

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- COORDINATES, DISTANCES AND BEARINGS SHOWN ARE BASED ON CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 5, (1991.35) EPOCH DATE. MULTIPLY DISTANCE SHOWN BY 1.00007047 TO OBTAIN GROUND LEVEL DISTANCES.
- ELEVATIONS SHOWN ARE BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) IN FEET.
- FOR PAVEMENT STRUCTURAL SECTION TYPES, SEE PAVEMENT STRUCTURAL SECTIONS TYPICAL CROSS SECTIONS SHEET X-1.
- FOR CONTOUR GRADING, SEE CONTOUR GRADING SHEETS.
- CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- CONSTRUCT POLB CURB, COMBINED C&G, PER THE POLB STANDARD PLAN ST-2 AND ST-3.
- FENCE AT R/W NOT A PART OF THIS RFC PACKAGE. FENCE LOCATIONS WILL BE FINALIZED IN A SEPARATE SUBMITTAL.
- FOR MVP DETAILS, SEE CONSTRUCTION DETAILS SHEETS.
- FOR POLB C&G Mod1, POLB C&G Mod2, POLB C&G Mod3 DETAILS, SEE CONSTRUCTION DETAILS SHEETS.
- FOR ALL FENCING ON TOP OF RETAINING WALLS, USE CABLE LINK RAILING PER B11-7. ALL OTHER FENCING TO BE TYPE CL-6, UNLESS SPECIFIED AS CL-4.
- GATES TO BE 12 FT WIDE UNLESS OTHERWISE NOTED.

LEGEND:

- (No.) CURVE DATA
- [No.] STRUCTURAL SECTION NUMBER
- [VC] VEGETATION CONTROL (MINOR CONCRETE)
- ☐ CENTER LINE
- [Hatched] CONTRASTING GORE PAVING
- [Dotted] COLD PLANE AC PAVEMENT AND HMA OVERLAY (0.20' TO 1.00')
- [Square] DETECTABLE WARNING SURFACE
- [Wavy] NOT A PART OF THIS RFC APPROVAL

ABBREVIATIONS:

- AFTS ALTERNATIVE FLARED TERMINAL SYSTEM
- AITS ALTERNATIVE IN-LINE TERMINAL SYSTEM
- Appr S APPROACH SLAB
- Barr BARRIER
- C&G CURB AND GUTTER
- EAA END ANCHOR ASSEMBLY
- LSS LIMIT OF STRUCTURAL SECTION
- MVP MAINTENANCE VEHICLE PULLOUT
- PNT POINT
- POLB THE PORT OF LONG BEACH
- w/ WITH

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

08-19-16
REGISTERED CIVIL ENGINEER DATE

05/05/2017
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SF1 - SHIMMICK/FCC/IMPREGILO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	2/6/15	ISSUE WITH NDC 38

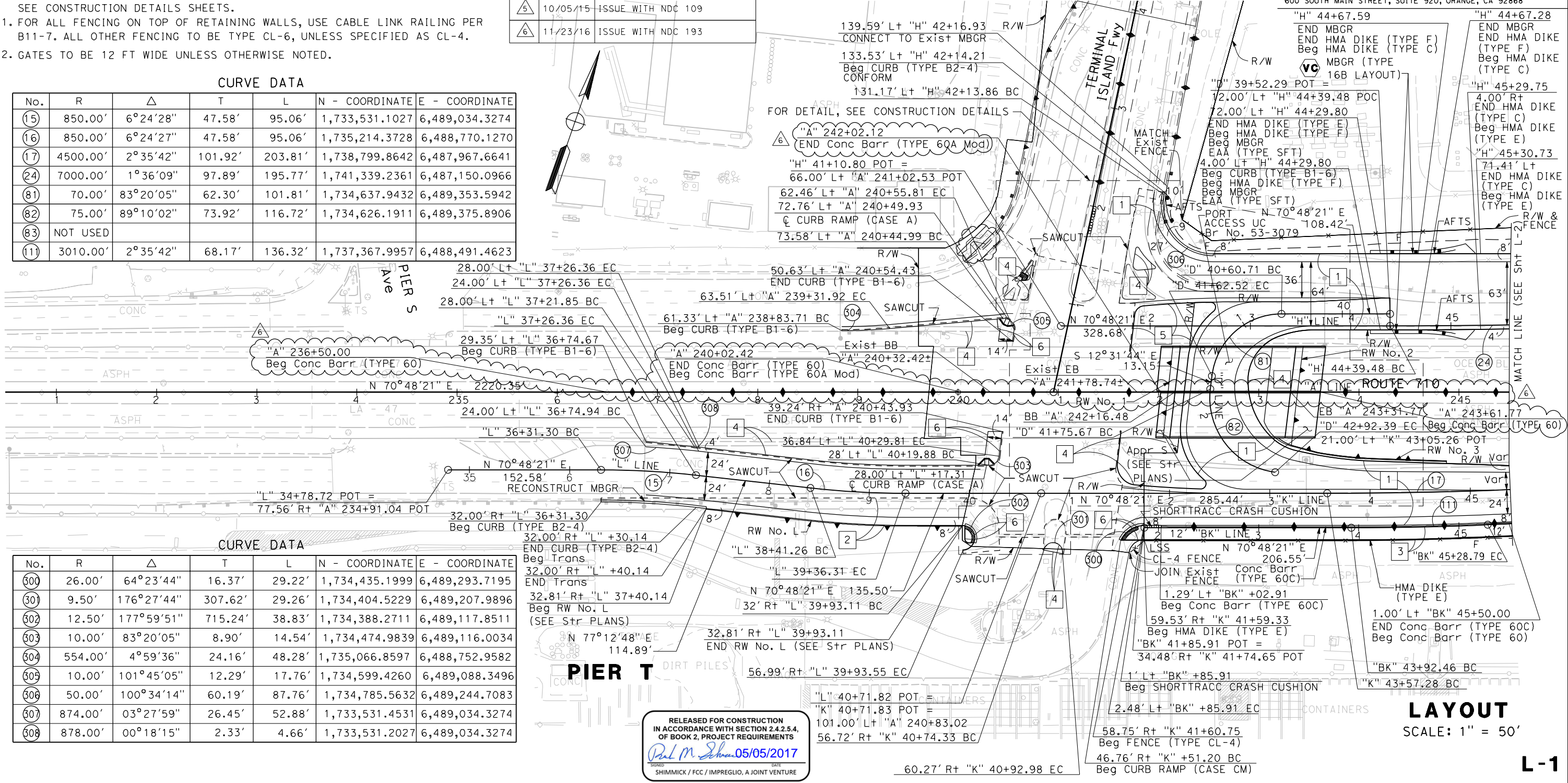
MARK	DATE	REVISION(S) DESCRIPTIONS	MARK	DATE	REVISION(S) DESCRIPTIONS
4	10/14/15	ISSUE WITH NDC 101	3	03/11/15	ISSUE WITH NDC 71
5	10/05/15	ISSUE WITH NDC 109			
6	11/23/16	ISSUE WITH NDC 193			

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
15	850.00'	6°24'28"	47.58'	95.06'	1,733,531.1027	6,489,034.3274
16	850.00'	6°24'27"	47.58'	95.06'	1,735,214.3728	6,488,770.1270
17	4500.00'	2°35'42"	101.92'	203.81'	1,738,799.8642	6,487,967.6641
24	7000.00'	1°36'09"	97.89'	195.77'	1,741,339.2361	6,487,150.0966
81	70.00'	83°20'05"	62.30'	101.81'	1,734,637.9432	6,489,353.5942
82	75.00'	89°10'02"	73.92'	116.72'	1,734,626.1911	6,489,375.8906
83	NOT USED					
11	3010.00'	2°35'42"	68.17'	136.32'	1,737,367.9957	6,488,491.4623

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
300	26.00'	64°23'44"	16.37'	29.22'	1,734,435.1999	6,489,293.7195
301	9.50'	176°27'44"	307.62'	29.26'	1,734,404.5229	6,489,207.9896
302	12.50'	177°59'51"	715.24'	38.83'	1,734,388.2711	6,489,117.8511
303	10.00'	83°20'05"	8.90'	14.54'	1,734,474.9839	6,489,116.0034
304	554.00'	4°59'36"	24.16'	48.28'	1,735,066.8597	6,488,752.9582
305	10.00'	101°45'05"	12.29'	17.76'	1,734,599.4260	6,489,088.3496
306	50.00'	100°34'14"	60.19'	87.76'	1,734,785.5632	6,489,244.7083
307	874.00'	03°27'59"	26.45'	52.88'	1,733,531.4531	6,489,034.3274
308	878.00'	00°18'15"	2.33'	4.66'	1,733,531.2027	6,489,034.3274



RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4
OF BOOK 2, PROJECT REQUIREMENTS

Paul M. Schwan 05/05/2017

SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

LAYOUT
SCALE: 1" = 50'

L-1

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
1	5000.00'	8°18'16"	362.99'	724.70'	1,739,519.3472	6,488,206.3943
17	4500.00'	2°35'42"	101.92'	203.81'	1,738,799.8642	6,487,967.6641
18	1000.00'	11°28'53"	100.53'	200.39'	1,735,924.6232	6,490,171.8583
21	1000.00'	5°46'33"	50.45'	100.81'	1,735,911.9573	6,490,282.3499
24	7000.00'	1°36'09"	97.89'	195.77'	1,741,339.2361	6,487,150.0966
25	4965.00'	1°49'59"	79.43'	158.85'	1,739,700.9594	6,488,568.0983
26	1500.00'	9°05'43"	119.31'	238.11'	1,736,420.3066	6,489,621.7261
10	5011.00'	8°18'16"	363.79'	726.30'	1,739,525.0378	6,488,222.7411
102	4989.00'	8°18'16"	362.19'	723.11'	1,739,513.6565	6,488,190.0475
11	1000.00'	4°52'08"	42.52'	84.98'	1,733,851.3623	6,490,497.4581
113	1034.00'	2°35'59"	23.46'	46.92'	1,735,911.9573	6,490,282.3499
114	1033.15'	8°12'04"	74.07'	147.88'	1,735,924.6232	6,490,171.8583

FOR PORT STREETS
ROADWAY, SEE SHEET L-2A

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
SIGNED: *Paul M. Shimmick* 05/05/2017
DATE: 05/05/2017
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

04-18-14 DATE
REGISTERED CIVIL ENGINEER
05/05/2017
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

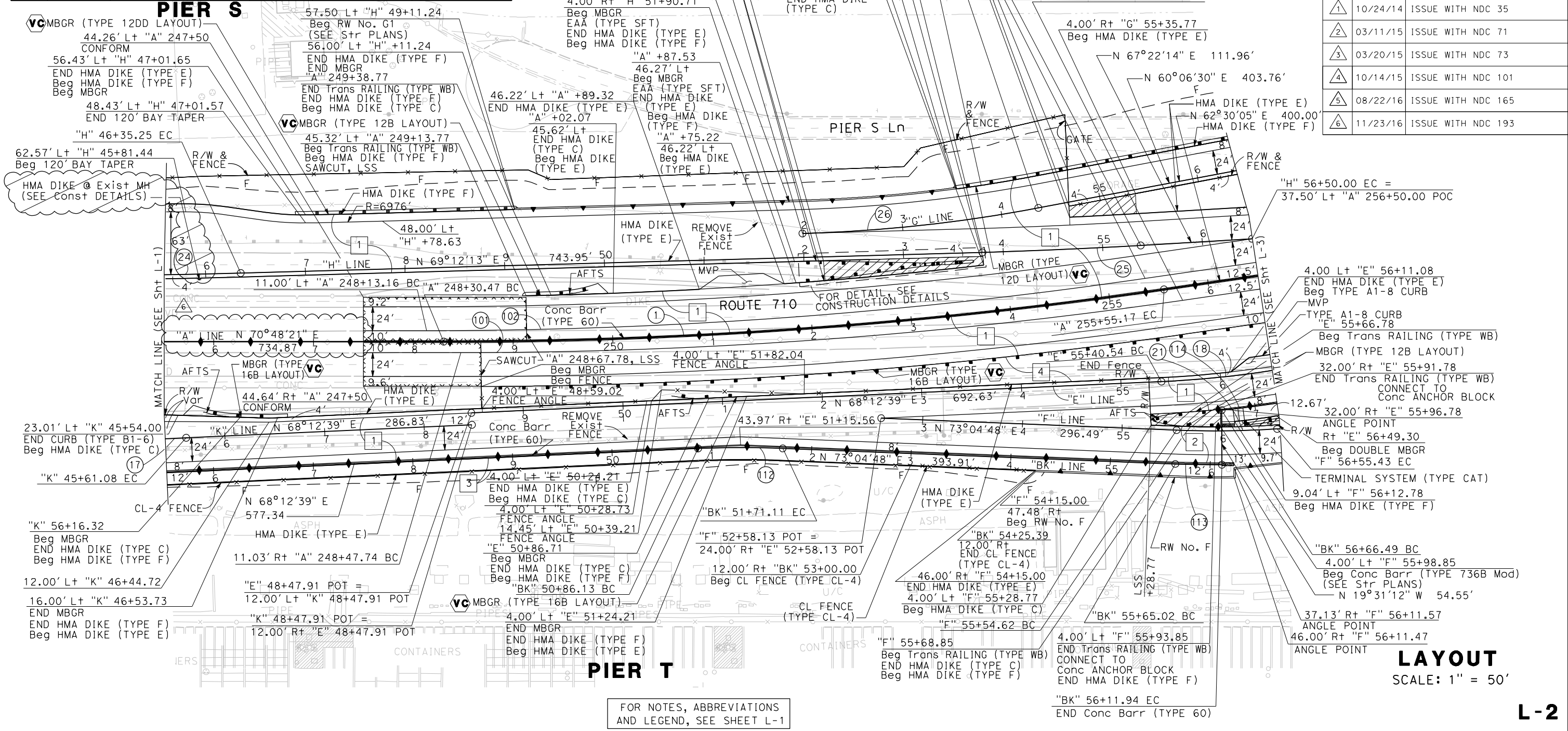
Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SF1 - SHIMMICK/FCC/IMPREGILO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	03/11/15	ISSUE WITH NDC 71
3	03/20/15	ISSUE WITH NDC 73
4	10/14/15	ISSUE WITH NDC 101
5	08/22/16	ISSUE WITH NDC 165
6	11/23/16	ISSUE WITH NDC 193



