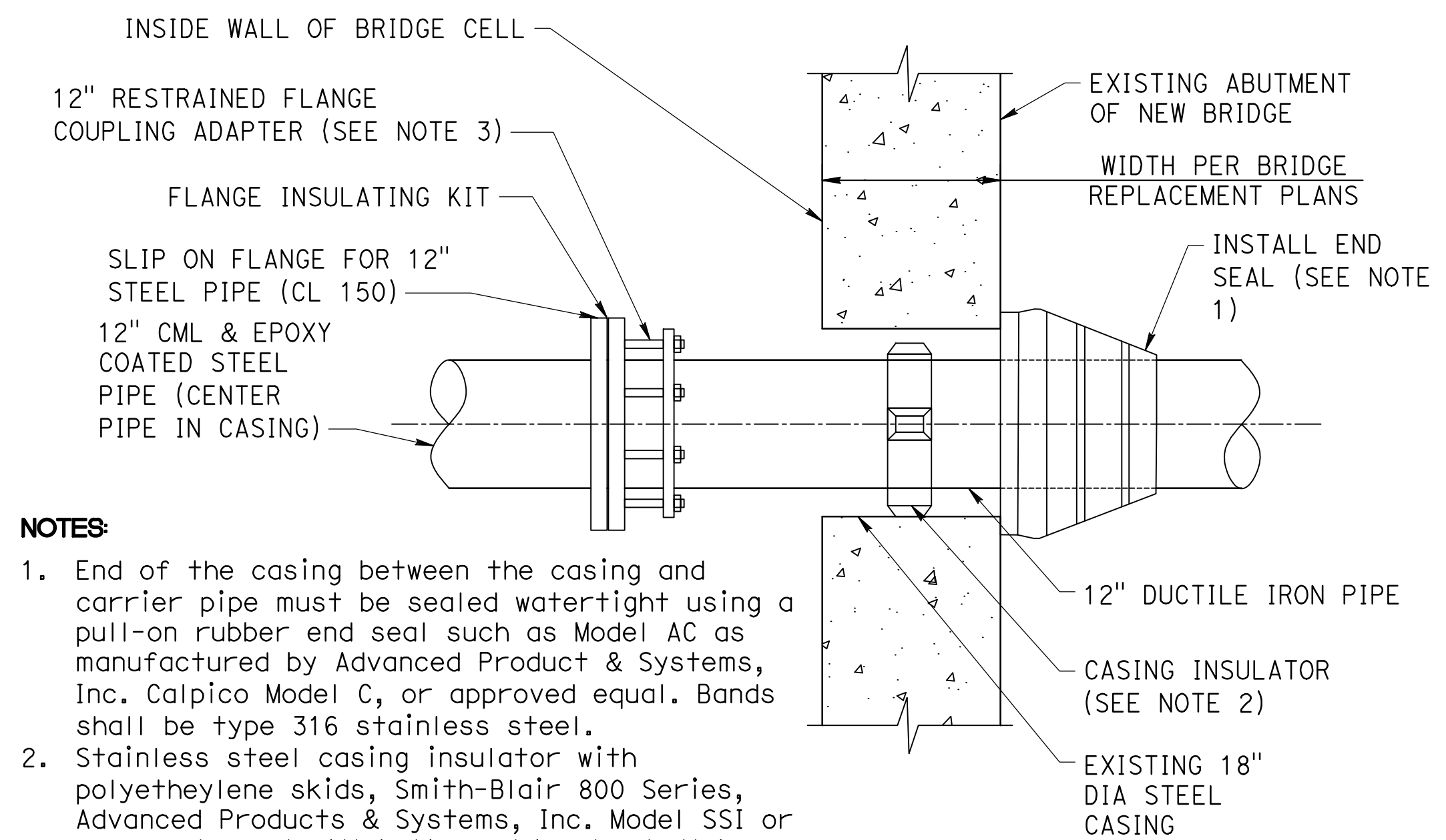
PART PLAN -MAIN REINFORCEMENT AT OVERLOOK
1/4" = 1'-0"



NOTES:

1. Pipe strap not shown for clarity.
2. Contractor may substitute Tolco Fig. 326 or Grinnel Fig. 177 pipe roller support. Submit request for substitution and product information to GSWC.
3. Supports shall be placed an average of 20' on center, 24' maximum.

