

APPENDIX A
PROJECT PLANS

City of Irvine Irvine Business Complex (IBC) Multi-Use Trail along Barranca Channel (between Barranca Parkway and Jamboree Road)

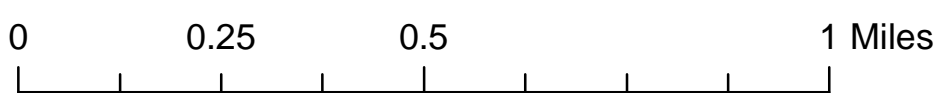
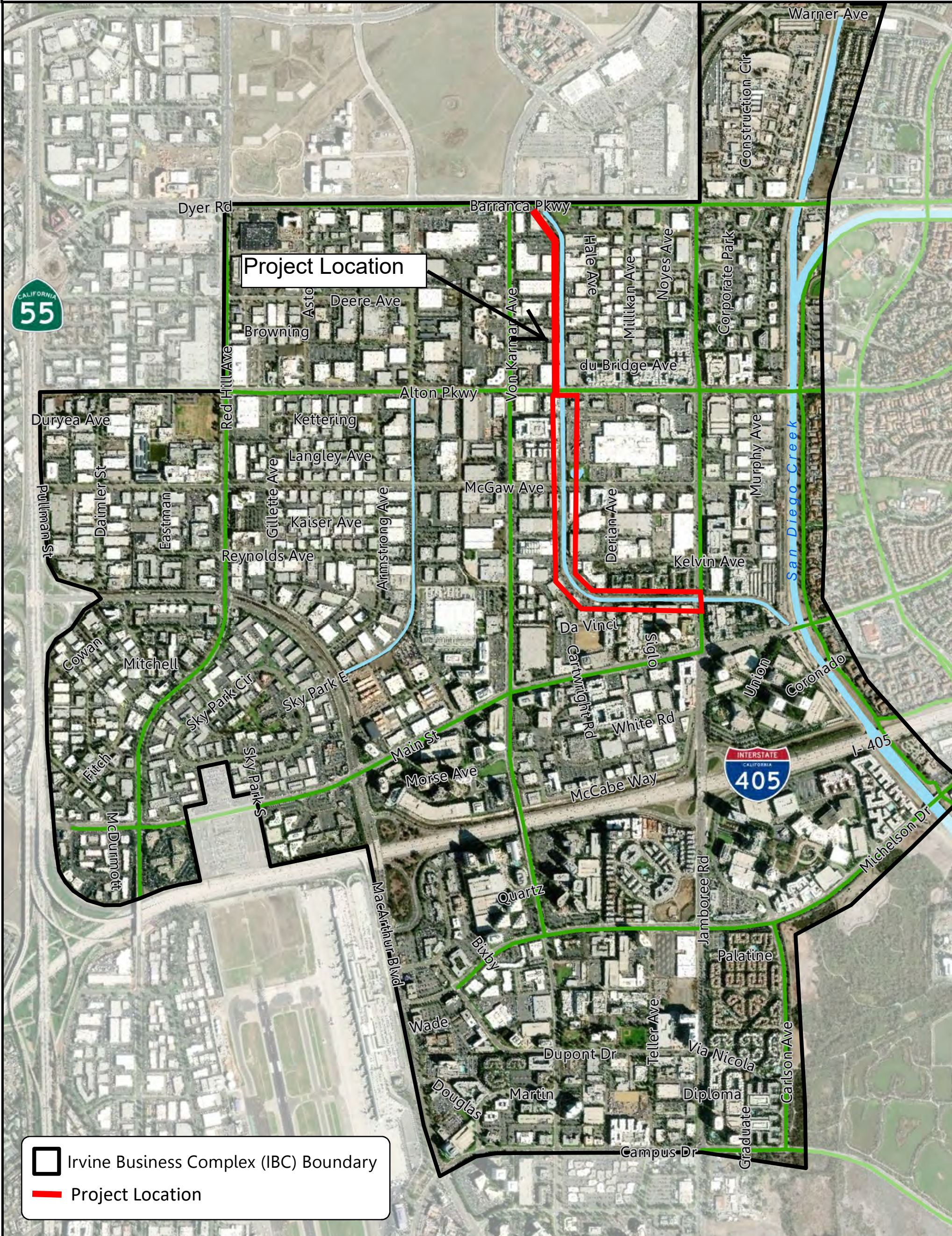
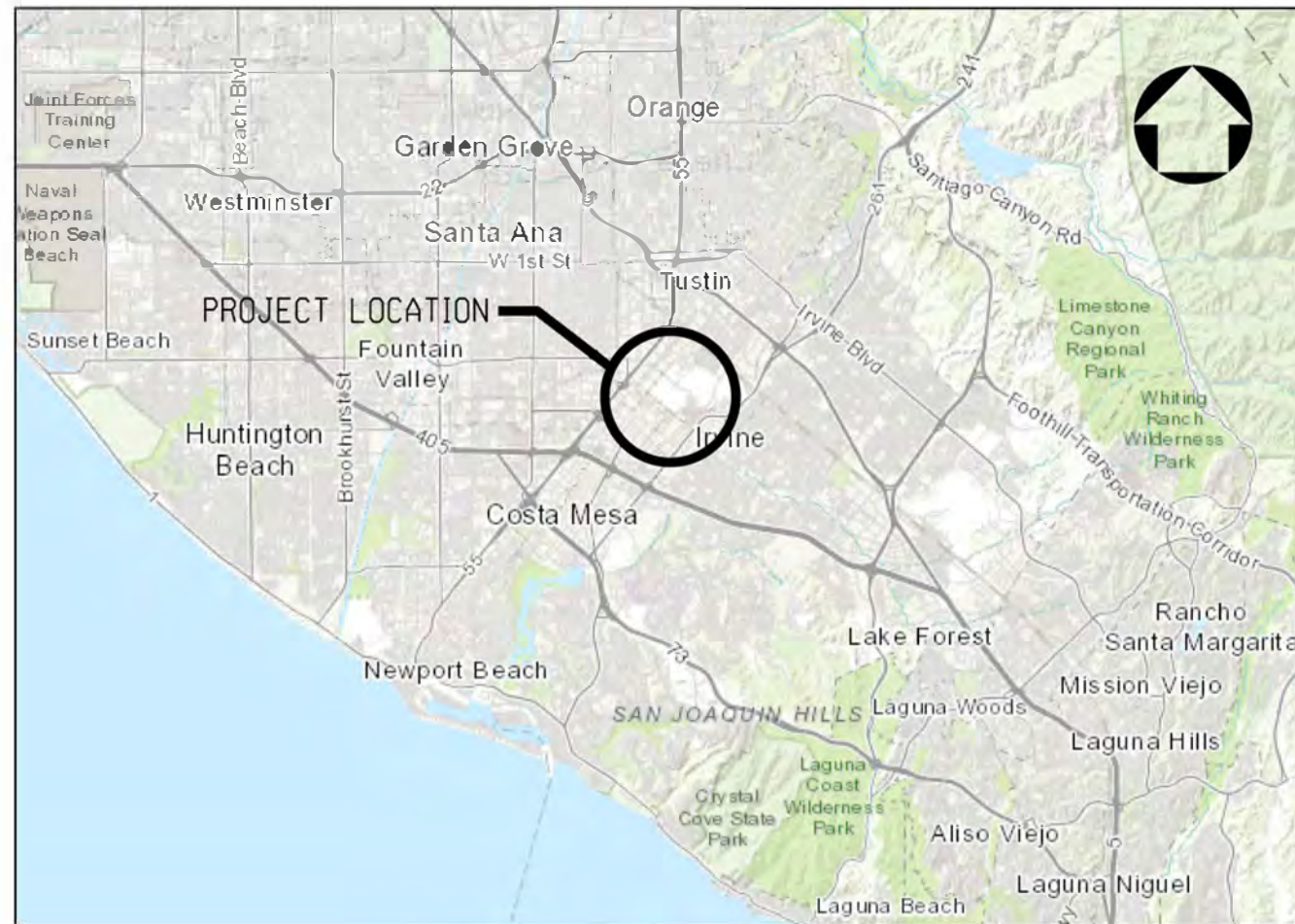