LAYOUT
SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC

REVISOR: TRAVIS CHAN
DATE: LUIS GARCIA

REVISOR: TRAVIS CHAN
DATE: LUIS GARCIA

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

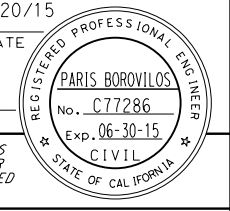
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(321)	330.00'	24°39'44"	72.14'	142.04'	1735428.0213	6490001.0331

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

03/20/15
REGISTERED CIVIL ENGINEER DATE

05/09/2015
PLANS APPROVAL DATE

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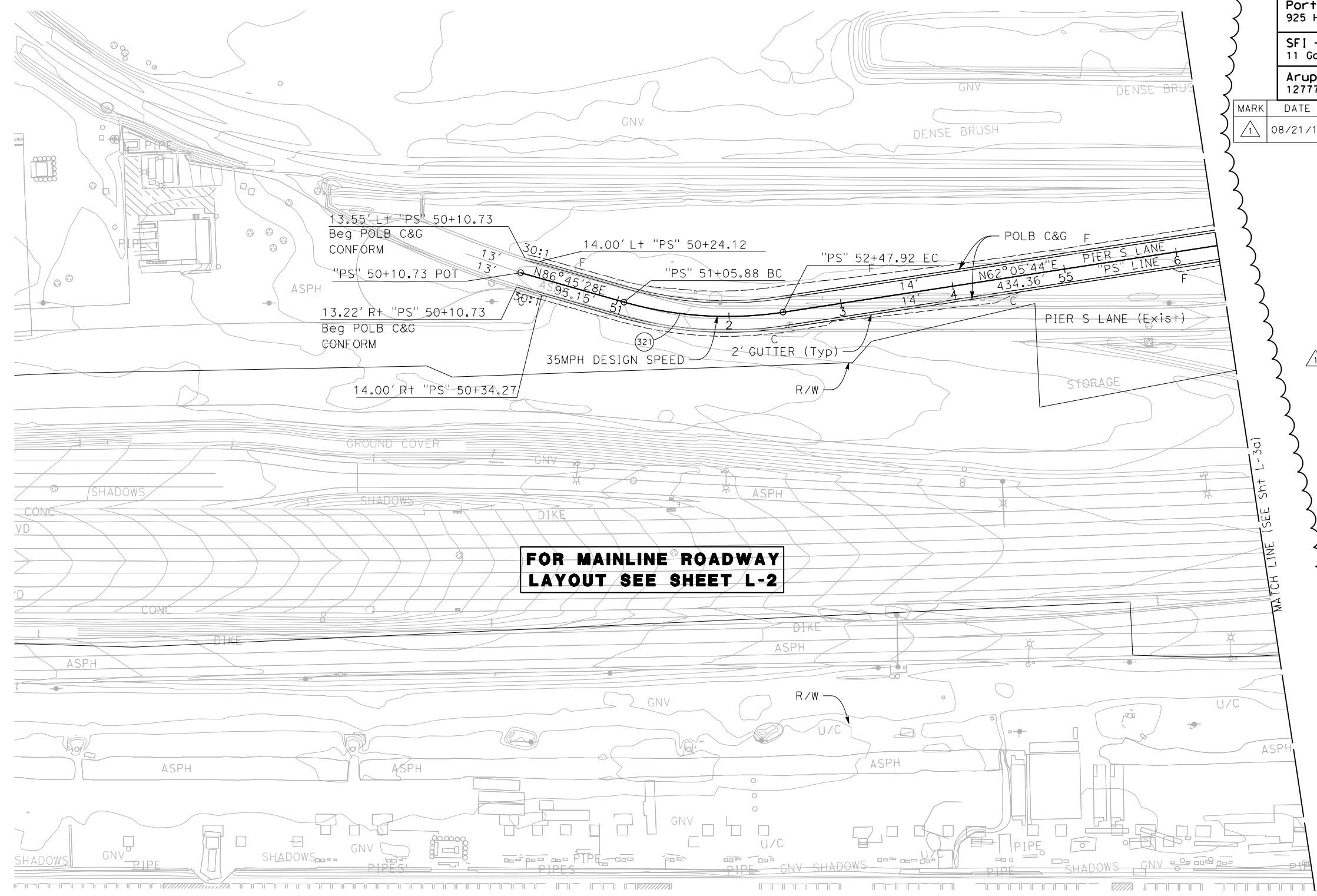
Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

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11 Golden Shore Suite 330, Long Beach, CA 90802

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12777 West Jefferson Blvd, Los Angeles, CA 90066

MARK	DATE	REVISION(S) DESCRIPTIONS
1	08/21/14	RELEASED FOR CONSTRUCTION - NDC 0073

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
05/19/2015
SIGNED DATE
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE



**FOR MAINLINE ROADWAY
LAYOUT SEE SHEET L-2**

LAYOUT

SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC
Et-Catrans®

REVISOR BY
DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

DEPARTMENT OF TRANSPORTATION

BORDER LAST REVISED 7/2/2010

USERNAME => kevin.rietze
DGN FILE => 0700021080ea002a.dgn

RELATIVE BORDER SCALE 15 IN INCHES

UNIT 1820

PROJECT NUMBER & PHASE

07000210804

DATE PLOTTED => 3/20/2015
TIME PLOTTED => 11:18:25 AM

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
49.50' Lt "A" 257+91.89

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
2	8000.00'	4°37'06"	322.59'	644.83'	1,728,172.7469	6,494,563.6470
18	1000.00'	11°28'53"	100.53'	200.39'	1,735,924.6232	6,490,171.8583
19	2100.00'	7°05'08"	130.02'	259.70'	1,733,497.0069	6,492,122.8417
20	7962.50'	2°09'30"	149.99'	299.95'	1,728,236.1463	6,494,709.7805
22	2000.00'	4°01'16"	70.21'	140.37'	1,733,557.8576	6,492,428.8069
28	300.00'	44°29'10"	122.69'	232.93'	1,735,060.9801	6,490,868.8238
103	7986.50'	4°37'06"	322.05'	643.75'	1,728,172.7469	6,494,563.6470
104	8013.50'	4°37'06"	323.14'	645.92'	1,728,172.7469	6,494,563.6470
107	300.00'	37°17'25"	101.22'	195.25'	1,735,572.5900	6,491,285.1279
114	1033.15'	8°12'04"	74.07'	147.88'	1,735,924.6232	6,490,171.8583
115	2066.85'	7°05'08"	127.96'	255.60'	1,733,497.0069	6,492,122.8417
116	7929.35'	1°34'47"	109.31'	218.60'	1,728,236.1462	6,494,709.7806

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

DATE: 04-18-14
05/05/2017
REGISTERED CIVIL ENGINEER
PLANS APPROVAL DATE

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Port of Long Beach
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BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

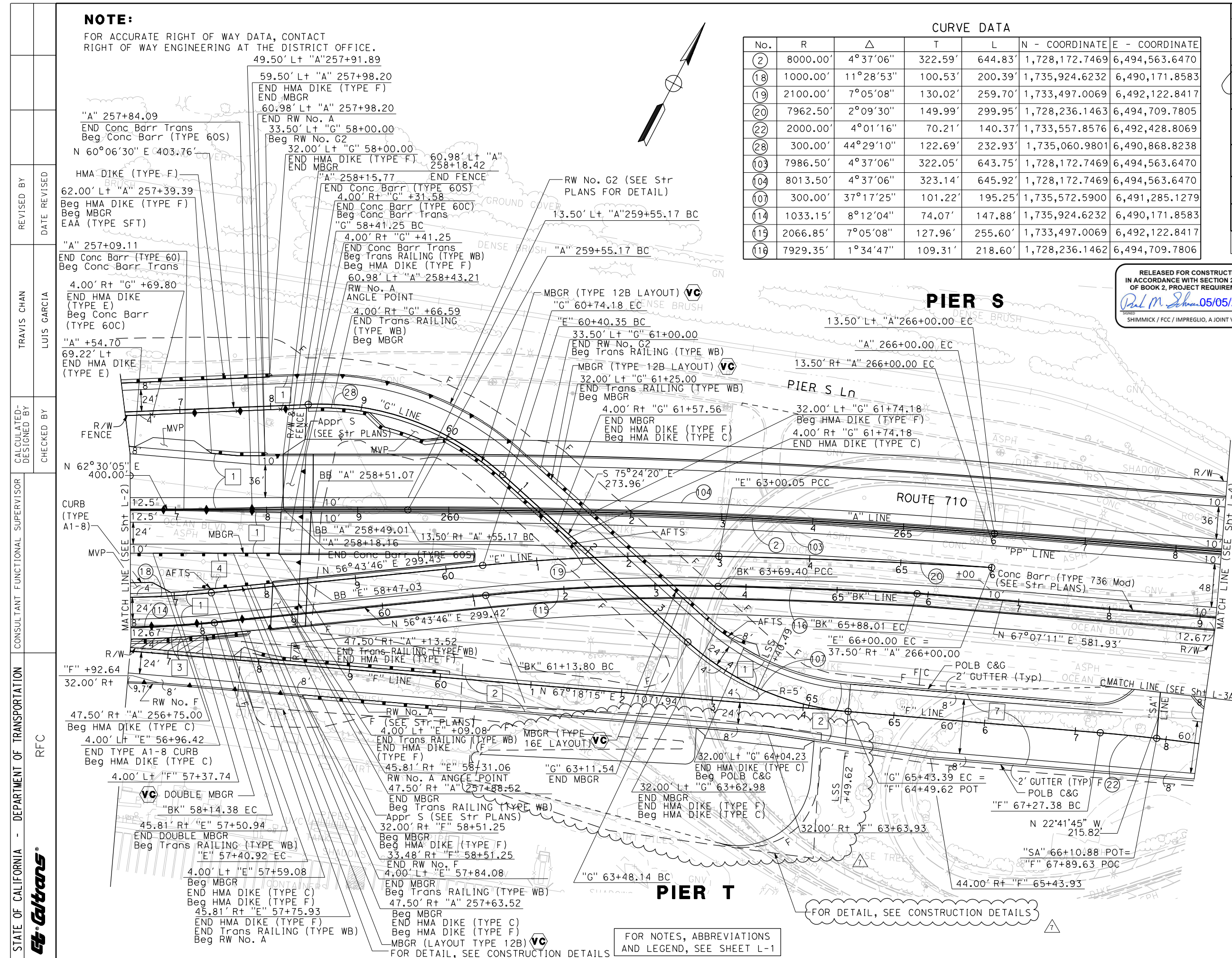
MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	2/6/15	ISSUE WITH NDC 38
3	3/20/15	NDC 0073
4	10/14/15	NDC 0101
5	08/22/16	ISSUE WITH NDC 165
6	11/21/16	ISSUE WITH NDC 192
7	11/23/16	ISSUE WITH NDC 193

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS

Paul M. Schmitt 05/05/2017
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

FOR PORT STREETS
ROADWAY, SEE SHEET L-3A

LAYOUT
SCALE: 1" = 50'



FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1

FOR DETAIL, SEE CONSTRUCTION DETAILS

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
322	900.00'	9°22'14"	73.76'	147.20'	1,734,544.3140	6,490,960.5250
323	80.00'	27°44'07"	19.75'	38.73'	1,735,535.4444	6,491,270.2310
324	50.00'	56°33'20"	26.90'	49.35'	1,735,513.7665	6,491,249.4928
325	400.00'	8°00'17"	27.99'	55.88'	1,735,877.2179	6,491,269.2463
326	45.00'	59°18'35"	25.62'	46.58'	1,735,591.5310	6,491,513.0738
327	360.00'	27°06'42"	86.80'	170.35'	1,735,281.9742	6,491,462.9997
328	215.00'	66°35'36"	141.21'	249.89'	1,735,839.8359	6,491,618.7427