DETAIL 1 - PIPE SUPPORT WITH ROLLERS
1" = 1'-0"



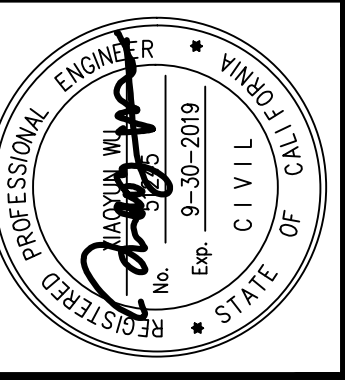
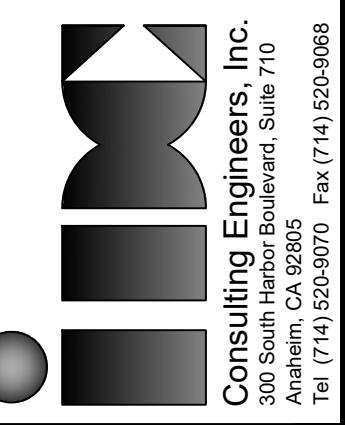
NOTES:

1. End of the casing between the casing and carrier pipe must be sealed watertight using a pull-on rubber end seal such as Model AC as manufactured by Advanced Product & Systems, Inc. Calpico Model C, or approved equal. Bands shall be type 316 stainless steel.
2. Stainless steel casing insulator with polyethylene skids, Smith-Blair 800 Series, Advanced Products & Systems, Inc. Model SSI or approved equal. All bolts and bands shall be type 304 stainless steel or better.
3. The flange adapter shall be EBAA Iron Series 2100 Megaflange or approved equal.

ABUTMENT PENETRATION
1" = 1'-0"