EXHIBIT B

BNSF RAILWAY IRVINE INDUSTRIAL PARK SUBDIVISION LINE SEGMENT 7600 ORANGE COUNTY FLOOD CONTROL DISTRICT CITY OF IRVINE IBC TRAILS FEASIBILITY STUDY RIGHT-OF-WAY EXHIBIT



VICINITY MAP
NOT TO SCALE



DATE OF PRELIMINARY PLANS: 15 APRIL 2020
 DATE OF BNSF RECORDS: 15 JUNE 2016
 DATE OF OCFCD RECORDS: 26 OCTOBER 1988
 DATE OF COUNTY RECORDER: AUGUST 2018

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 2020-06-08

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATION	PHYSICAL ENTITY	WORK ELEMENT

INDEX OF DRAWINGS

SHEET NO.	DWG NO.	TITLE	JURISDICTION	IBC TRAILS SEGMENT NO.	NOTES
1	GE-01	TITLE SHEET			1. SHEETS 27-30 PETERS CANYON WASH
2	GE-02	INDEX OF DRAWINGS			2. SHEETS 30-37 SAN DIEGO CREEK
3	GE-03	KEY MAP			3. SHEETS 38-41 ARMSTRONG CHANNEL
4	RA-01	IBC TRAILS R/W EXHIBIT	TUSTIN	1	4. SHEETS 42-46 BARRANCA CHANNEL
5	RA-02	IBC TRAILS R/W EXHIBIT	TUSTIN	1	
6	RA-03	IBC TRAILS R/W EXHIBIT	TUSTIN	1	
7	RA-04	IBC TRAILS R/W EXHIBIT	TUSTIN	1	
8	RA-05	IBC TRAILS R/W EXHIBIT	TUSTIN/SANTA ANA	1	
9	RA-06	IBC TRAILS R/W EXHIBIT	SANTA ANA	1	
10	RA-07	IBC TRAILS R/W EXHIBIT	SANTA ANA	1	
11	RA-08	IBC TRAILS R/W EXHIBIT	SANTA ANA	1/2	
12	RA-09	IBC TRAILS R/W EXHIBIT	SANTA ANA/IRVINE	1	
13	RA-10	IBC TRAILS R/W EXHIBIT	IRVINE	1	
14	RA-11	IBC TRAILS R/W EXHIBIT	IRVINE	1	
15	RA-12	IBC TRAILS R/W EXHIBIT	SANTA ANA/IRVINE	2	
16	RA-13	IBC TRAILS R/W EXHIBIT	IRVINE	2	
17	RA-14	IBC TRAILS R/W EXHIBIT	IRVINE	2	
18	RA-15	IBC TRAILS R/W EXHIBIT	IRVINE	2	
19	RA-16	IBC TRAILS R/W EXHIBIT	IRVINE	2	
20	RA-17	IBC TRAILS R/W EXHIBIT	IRVINE	2	
21	RA-18	IBC TRAILS R/W EXHIBIT	IRVINE	2	
22	RA-19	IBC TRAILS R/W EXHIBIT	IRVINE	2	
23	RA-20	IBC TRAILS R/W EXHIBIT	IRVINE	2/3	
24	RA-21	IBC TRAILS R/W EXHIBIT	IRVINE	2/6	
25	RA-22	IBC TRAILS R/W EXHIBIT	IRVINE	2	
26	RA-23	IBC TRAILS R/W EXHIBIT	IRVINE	3	BNSF
27	CA-01	IBC TRAILS R/W EXHIBIT	IRVINE	4	OCFCD
28	CA-02	IBC TRAILS R/W EXHIBIT	IRVINE	4	
29	CA-03	IBC TRAILS R/W EXHIBIT	IRVINE	4	
30	CA-04	IBC TRAILS R/W EXHIBIT	IRVINE	4	
31	CA-05	IBC TRAILS R/W EXHIBIT	IRVINE	4	
32	CA-06	IBC TRAILS R/W EXHIBIT	IRVINE	4	
33	CA-07	IBC TRAILS R/W EXHIBIT	IRVINE	4	
34	CA-08	IBC TRAILS R/W EXHIBIT	IRVINE	4/6	
35	CA-09	IBC TRAILS R/W EXHIBIT	IRVINE	4	
36	CA-10	IBC TRAILS R/W EXHIBIT	IRVINE	4	
37	CA-11	IBC TRAILS R/W EXHIBIT	IRVINE	4	
38	CA-12	IBC TRAILS R/W EXHIBIT	IRVINE	5	
39	CA-13	IBC TRAILS R/W EXHIBIT	IRVINE	5	
40	CA-14	IBC TRAILS R/W EXHIBIT	IRVINE	5	
41	CA-15	IBC TRAILS R/W EXHIBIT	IRVINE	5	
42	CA-16	IBC TRAILS R/W EXHIBIT	IRVINE	6	
43	CA-17	IBC TRAILS R/W EXHIBIT	IRVINE	6	
44	CA-18	IBC TRAILS R/W EXHIBIT	IRVINE	6	
45	CA-19	IBC TRAILS R/W EXHIBIT	IRVINE	6/7/8	
46	CA-20	IBC TRAILS R/W EXHIBIT	IRVINE	6	
47	CA-21	IBC TRAILS R/W EXHIBIT	IRVINE	7/8	