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

03/20/15
REGISTERED CIVIL ENGINEER DATE

05/09/2015
PLANS APPROVAL DATE

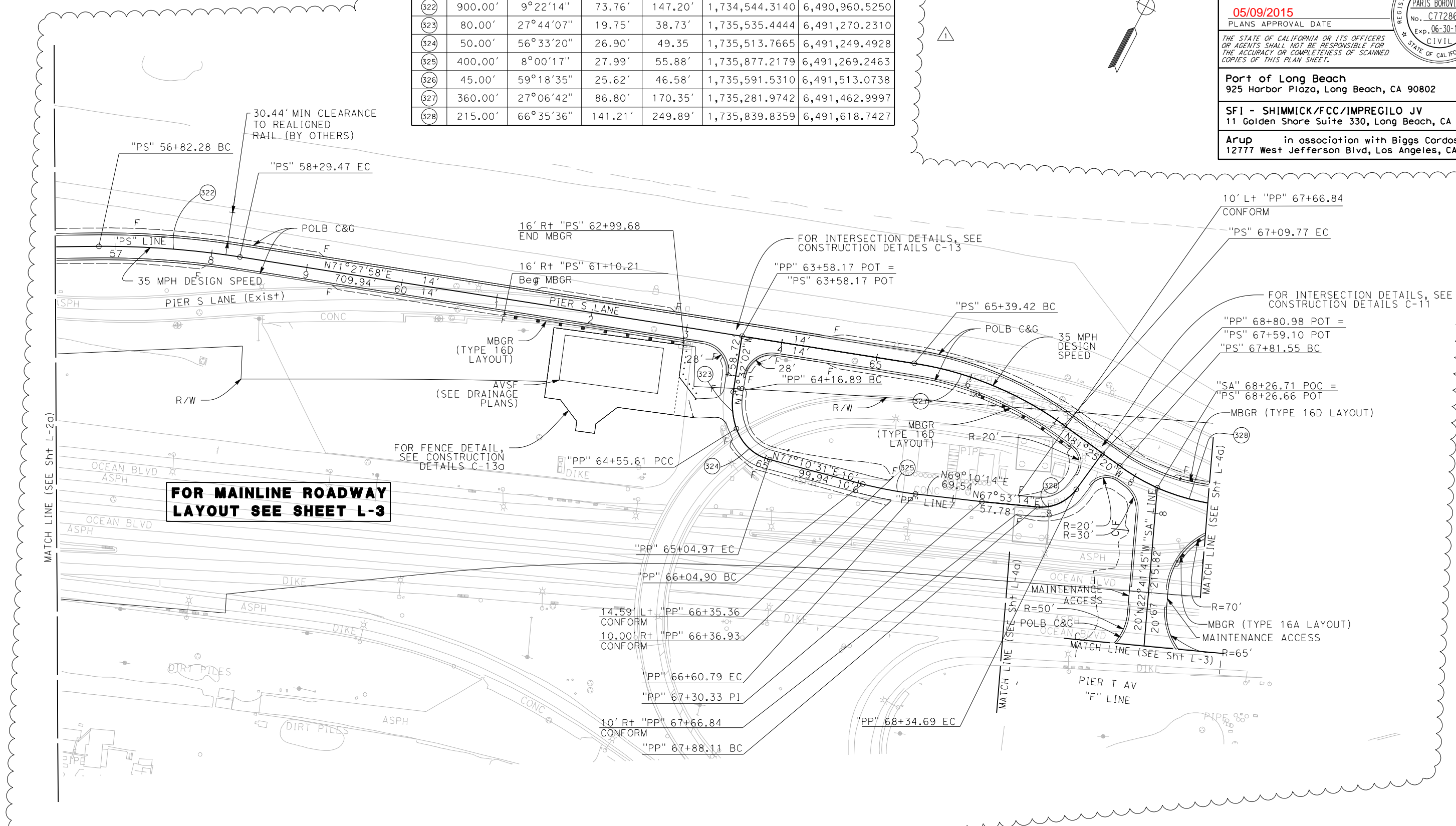
REGISTERED PROFESSIONAL ENGINEER
PARIS BOROVILLOS
No. C77286
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

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FOR MAINLINE ROADWAY LAYOUT SEE SHEET L-3

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
05/19/2015
SIGNED SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE
DATE

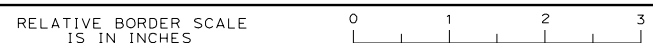
LAYOUT
SCALE: 1" = 50'

L-3a

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC
CONSULTANT FUNCTIONAL SUPERVISOR
CALCULATED-DESIGNED BY
CHECKED BY
REVISOR BY
DATE REVISED

MARK	DATE	REVISION(S) DESCRIPTIONS
△	03/20/15	RELEASED FOR CONSTRUCTION - NDC 0073

USERNAME => kevin.rietze
DGN FILE => 0700021080ea003a.dgn



UNIT 1820

PROJECT NUMBER & PHASE

07000210804

DATE PLOTTED => 3/20/2015
TIME PLOTTED => 11:17:00 AM
LAST REVISION

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
3	21000.00'	1°43'08"	315.02'	630.00'	1,755,046.5268	6,483,656.7707
22	2000.00'	4°01'16"	70.21'	140.37'	1,733,557.8576	6,492,428.6069
23	2000.00'	4°01'16"	70.21'	140.37'	1,737,421.0196	6,491,366.2451
105	21013.50'	1°18'18"	239.32'	478.63'	1,755,086.3897	6,483,751.2300
106	20986.50'	2°07'20"	388.70'	777.30'	1,755,008.6176	6,483,566.9407
117	21072.65'	1°18'18"	240.00'	479.98'	1,755,086.3897	6,483,751.2300
201	1966.00'	2°59'22"	51.30'	102.58'	1,737,410.0152	6,491,339.9330
202	50.00'	5°45'45"	2.52'	5.03'	1,735,539.6655	6,492,302.2254
203	1968.00'	1°51'37"	31.95'	63.90'	1,733,612.6503	6,492,590.9208

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Schen 04/18/2017
SHIMMICK / FCC / IMPREGIO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

REGISTERED CIVIL ENGINEER DATE
04/18/2017
PLANS APPROVAL DATE

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Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

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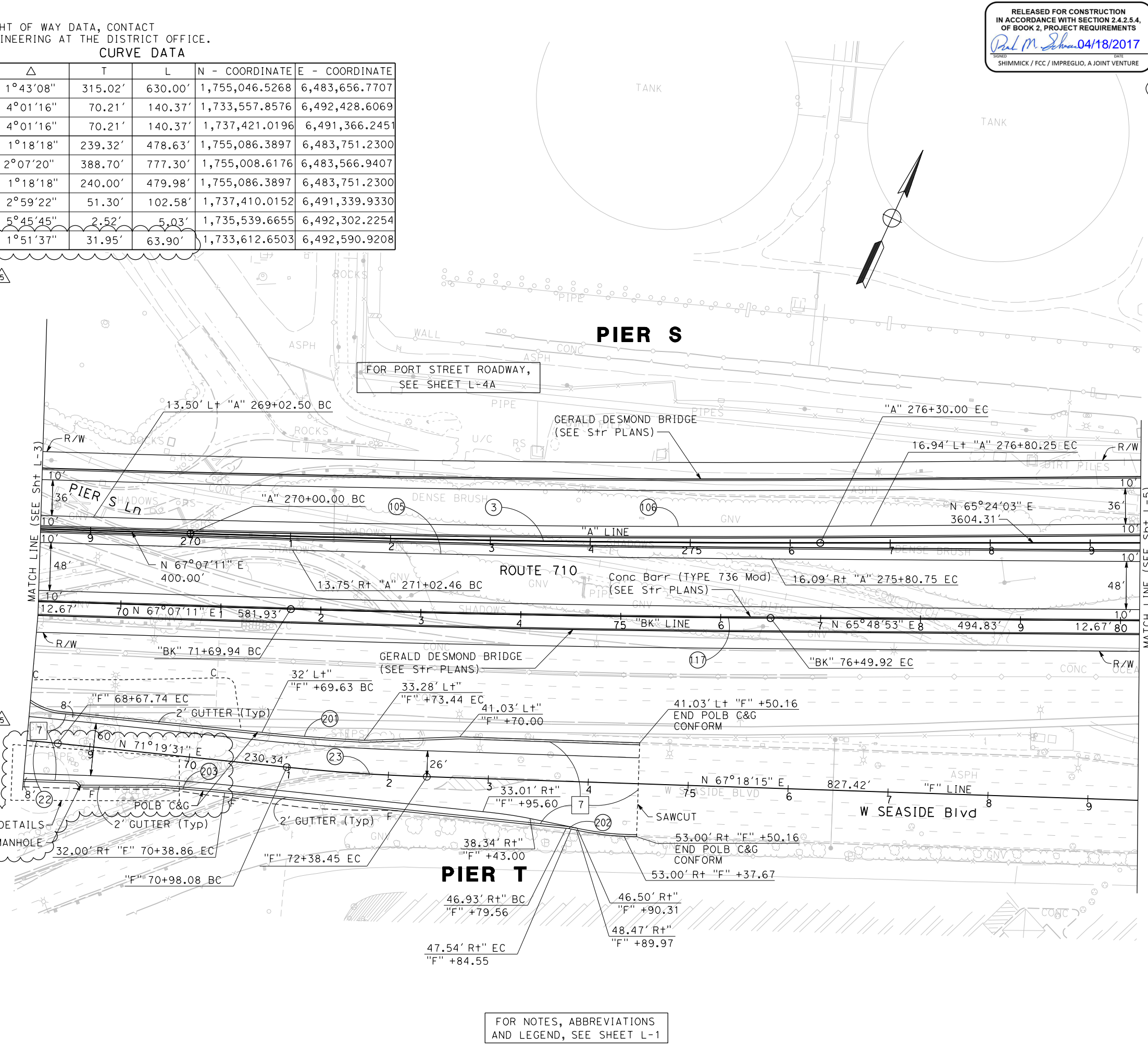
Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC

CONSULTANT FUNCTIONAL SUPERVISOR
CALCULATED-DESIGNED BY
CHECKED BY
TRAVIS CHAN
LUIS GARCIA
REVISOR BY
DATE REVISED



MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	3/20/15	ISSUE WITH NDC 73
3	2/6/15	ISSUE WITH NDC 38
4	11/21/16	ISSUE WITH NDC 192
5	01/12/17	ISSUE WITH NDC 195

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

L-4

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
328	215.00'	66°35'36"	141.21'	249.89'	1,735,839.8360	6,491,618.7430
329	50.00	92°18'59"	52.06'	80.56'	1,735,795.7011	6,491,785.7121



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

03/20/15
REGISTERED CIVIL ENGINEER DATE

08/09/2016
PLANS APPROVAL DATE

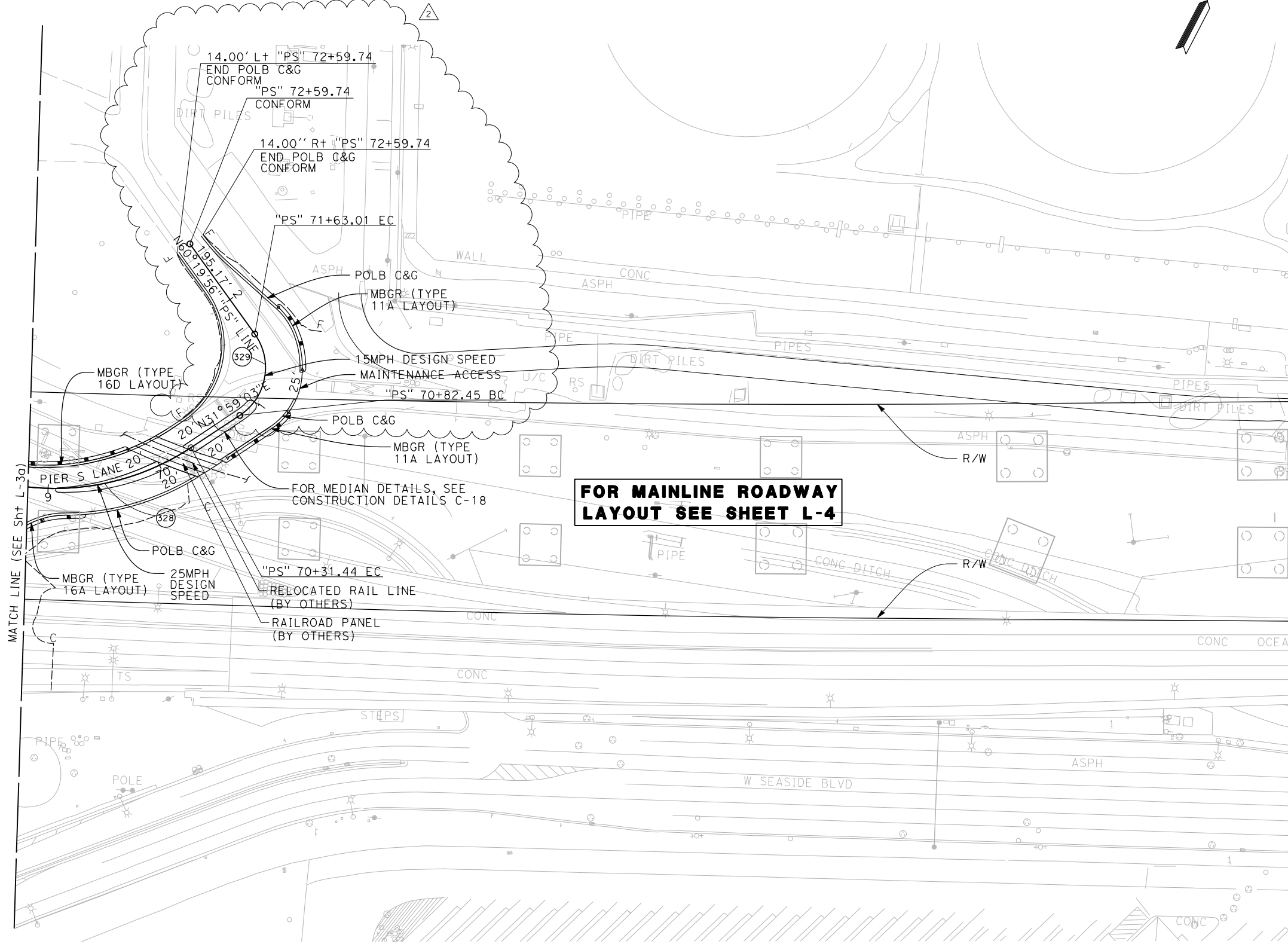
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Port of Long Beach
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Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