NO.	REVISIONS	DATE	BY



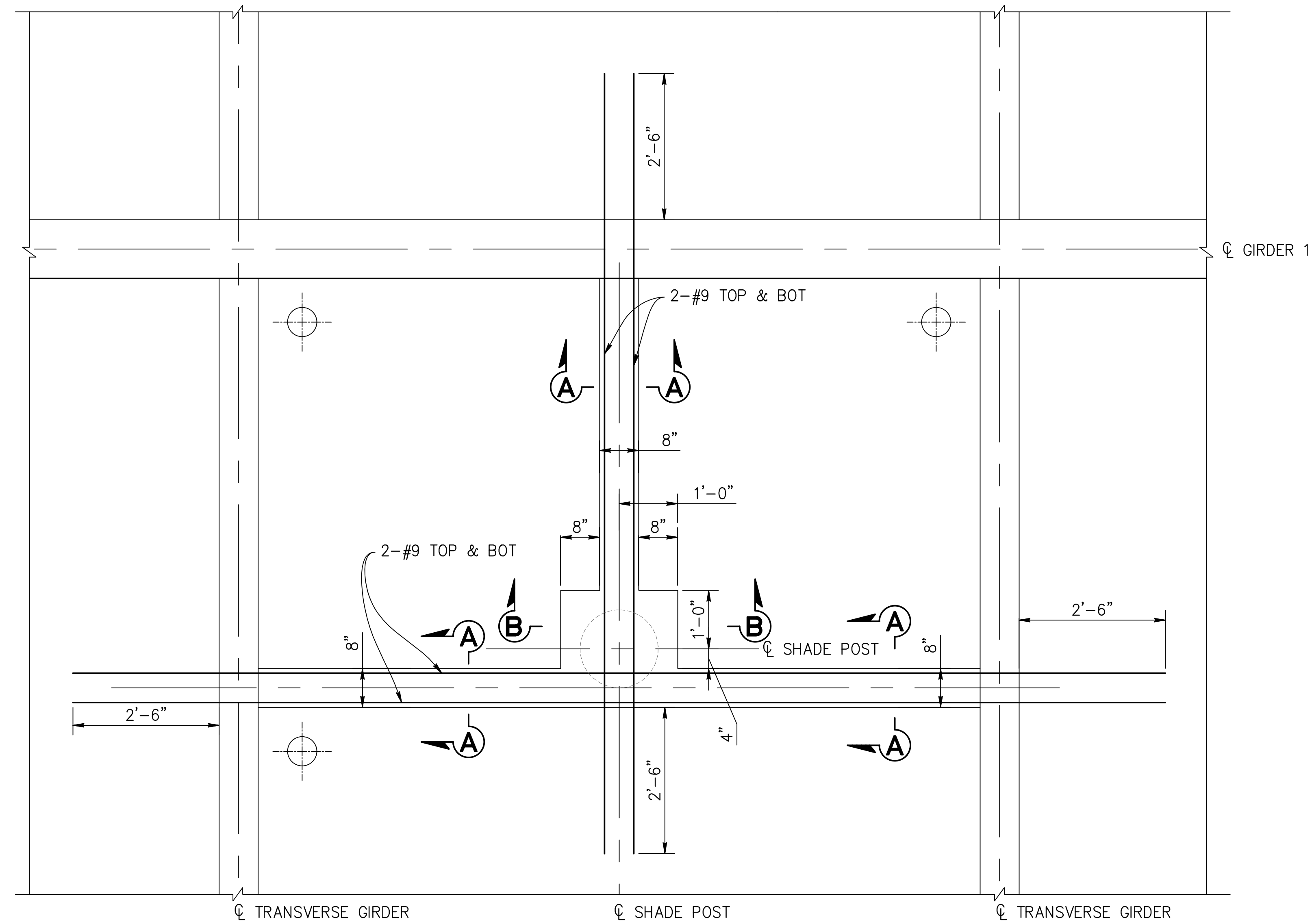
APPROVED	DATE
CHARLES D. HERBERTSON, P.E., L.S. PUBLIC WORKS DIRECTOR / CITY ENGINEER	10/04/16
PROJECT ENGINEER:	S. SHARIFAN
DESIGNED BY:	L. LIU
DRAWN BY:	G. ESTEPA
CHECKED BY:	M. SOLTANI