Information confidential
 all plans, drawings, specifications, and/or information
 furnished herewith shall
 remain the property of the
 BNSF Railway and shall be held
 confidential and shall not be
 used for any purpose
 not provided for in agreements
 with the BNSF Railway

DESIGNED BY	MG
DRAWN BY	MG
CHECKED BY	MC
APPROVED BY	
DATE	APRIL 15, 2020

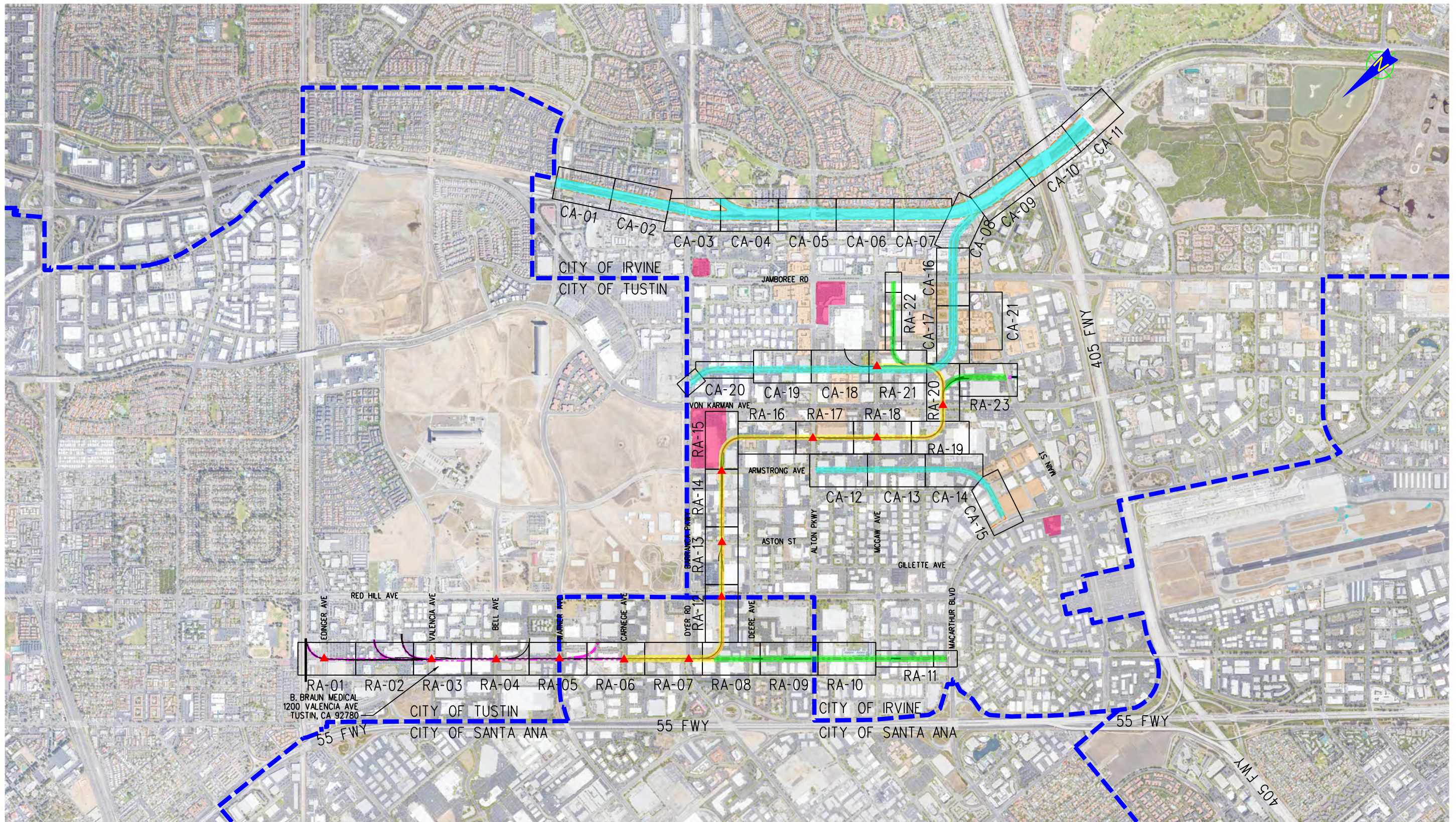


BNSF RAILWAY
 IRVINE INDUSTRIAL PARK SUBDIVISION
 LINE SEGMENT 7600
 IBC TRAILS FEASIBILITY STUDY
 INDEX OF DRAWINGS

CONTRACT NO.	
DRAWING NO.	GE-02
REVISION	1 SHEET NO. 2
SCALE	21

REV	DATE	DESCRIPTION	BY	SUB	APP

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PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