RELEASED FOR CONSTRUCTION IN ACCORDANCE WITH SECTION 2.4.2.5.4, OF BOOK 2, PROJECT REQUIREMENTS
08/09/2016
SIGNED SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE DATE



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC
Caltrans

MARK	DATE	REVISION(S) DESCRIPTIONS
1	03/20/15	RELEASED FOR CONSTRUCTION - NDC 0073
2	04/19/16	NDC 0091

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1



LAYOUT

SCALE: 1" = 50'

L-4a

BORDER LAST REVISED 7/2/2010

USERNAME => Kevin.Rietze
DGN FILE => 0700021080ea004a.dgn

UNIT 1820

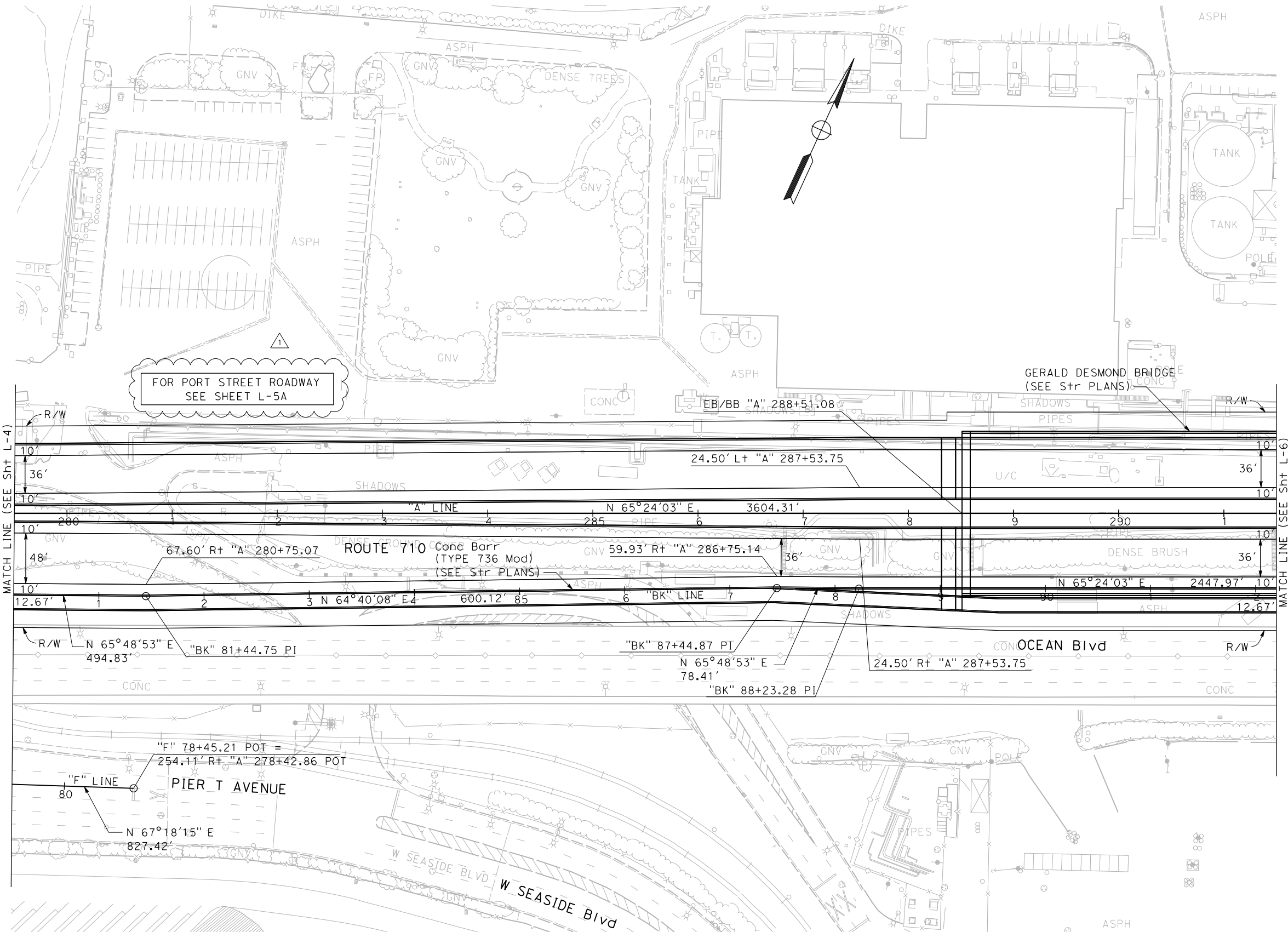
PROJECT NUMBER & PHASE

07000210804

DATE PLOTTED => 4/19/2016
TIME PLOTTED => 11:07:18 AM

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FOR PORT STREET ROADWAY SEE SHEET L-5A

GERALD DESMOND BRIDGE (SEE STR PLANS)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

04-18-14 DATE
 REGISTERED CIVIL ENGINEER
05/09/2015 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Port of Long Beach
 925 Harbor Plaza, Long Beach, CA 90802

SF1 - SHIMMICK/FCC/IMPREGILO JV
 11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardoso
 12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
 600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
1	03/20/15	RELEASED FOR CONSTRUCTION - NDC 0073

RELEASED FOR CONSTRUCTION IN ACCORDANCE WITH SECTION 2.4.2.5.4, OF BOOK 2, PROJECT REQUIREMENTS
05/19/2015
 SIGNED: SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE
 DATE:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 TRAVIS CHAN
 LUIS GARCIA
 CALCULATED-DRAWN BY
 CHECKED BY
 CONSULTANT FUNCTIONAL SUPERVISOR
 RFC

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
330	110.00'	62°30'16"	66.76	120.00	1,736,254.6268	6,492,782.0746
331	110.00'	34°53'26"	34.57	66.99	1,736,074.3830	6,492,916.1004
332	125.00'	34°38'47"	38.99	75.59	1,736,290.2800	6,493,046.0195
333	120.00'	57°59'43"	66.51	121.47	1,736,124.3531	6,493,271.2504

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
05/19/2015
SIGNED SHIMMICK / FCC / IMPREGGIO, A JOINT VENTURE DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

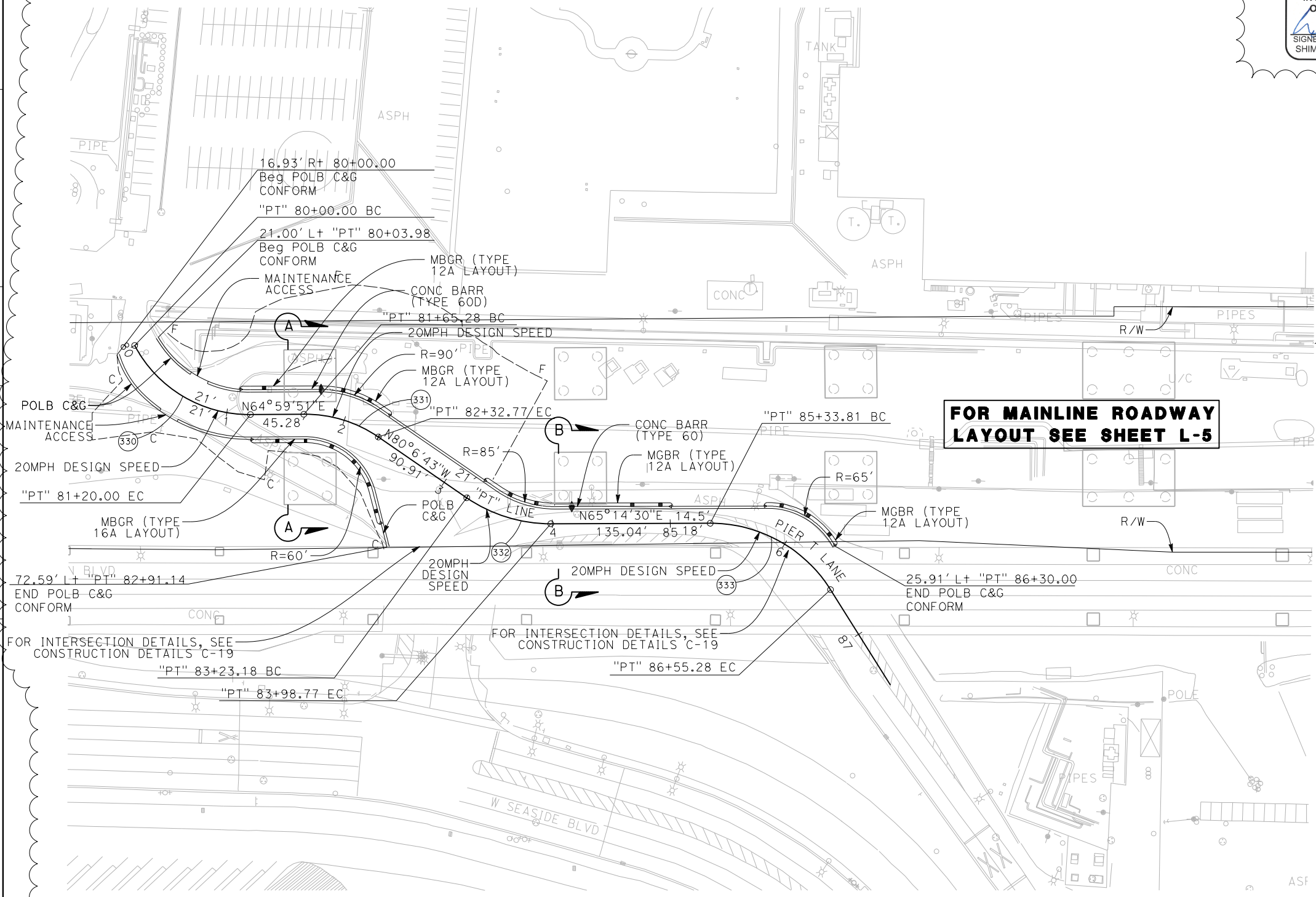
03/20/15
REGISTERED CIVIL ENGINEER DATE
05/09/2015
PLANS APPROVAL DATE

PARIS BOROVILLOS
No. C77286
Exp. 06-30-15
CIVIL
STATE OF CALIFORNIA

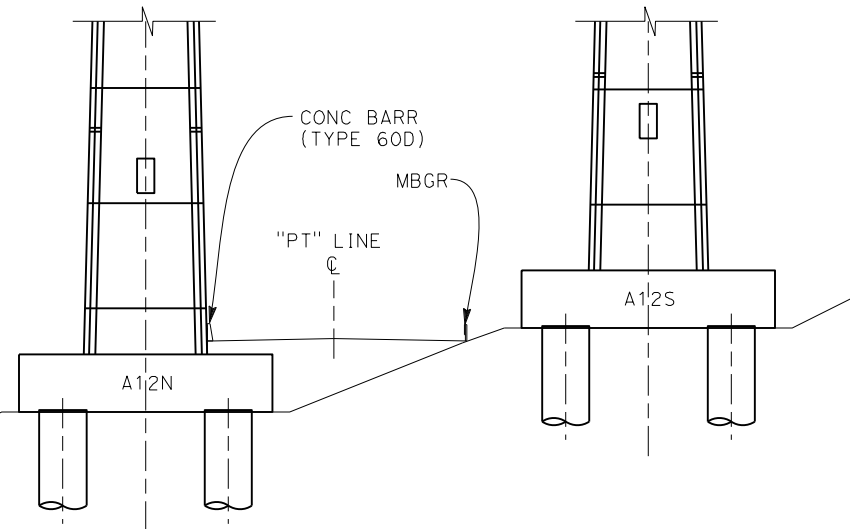
Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SF1 - SHIMMICK/FCC/IMPREGGIO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

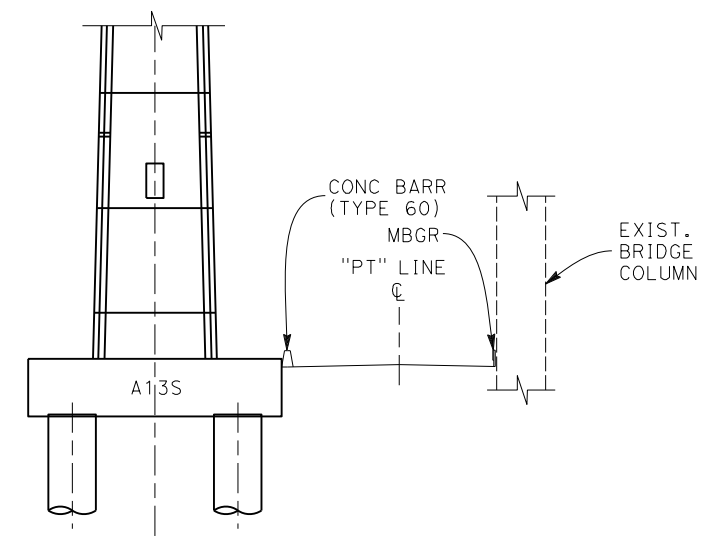
Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066