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

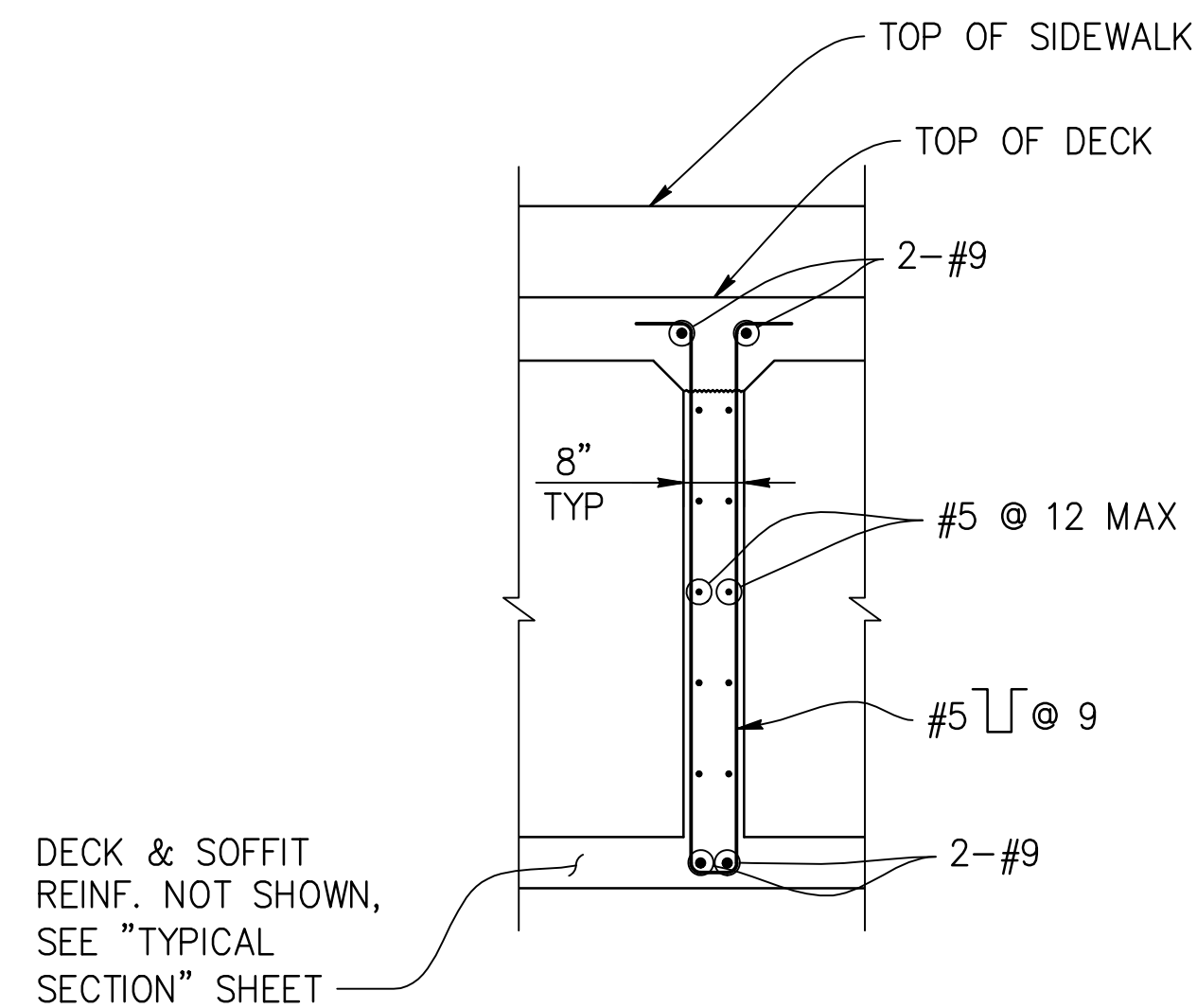
DRAWING NO.