Information confidential
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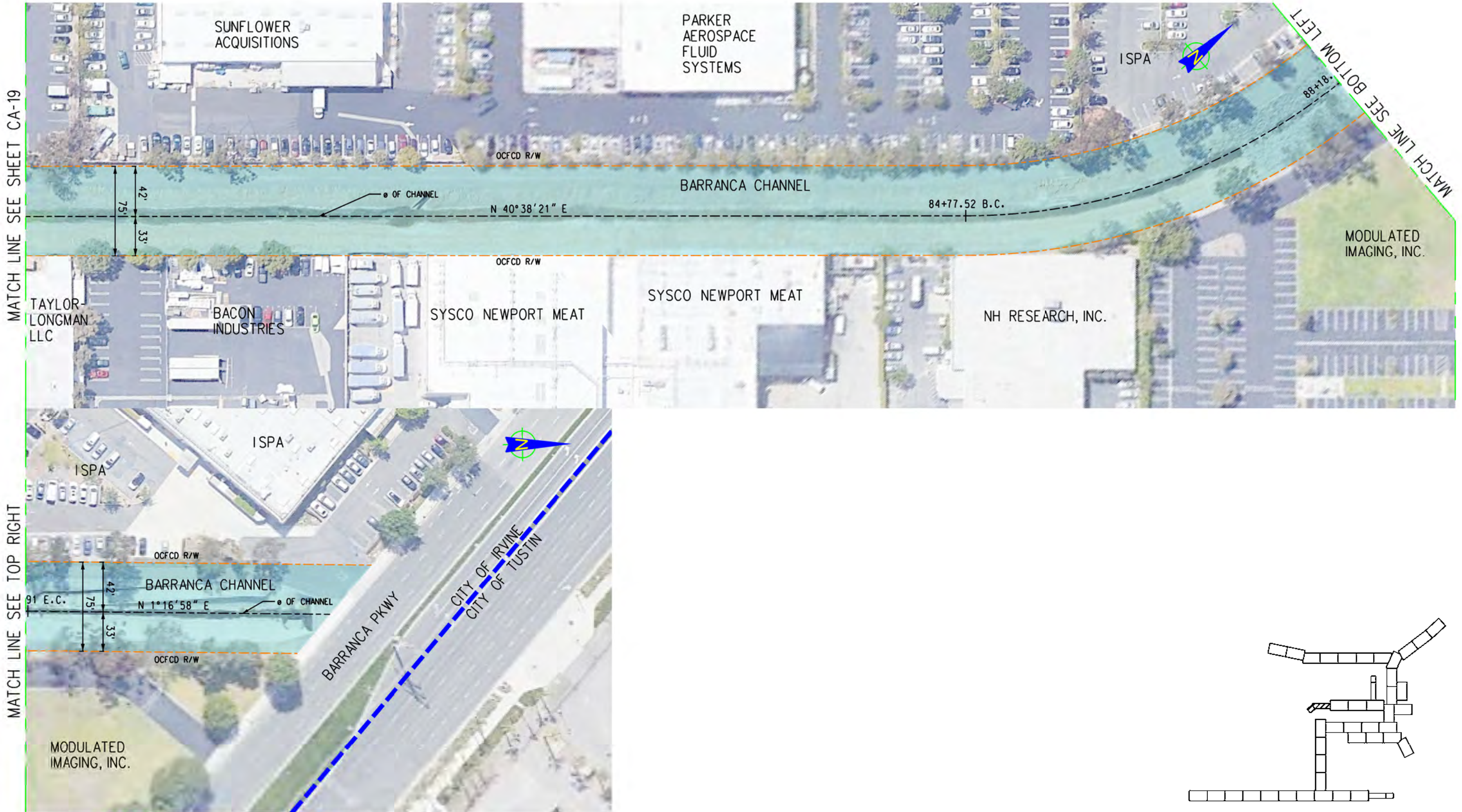


BNSF RAILWAY
 IRVINE INDUSTRIAL PARK SUBDIVISION
 LINE SEGMENT 7600
 IBC TRAILS FEASIBILITY STUDY
 KEY MAP

CONTRACT NO.	
DRAWING NO.	GE-03
REVISION 1	SHEET NO. 3
SCALE	1/2" = 1000'

REV	DATE	DESCRIPTION	BY	SUB	APP

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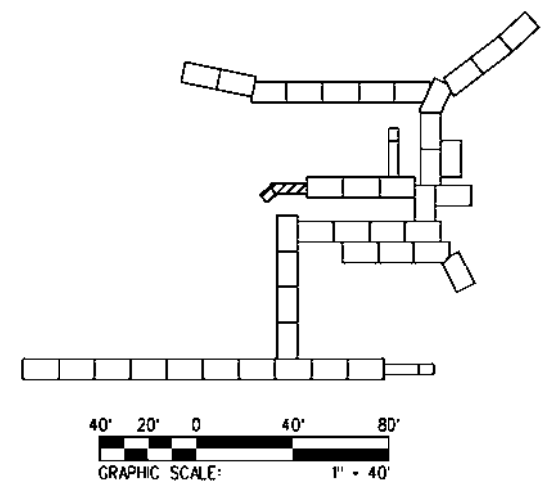
MATCH LINE SEE TOP RIGHT

MATCH LINE SEE SHEET CA-19

MATCH LINE SEE BOTTOM LEFT

PROPOSED PURCHASE AREA TYPES:
 OPERATIONAL BNSF R/W
 NON-OPERATIONAL BNSF R/W
 BNSF R/W PREVIOUSLY SOLD
 OCFCD R/W

JURISDICTION: CITY OF IRVINE



PROJECT NUMBER	COST ELEMENT	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

REV	DATE	DESCRIPTION	BY	APP

Information confidential all plans, drawings, specifications, and/or information furnished here with shall remain the property of the BNSF Railway and shall not be used for any purpose not provided for in agreements with the BNSF Railway.