FOR MAINLINE ROADWAY LAYOUT SEE SHEET L-5



SECTION A



SECTION B

LAYOUT

SCALE: 1" = 50'

L-5a

REVISOR: [] DATE: []
CALCULATED/DESIGNED BY: [] CHECKED BY: []
CONSULTANT FUNCTIONAL SUPERVISOR: []
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC

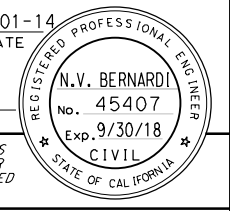
MARK	DATE	REVISION(S) DESCRIPTIONS
△	03/20/15	RELEASED FOR CONSTRUCTION - NDC 0073

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

DATE PLOTTED => 3/20/2015 TIME PLOTTED => 11:26:28 AM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

08-01-14
 REGISTERED CIVIL ENGINEER
 PLANS APPROVAL DATE
02/07/2017
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



Port of Long Beach
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Arup in association with Biggs Cardoso
 12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
 600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

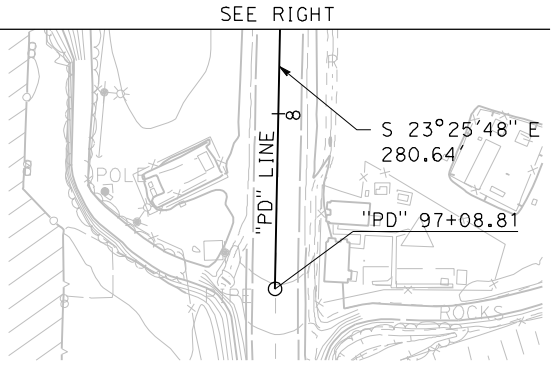
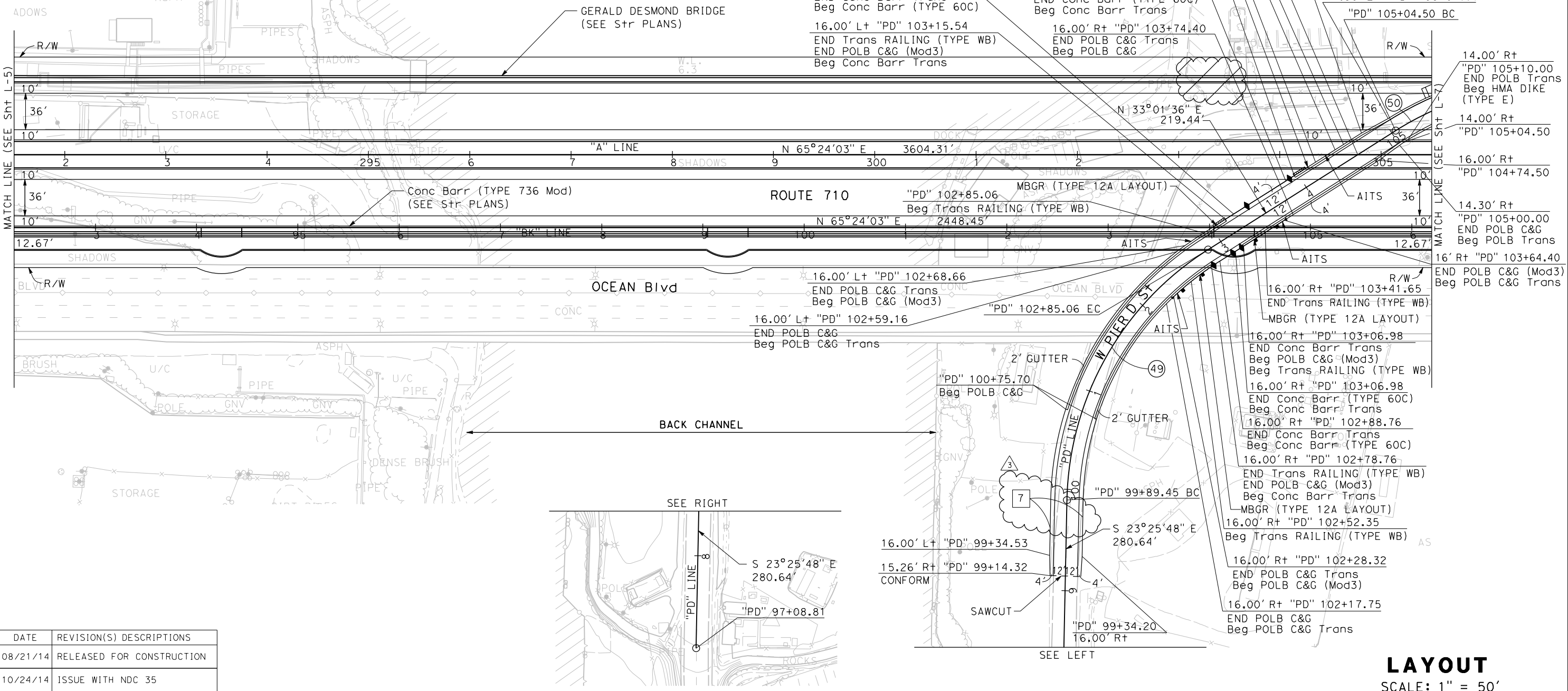
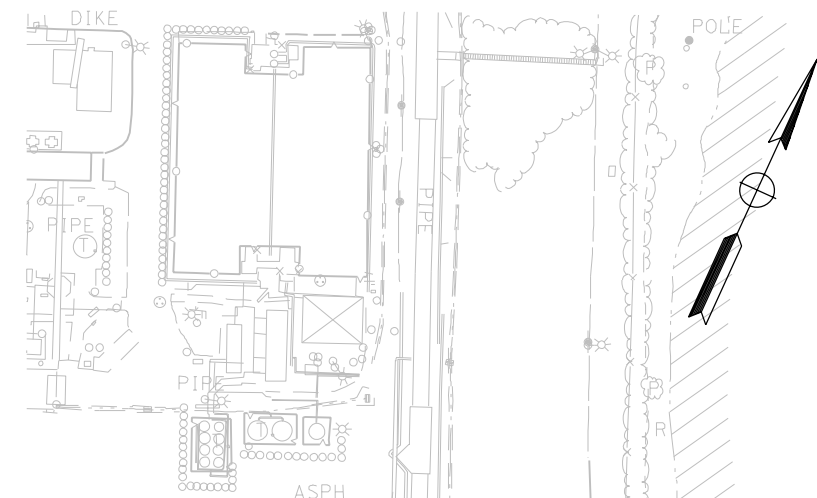
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

RELEASED FOR CONSTRUCTION
 IN ACCORDANCE WITH SECTION 2.4.2.5.4,
 OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Shimmick 02/07/2017
 SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
49	300.00'	56°27'24"	161.05'	295.61'	1,736,827.1679	6,495,143.0079
50	300.00'	32°22'27"	87.08'	169.51'	1,737,011.1529	6,495,262.6112

PIER D DESIGN SPEED = 30MPH



FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET L-1

LAYOUT
 SCALE: 1" = 50'

L-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT FUNCTIONAL SUPERVISOR
 CALCULATED-DESIGNED BY
 CHECKED BY
 TRAVIS CHAN
 LUIS GARCIA
 REVISED BY
 DATE REVISED

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	3/20/15	ISSUE WITH NDC 0073
3	11/21/16	ISSUE WITH NDC 192

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
SIGNED: Paul M. Shimmick 06/14/2017
DATE: 06/14/2017
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

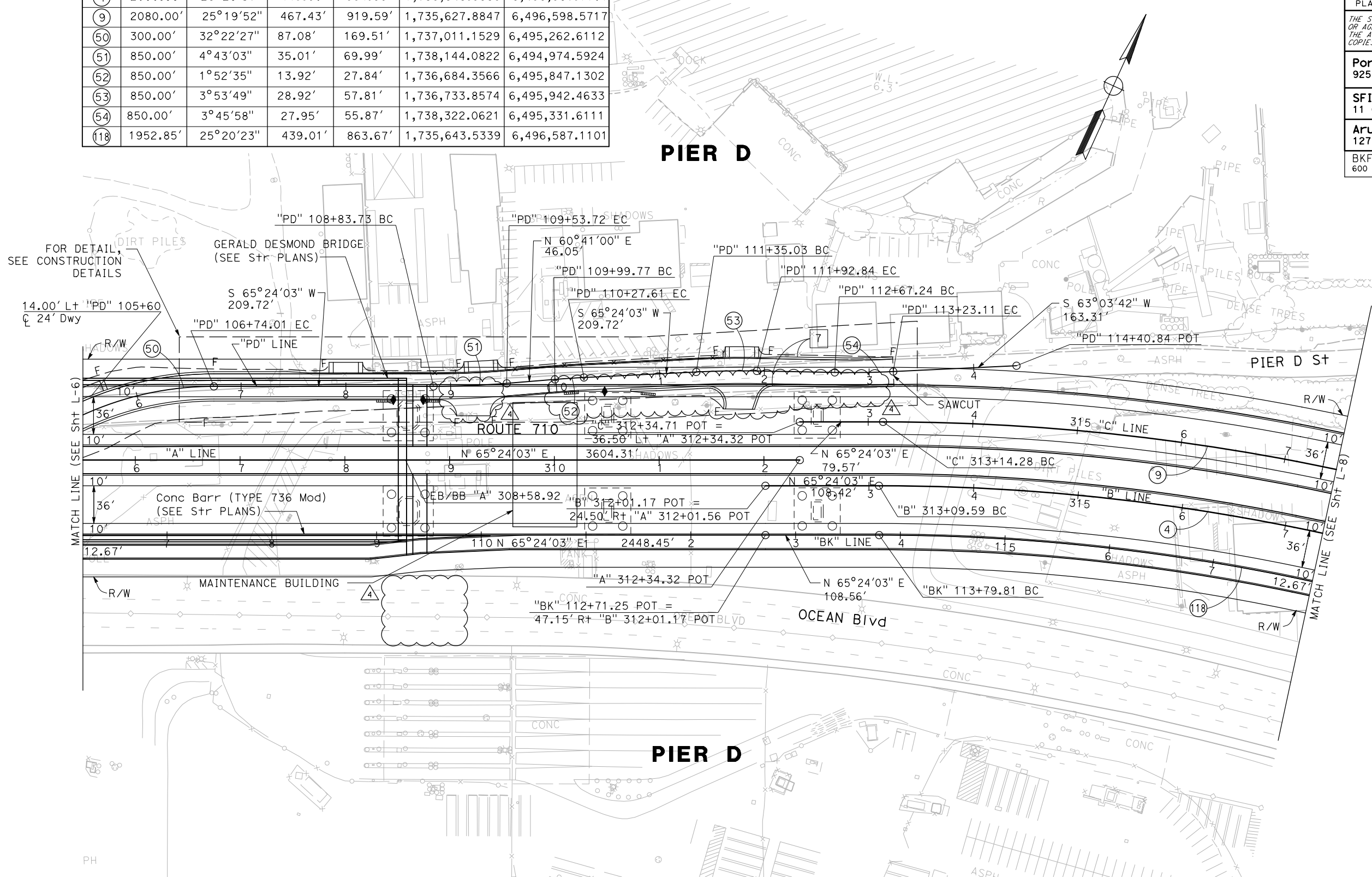
08-01-14
REGISTERED CIVIL ENGINEER DATE
N.V. BERNARDI
No. 45407
Exp. 9/30/18
CIVIL
STATE OF CALIFORNIA

06/14/2017
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
4	2000.00'	25°20'37"	449.68'	884.66'	1,735,643.5339	6,496,587.1101
9	2080.00'	25°19'52"	467.43'	919.59'	1,735,627.8847	6,496,598.5717
50	300.00'	32°22'27"	87.08'	169.51'	1,737,011.1529	6,495,262.6112
51	850.00'	4°43'03"	35.01'	69.99'	1,738,144.0822	6,494,974.5924
52	850.00'	1°52'35"	13.92'	27.84'	1,736,684.3566	6,495,847.1302
53	850.00'	3°53'49"	28.92'	57.81'	1,736,733.8574	6,495,942.4633
54	850.00'	3°45'58"	27.95'	55.87'	1,738,322.0621	6,495,331.6111
118	1952.85'	25°20'23"	439.01'	863.67'	1,735,643.5339	6,496,587.1101



MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 35
2	05/19/15	ISSUE WITH NDC 73
3	11/21/16	ISSUE WITH NDC 192
4	02/03/17	ISSUE WITH NDC 207

Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SFI - SHIMMICK/FCC/IMPREGILO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardosa
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC

REVISOR: TRAVIS CHAN, LUIS GARCIA
CALCULATED/DESIGNED BY: TRAVIS CHAN, LUIS GARCIA
CHECKED BY: TRAVIS CHAN, LUIS GARCIA
CONSULTANT FUNCTIONAL SUPERVISOR: TRAVIS CHAN, LUIS GARCIA