S-22

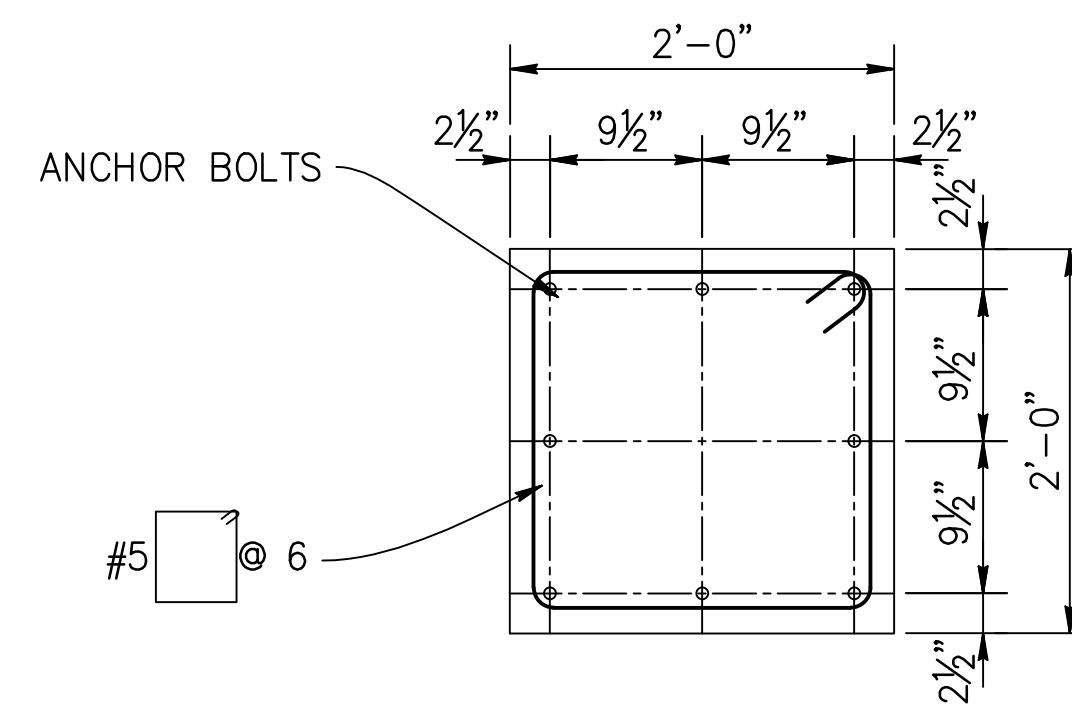
SHEET 42 OF 45 SHEETS

[illegible]