DESIGNED BY MC
 DRAWN BY MC
 CHECKED BY MC
 APPROVED BY
 DATE APRIL 15, 2020



ORANGE COUNTY FLOOD CONTROL DISTRICT
 CITY OF IRVINE
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 STA 2+84.89 TO STA 90+00.00

CONTRACT NO.	
DRAWING NO.	CA-20
REVISION	1 SHEET NO. 46
SCALE	A3 SHOWN

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PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

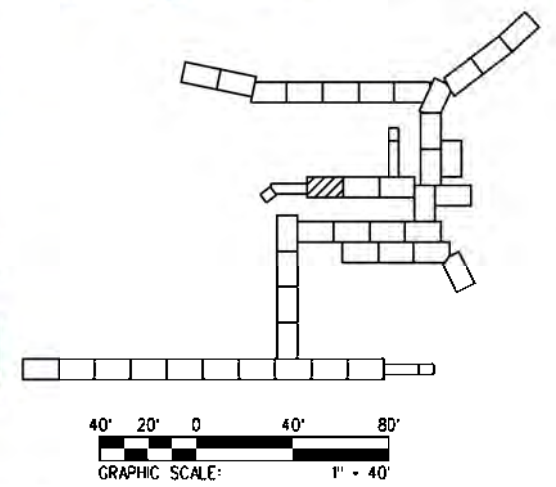


MATCH LINE SEE SHEET CA-18

MATCH LINE SEE SHEET CA-20

PROPOSED PURCHASE AREA TYPES:
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 NON-OPERATIONAL BNSF R/W
 BNSF R/W PREVIOUSLY SOLD
 OCFCD R/W
 RESIDENTIAL ZONE