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

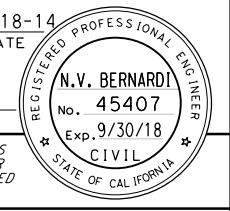
L-7

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Shimmick 06/06/2017
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

04-18-14 DATE
REGISTERED CIVIL ENGINEER
06/06/2017 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

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11 Golden Shore Suite 330, Long Beach, CA 90802

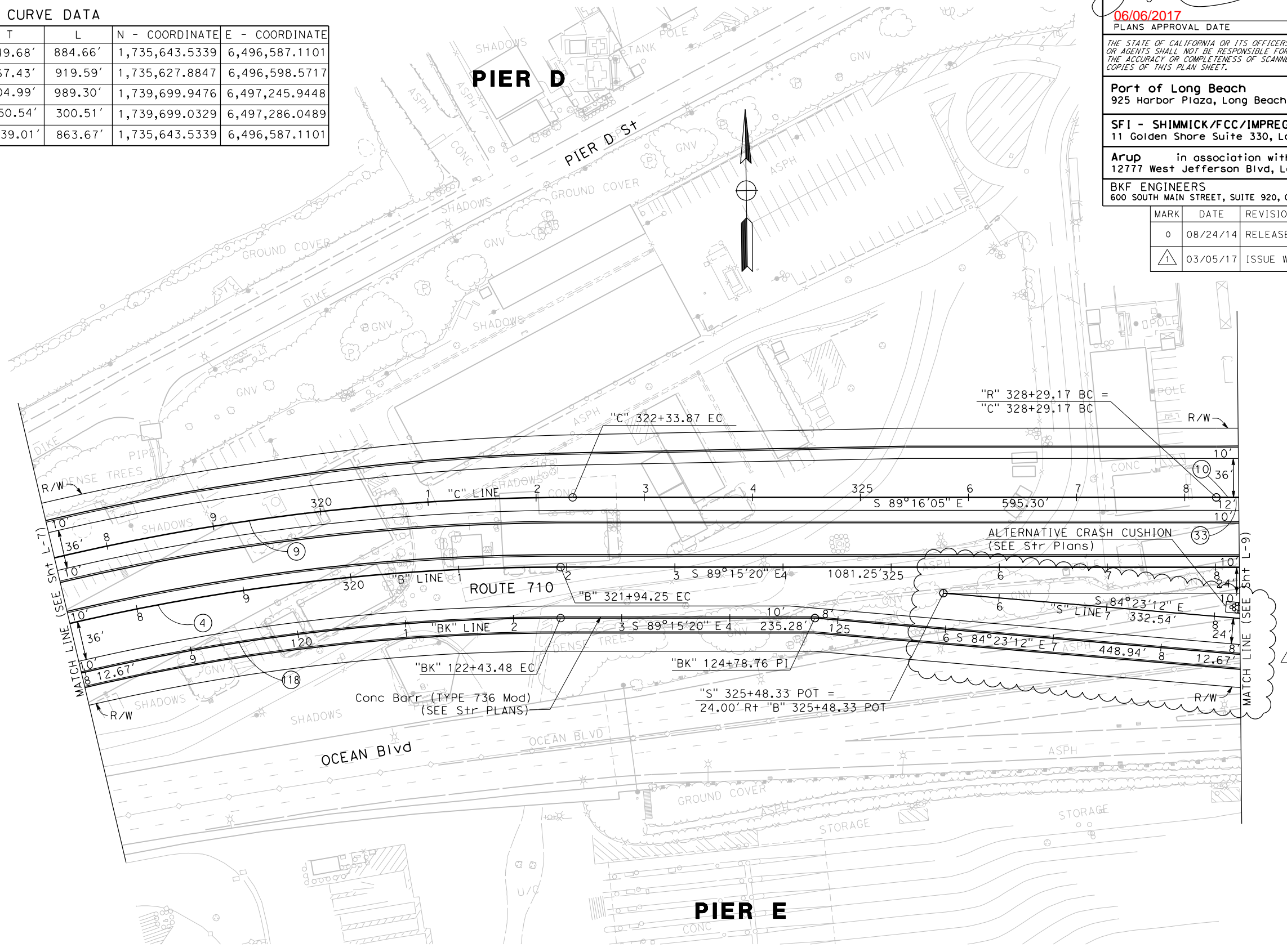
Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/24/14	RELEASED FOR CONSTRUCTION
1	03/05/17	ISSUE WITH NDC 209

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
4	2000.00'	25°20'37"	449.68'	884.66'	1,735,643.5339	6,496,587.1101
9	2080.00'	25°19'52"	467.43'	919.59'	1,735,627.8847	6,496,598.5717
10	2000.00'	28°20'29"	504.99'	989.30'	1,739,699.9476	6,497,245.9448
33	2000.00'	8°36'32"	150.54'	300.51'	1,739,699.0329	6,497,286.0489
118	1952.85'	25°20'23"	439.01'	863.67'	1,735,643.5339	6,496,587.1101



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Et Caltrans
 CONSULTANT SUPERVISOR
 CALCULATED/DESIGNED BY
 CHECKED BY
 TRAVIS CHAN
 LUIS GARCIA
 REVISIONS BY
 DATE REVISIONS

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1



LAYOUT
SCALE: 1" = 50'

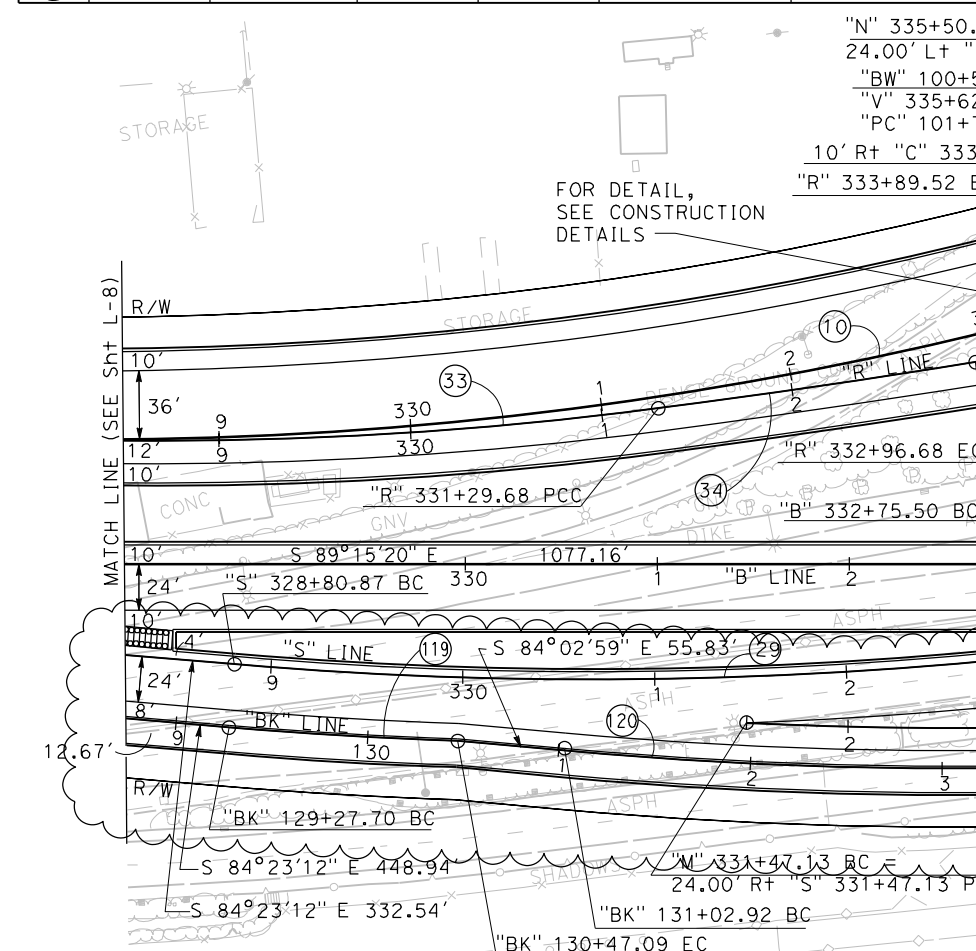
L-8

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
65	300.00'	10°33'44"	27.73'	55.30'	1,737,512.0442	6,497,999.1789
66	400.00'	15°54'16"	55.88'	111.03'	1,738,166.3478	6,498,287.5566
72	833.00'	38°34'41"	291.53'	560.87'	1,737,803.7540	6,498,803.2072
119	2233.15'	3°03'47"	59.71'	119.38'	1,739,771.6901	6,497,512.9683
120	2245.15'	10°54'14"	214.28'	427.27'	1,739,768.0186	6,497,701.8671
121	278.85'	29°20'35"	73.01'	142.81'	1,737,266.8962	6,498,074.9881
122	191.85'	75°45'44"	149.25'	253.69'	1,737,346.1317	6,498,110.9135
125	215.00'	70°12'05"	151.11'	263.43'	1,737,346.1317	6,498,110.9135



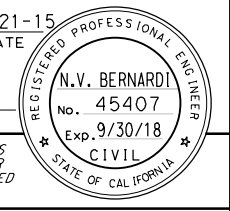
CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
5	1050.00'	87°45'34"	1009.72'	1608.28'	1,738,679.2295	6,497,707.8951
10	2000.00'	28°20'29"	504.99'	989.30'	1,739,699.9476	6,497,245.9448
11	1066.00'	58°10'50"	593.09'	1082.46'	1,738,872.3052	6,497,678.8004
29	2200.00'	15°55'27"	307.70'	611.44'	1,739,771.6901	6,497,512.9683
30	1000.00'	7°20'19"	64.13'	128.08'	1,736,699.2133	6,498,502.6482
31	2224.00'	8°30'06"	165.30'	330.00'	1,739,768.0186	6,497,701.8671
32	300.00'	26°50'51"	71.60'	140.57'	1,737,267.2622	6,498,079.2180
33	2000.00'	8°36'32"	150.54'	300.51'	1,739,699.0329	6,497,286.0489
34	6000.00'	1°35'41"	83.51'	167.00'	1,743,671.4883	6,496,817.4359

MARK	DATE	REVISION(S) DESCRIPTIONS	Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
0	08/21/14	RELEASED FOR CONSTRUCTION	07	LA	710	3.6/6.0		
1	10/24/14	ISSUE WITH NDC 35						
2	10/14/15	ISSUE WITH NDC 101						
3	08/22/16	ISSUE WITH NDC 165						
4	11/23/16	ISSUE WITH NDC 192						
5	03/05/17	ISSUE WITH NDC 209						

08-21-15
 REGISTERED CIVIL ENGINEER
06/06/2017
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

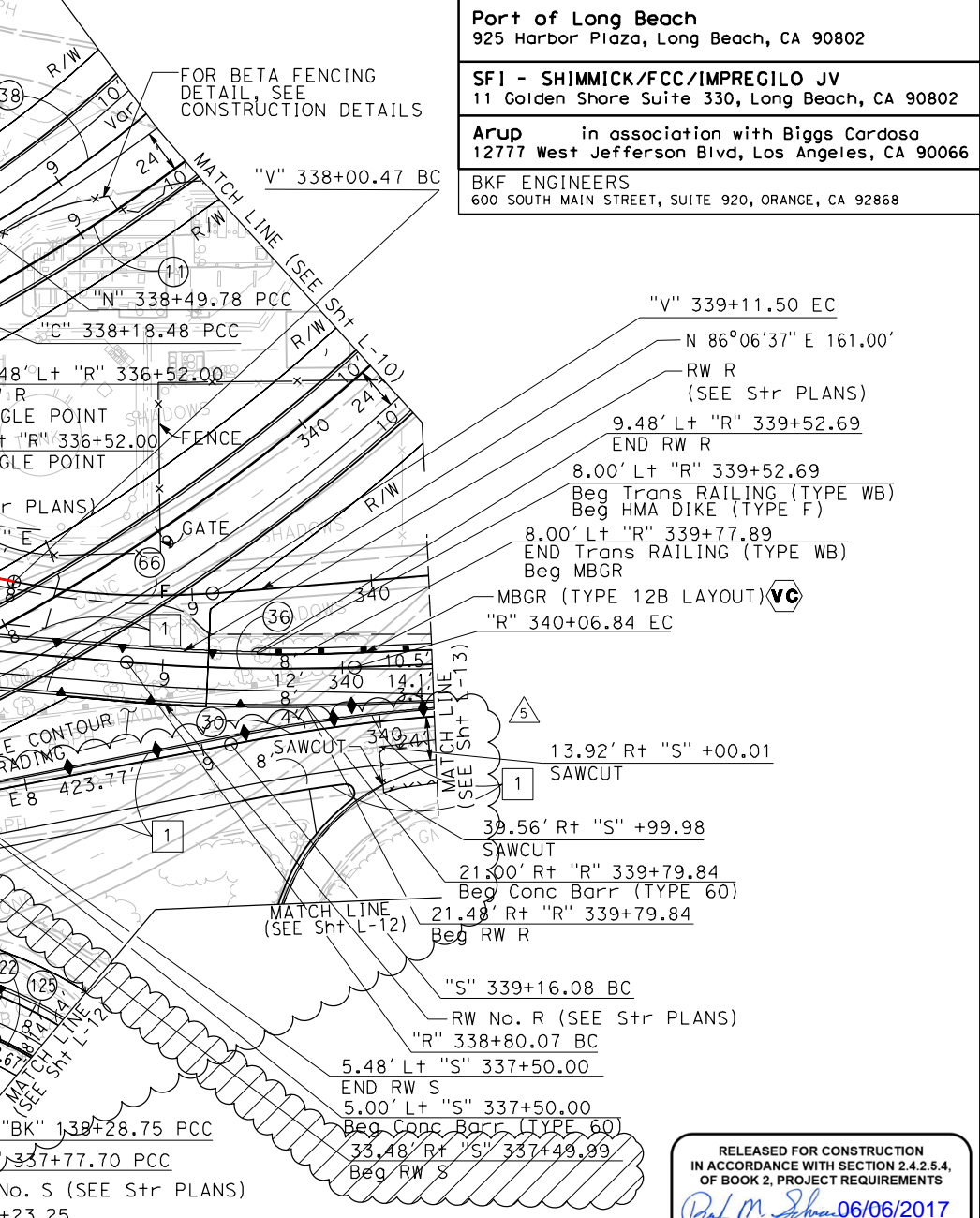


Port of Long Beach
 925 Harbor Plaza, Long Beach, CA 90802

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 11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardoso
 12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
 600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868



CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
35	1000.00'	13°58'17"	122.53'	243.85'	1,736,758.6446	6,497,922.5201
36	1000.00'	7°15'48"	63.47'	126.77'	1,738,724.6494	6,498,364.8822
37	1976.00'	8°41'03"	150.03'	299.49'	1,739,685.3777	6,497,207.0360
38	650.00'	21°21'54"	122.61'	242.38'	1,738,534.8982	6,497,866.3332

RELEASED FOR CONSTRUCTION
 IN ACCORDANCE WITH SECTION 2.4.2.5.4
 OF BOOK 2, PROJECT REQUIREMENTS

Paul M. Sherman 06/06/2017
 SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
 SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Travis Chan
 Luis Garcia
 R.F.C.

NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

4.00' Rt "N" 350+56.78
Beg Conc Barr Trans
5.48' Rt "N" 350+56.78
END RW No. N

4.00' Rt "N" 350+86.07
END Conc Barr Trans
Beg Conc Barr (60C Mod)
4.00' Rt "N" 351+05.59
END Conc Barr (60C Mod)

CRASH CUSHION
(TYPE SMART SCI-100GM)

FOR DETAIL,
SEE Const DETAILS

"N" 351+89.69 EC
"PC" 106+35.99 EC

36.00 Lt "PC" 105+99.33
BEG FENCE

S 57°57'20" E 40.47'
"N" 352+30.16 POT =
"PC" 106+71.18 POT

55.70 Rt
"PC" 106+33.68
BEG FENCE

32.00' Lt "O" 44+16.03
END Conc Barr (TYPE 60)
Beg Conc Barr Trans

32.00' Lt "O" 43+95.88
Beg Conc Barr (TYPE 60)
END HMA DIKE (TYPE E)

"N" 340+92.16 PCC
R/W

Var 340

24' 340

36' Lt "C" +97.32

GATE

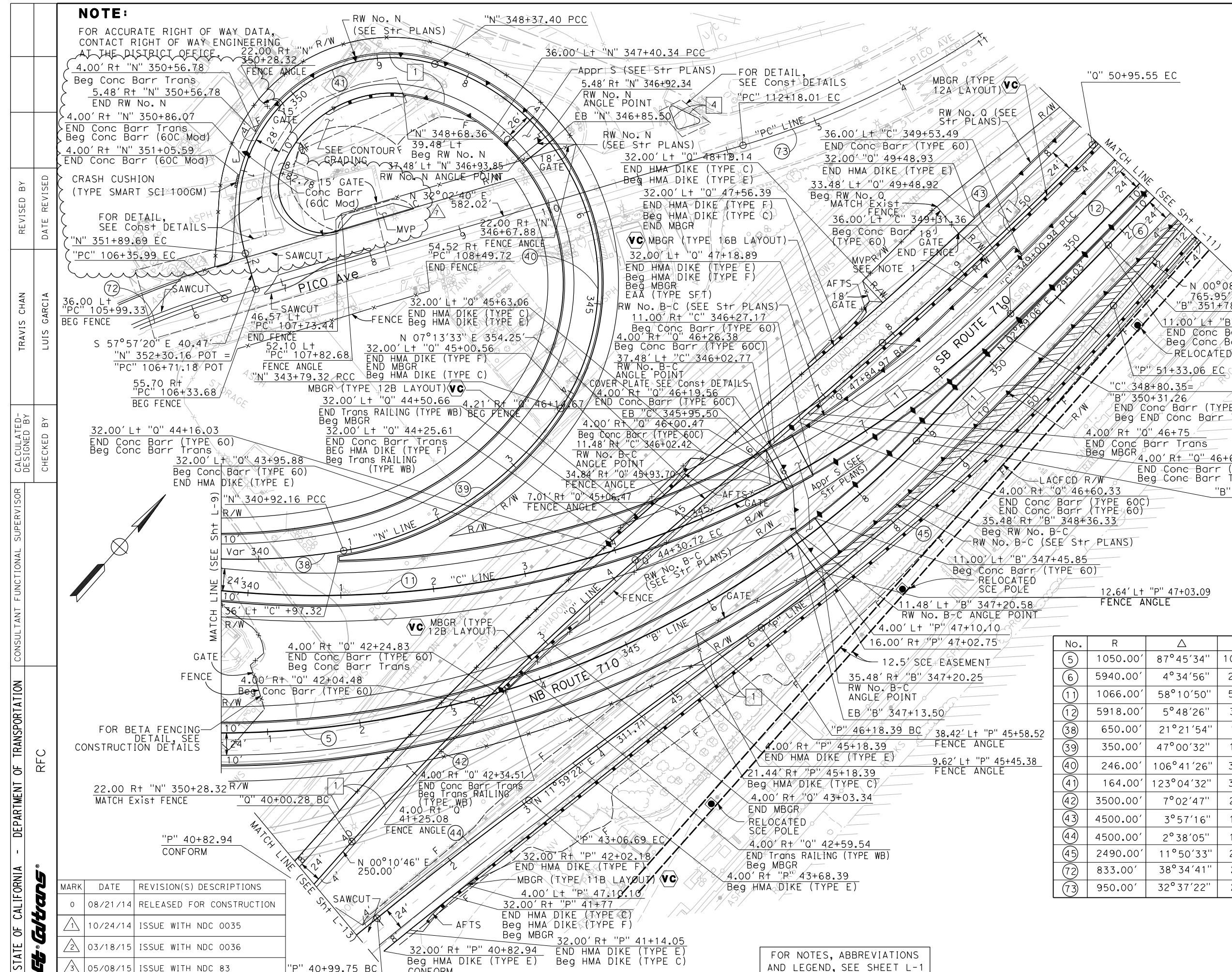
FENCE

FOR BETA FENCING
DETAIL, SEE
CONSTRUCTION DETAILS

22.00 Rt "N" 350+28.32 R/W
MATCH Exist FENCE

"O" 40+00.28 BC

"P" 40+82.94
CONFORM



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

08-01-14
REGISTERED CIVIL ENGINEER DATE

01/05/2017
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SFI - SHIMMICK/FCC/IMPREGILO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardoso
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
4	10/19/15	ISSUE WITH NDC 114
5	01/26/16	ISSUE WITH NDC 57
6	10/14/15	ISSUE WITH NDC 101
7	09/06/16	ISSUE WITH NDC 171

RELEASED FOR CONSTRUCTION IN ACCORDANCE WITH SECTION 2.4.2.5.4 OF BOOK 2, PROJECT REQUIREMENTS

Paul M. Shimmick 01/05/2017

SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - RFC

REVISIONS:

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 0035
2	03/18/15	ISSUE WITH NDC 0036
3	05/08/15	ISSUE WITH NDC 83

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
5	1050.00'	87°45'34"	1009.72'	1608.28'	1,738,679.2295	6,497,707.8951
6	5940.00'	4°34'56"	237.66'	475.06'	1,739,228.4943	6,492,839.8922
11	1066.00'	58°10'50"	593.09'	1082.46'	1,738,872.3052	6,497,678.8004
12	5918.00'	5°48'26"	300.17'	599.83'	1,739,228.4943	6,492,839.8922
38	650.00'	21°21'54"	122.61'	242.38'	1,738,534.8982	6,497,866.3332
39	350.00'	47°00'32"	152.22'	287.16'	1,738,346.8376	6,498,100.0707
40	246.00'	106°41'26"	330.58'	458.08'	1,738,361.6518	6,498,203.0102
41	164.00'	123°04'32"	302.53'	352.28'	1,738,436.0415	6,498,168.5113
42	3500.00'	7°02'47"	215.49'	430.44'	1,737,887.6537	6,502,086.7418
43	4500.00'	3°57'16"	155.35'	310.58'	1,739,245.3544	6,494,194.8382
44	4500.00'	2°38'05"	103.49'	206.94'	1,737,123.3823	6,503,101.8992
45	2490.00'	11°50'33"	258.25'	514.67'	1,738,880.3445	6,496,329.1343
72	833.00'	38°34'41"	291.53'	560.87'	1,737,803.7540	6,498,803.2072
73	950.00'	32°37'22"	278.01'	540.91'	1,739,243.1163	6,497,600.6797

LAYOUT
SCALE: 1" = 50'

L-10

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR P LINE ACCESS ROAD AND NORTH END FENCING DETAIL, SEE CONSTRUCTION DETAILS.

RELEASED FOR CONSTRUCTION
IN ACCORDANCE WITH SECTION 2.4.2.5.4,
OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Schmitt 12/13/2016
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

REGISTERED CIVIL ENGINEER DATE 04-18-14
12/13/2016 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

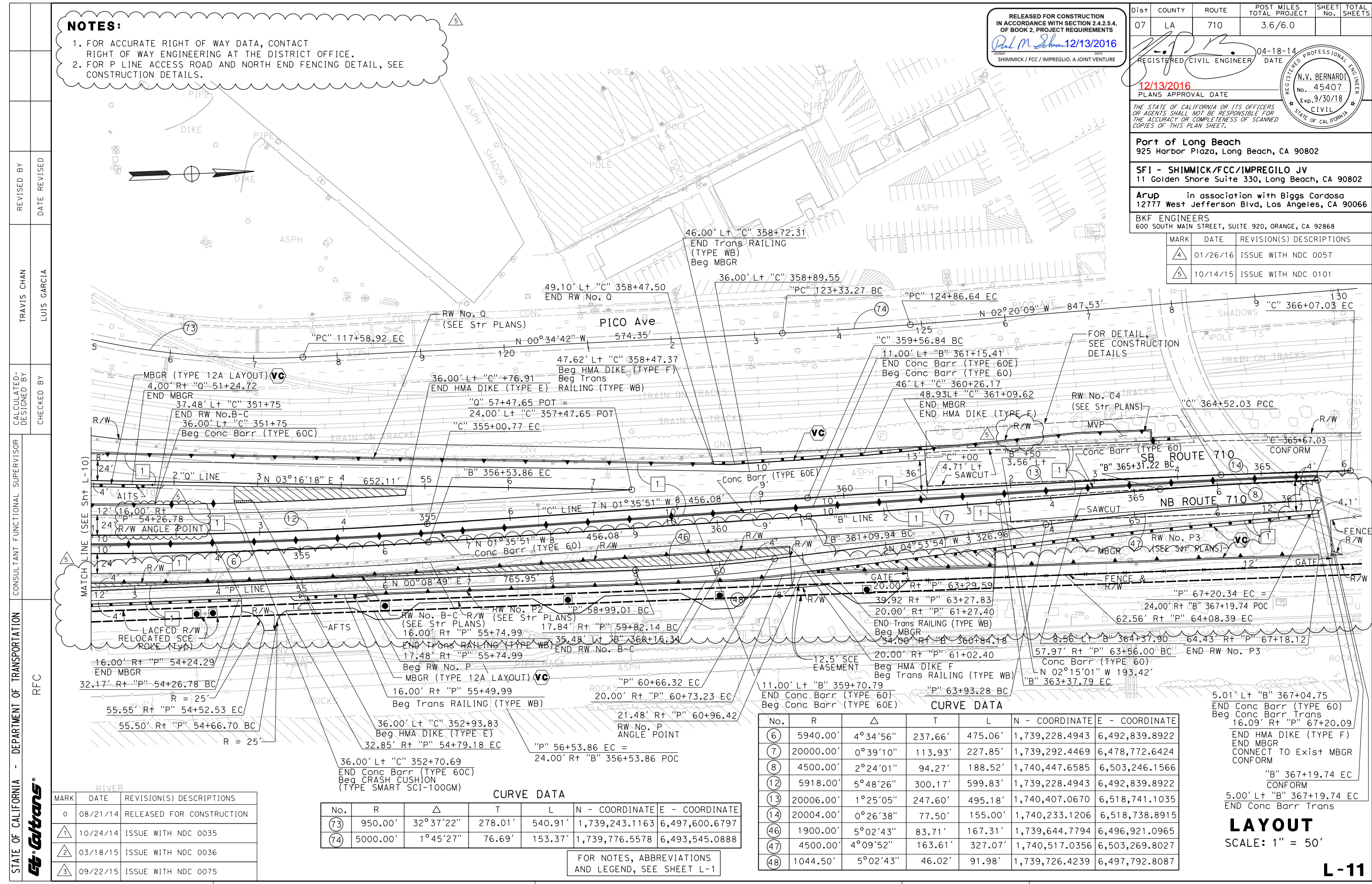
Port of Long Beach
925 Harbor Plaza, Long Beach, CA 90802