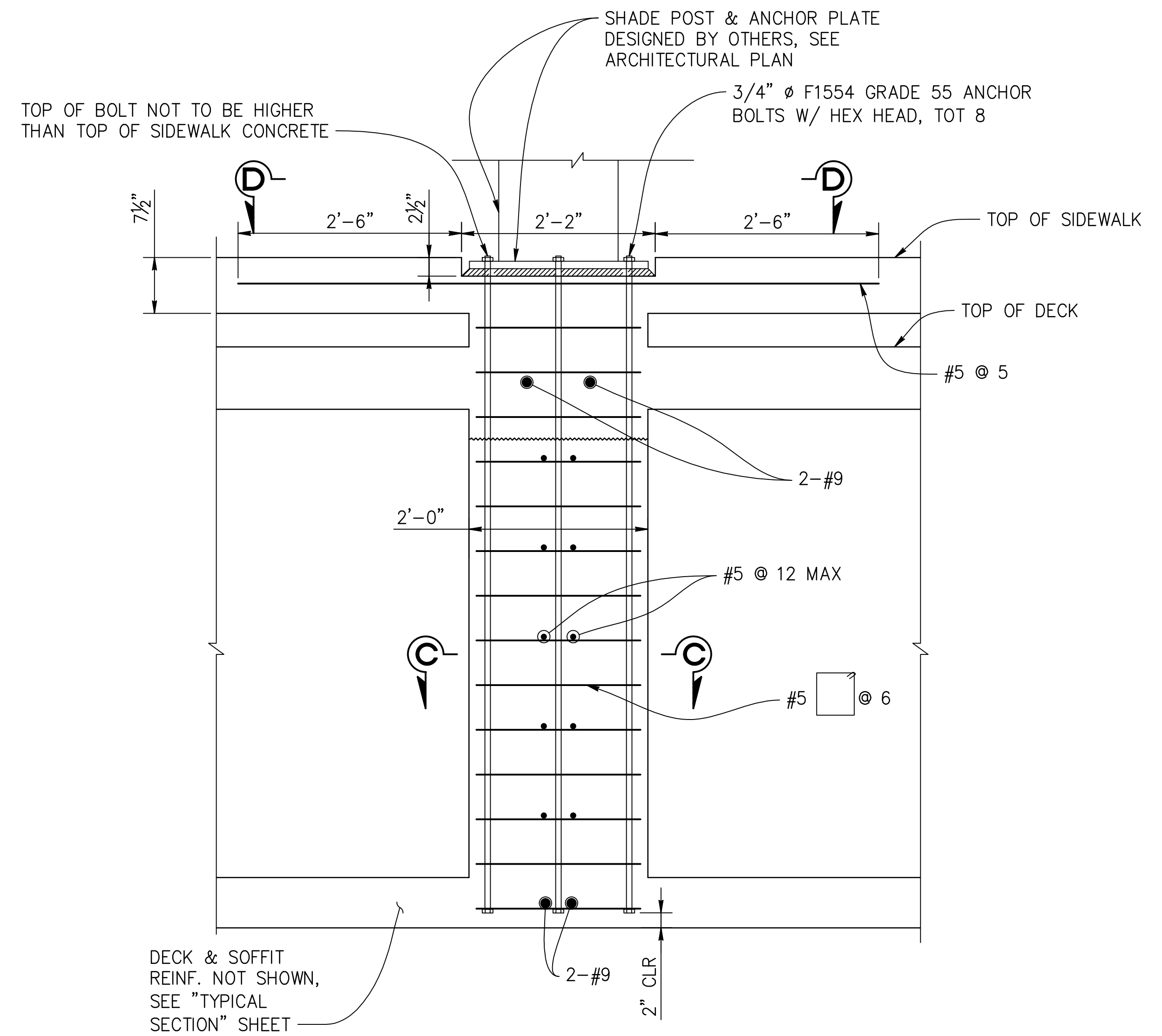
PLAN AT SHADE POST
3/4" = 1'-0"



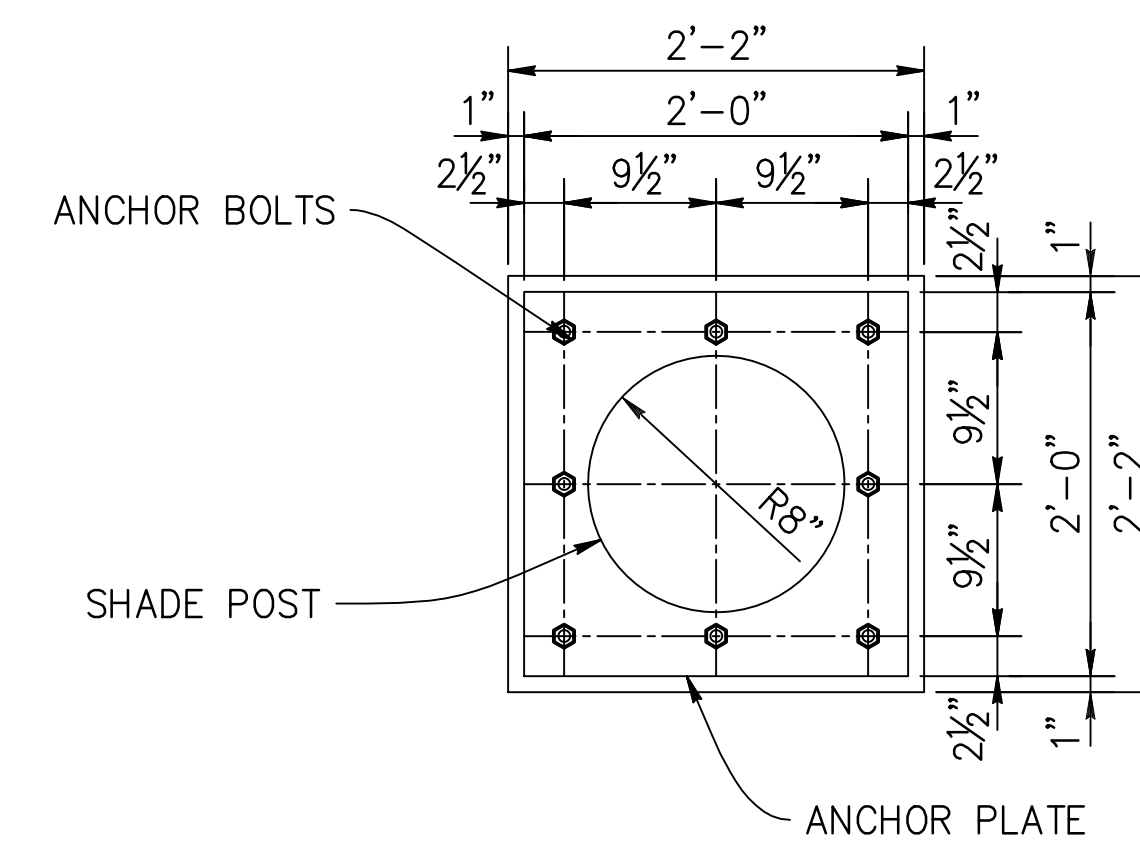
SECTION A-A
NO SCALE



SECTION C-C
1" = 1'-0"

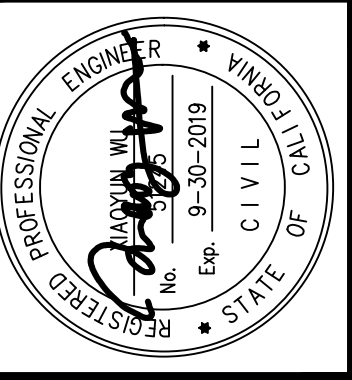
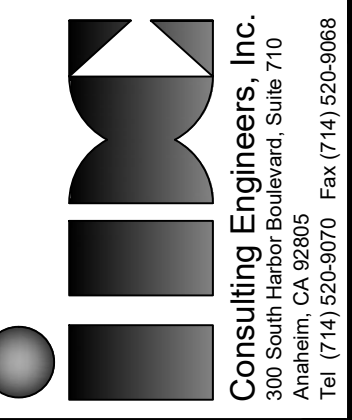


SECTION B-B
NO SCALE



SECTION D-D
1" = 1'-0"

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

[illegible]

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 T11-01 FOR HORIZONTAL AND VERTICAL CONTROL	
SHEET TITLE:	MISCELLANEOUS DETAILS NO.2
PROJECT:	CULVERTITY HIGUERA STREET BRIDGE REPLACEMENT
ADDRESS:	HIGUERA STREET CULVERTITY CALIFORNIA

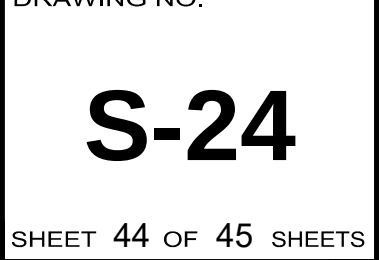
DRAWING NO.

S-23

SHEET 43 OF 45 SHEETS

Notes:

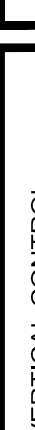
- (1) 1.4-inch samples were taken using a SPT sampler with an inside diameter (I.D.) of 1.4" and an outside diameter (O.D.) of 2".
- (2) 2.4-inch samples were taken using a California sampler with an inside diameter (I.D.) of 2.4" with an outside diameter (O.D.) of 3.25" and lined with brass rings.
- (3) Both samplers were driven using a 140-pound automatic trip hammer falling a distance of 30 inches.



[illegible]

Notes:

- 1) 1.4-inch samples were taken using a SPT sampler with an inside diameter (I.D.) of 1.4" and an outside diameter (O.D.) of 2".
- 2) 2.4-inch samples were taken using a California sampler with an inside diameter (I.D.) of 2.4" with an outside diameter (O.D.) of 3.25" and lined with brass rings.
- 3) Both samplers were driven using a 140-pound automatic trip hammer falling a distance of 30 inches.

		DATE: BY:	
		REVISIONS:	
		NO.	
		DATE:	
		NO.	
		DATE:	
		NO.	
		DATE:	
		NO.	
		DATE:	