SF1 - SHIMMICK/FCC/IMPREGILO JV
11 Golden Shore Suite 330, Long Beach, CA 90802

Arup in association with Biggs Cardosa
12777 West Jefferson Blvd, Los Angeles, CA 90066

BKF ENGINEERS
600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
4	01/26/16	ISSUE WITH NDC 0057
5	10/14/15	ISSUE WITH NDC 0101



REVISOR: TRAVIS CHAN, LUIS GARCIA
CALCULATED/DESIGNED BY: TRAVIS CHAN, LUIS GARCIA
CONSULTANT FUNCTIONAL SUPERVISOR: RFC
DEPARTMENT OF TRANSPORTATION: RFC
STATE OF CALIFORNIA: SHIMMICK/FCC/IMPREGILO

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	10/24/14	ISSUE WITH NDC 0035
2	03/18/15	ISSUE WITH NDC 0036
3	09/22/15	ISSUE WITH NDC 0075

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
73	950.00'	32°37'22"	278.01'	540.91'	1,739,243.1163	6,497,600.6797
74	5000.00'	1°45'27"	76.69'	153.37'	1,739,776.5578	6,493,545.0888

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
6	5940.00'	4°34'56"	237.66'	475.06'	1,739,228.4943	6,492,839.8922
7	20000.00'	0°39'10"	113.93'	227.85'	1,739,292.4469	6,478,772.6424
8	4500.00'	2°24'01"	94.27'	188.52'	1,740,447.6585	6,503,246.1566
12	5918.00'	5°48'26"	300.17'	599.83'	1,739,228.4943	6,492,839.8922
13	20006.00'	1°25'05"	247.60'	495.18'	1,740,407.0670	6,518,741.1035
14	20004.00'	0°26'38"	77.50'	155.00'	1,740,233.1206	6,518,738.8915
46	1900.00'	5°02'43"	83.71'	167.31'	1,739,644.7794	6,496,921.0965
47	4500.00'	4°09'52"	163.61'	327.07'	1,740,517.0356	6,503,269.8027
48	1044.50'	5°02'43"	46.02'	91.98'	1,739,726.4239	6,497,792.8087

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

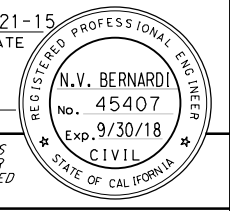
LAYOUT
SCALE: 1" = 50'

RELEASED FOR CONSTRUCTION
 IN ACCORDANCE WITH SECTION 2.4.2.5.4,
 OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Shimmick 06/06/2017
 SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

08-21-15
 REGISTERED CIVIL ENGINEER DATE
06/06/2017
 PLANS APPROVAL DATE

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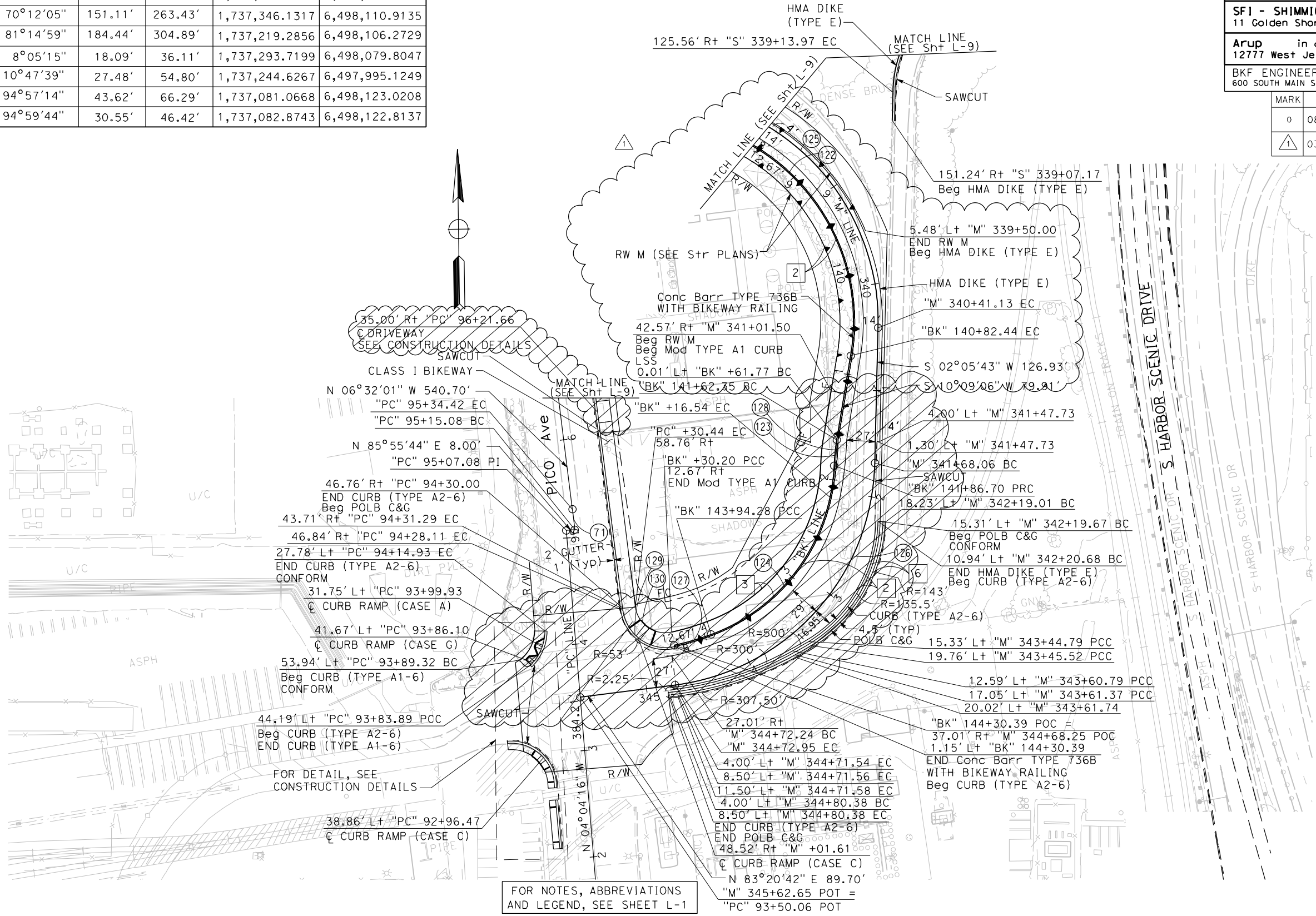
BKF ENGINEERS
 600 SOUTH MAIN STREET, SUITE 920, ORANGE, CA 92868

MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/21/14	RELEASED FOR CONSTRUCTION
1	03/05/17	ISSUE WITH NDC 209

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
71	450.00'	2°27'45"	9.67'	19.34'	1,737,120.5829	6,497,590.0630
122	191.85'	75°45'44"	149.25'	253.69'	1,737,346.1317	6,498,110.9135
123	200.00'	6°58'30"	12.19'	24.35'	1,737,198.4026	6,498,482.5478
124	176.85'	67°14'55"	117.61'	207.58'	1,737,219.2858	6,498,106.2727
125	215.00'	70°12'05"	151.11'	263.43'	1,737,346.1317	6,498,110.9135
126	215.00'	81°14'59"	184.44'	304.89'	1,737,219.2856	6,498,106.2729
127	255.85'	8°05'15"	18.09'	36.11'	1,737,293.7199	6,498,079.8047
128	290.85'	10°47'39"	27.48'	54.80'	1,737,244.6267	6,497,995.1249
129	40.00'	94°57'14"	43.62'	66.29'	1,737,081.0668	6,498,123.0208
130	28.00'	94°59'44"	30.55'	46.42'	1,737,082.8743	6,498,122.8137



LAYOUT
 SCALE: 1" = 50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 CONSULTANT FUNCTIONAL SUPERVISOR
 CALCULATED/DESIGNED BY
 CHECKED BY
 TRAVIS CHAN
 LUIS GARCIA
 REVISED BY
 DATE REVISED



DATE PLOTTED => 4/4/2017
 TIME PLOTTED => 9:27:44 AM

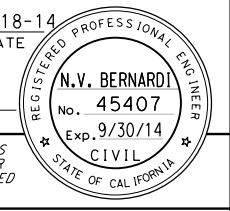
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
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OF BOOK 2, PROJECT REQUIREMENTS
Paul M. Shimmick 06/06/2017
SHIMMICK / FCC / IMPREGILO, A JOINT VENTURE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	710	3.6/6.0		

04-18-14
REGISTERED CIVIL ENGINEER DATE
06/06/2017
PLANS APPROVAL DATE

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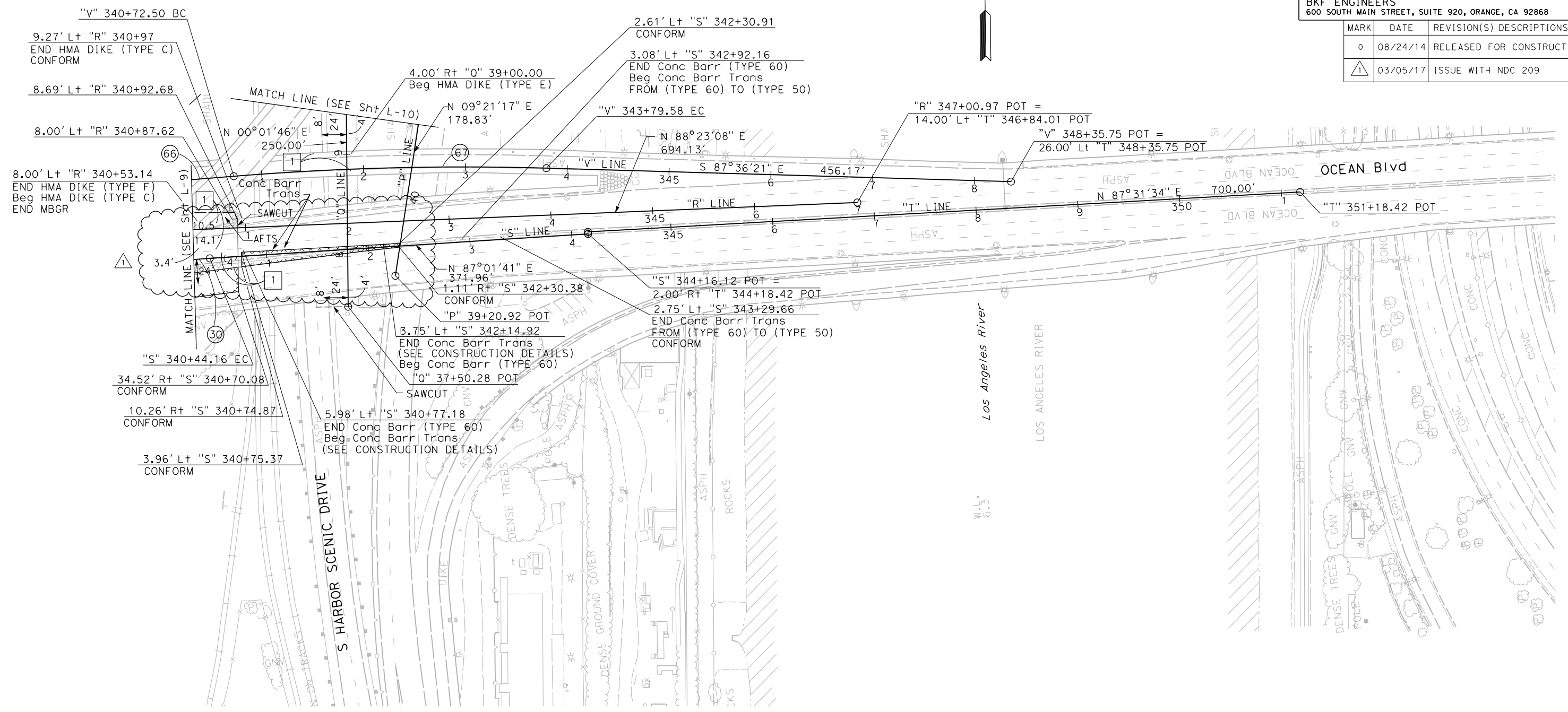
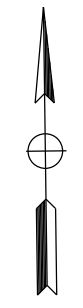
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MARK	DATE	REVISION(S) DESCRIPTIONS
0	08/24/14	RELEASED FOR CONSTRUCTION
1	03/05/17	ISSUE WITH NDC 209

CURVE DATA

No.	R	Δ	T	L	N - COORDINATE	E - COORDINATE
30	1000.00'	7°20'19"	64.13'	128.08'	1,736,699.2133	6,498,502.6482
66	400.00'	15°54'16"	55.88'	111.03'	1,738,166.3478	6,498,287.5566
67	2800.00'	6°17'01"	153.69'	307.08'	1,734,984.6393	6,498,665.2549



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
RFC

CONSULTANT FUNCTIONAL SUPERVISOR
TRAVIS CHAN
LUIS GARCIA

REVISOR
DATE

CHECKED BY
DATE

DESIGNED BY
DATE

CALCULATED BY
DATE

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

L-13