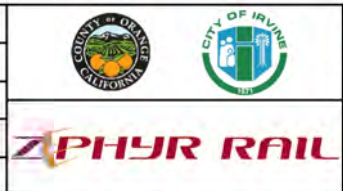
JURISDICTION: CITY OF IRVINE



REV	DATE	DESCRIPTION	BY	APP

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 DRAWN BY: MC
 CHECKED BY: MC
 APPROVED BY:
 DATE: APRIL 15, 2020

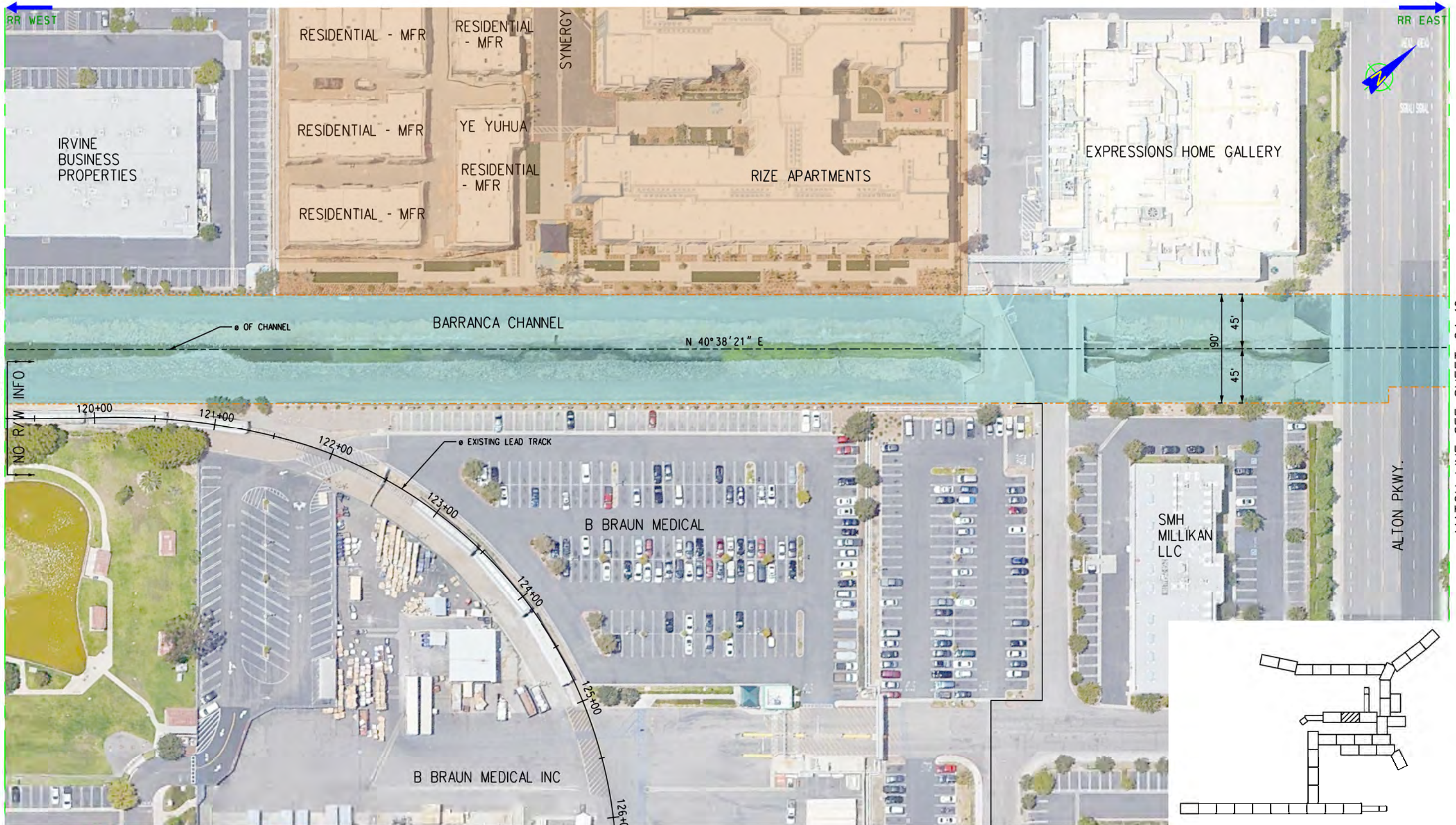


ORANGE COUNTY FLOOD CONTROL DISTRICT
 CITY OF IRVINE
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 STA 2+84.89 TO STA 90+00.00

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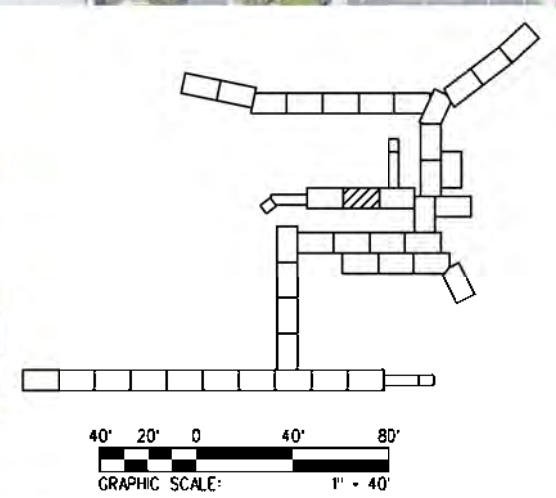
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PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT



PROPOSED PURCHASE AREA TYPES:
 OPERATIONAL BNSF R/W
 NON-OPERATIONAL BNSF R/W
 BNSF R/W PREVIOUSLY SOLD
 OCFCD R/W
 RESIDENTIAL ZONE

JURISDICTION: CITY OF IRVINE



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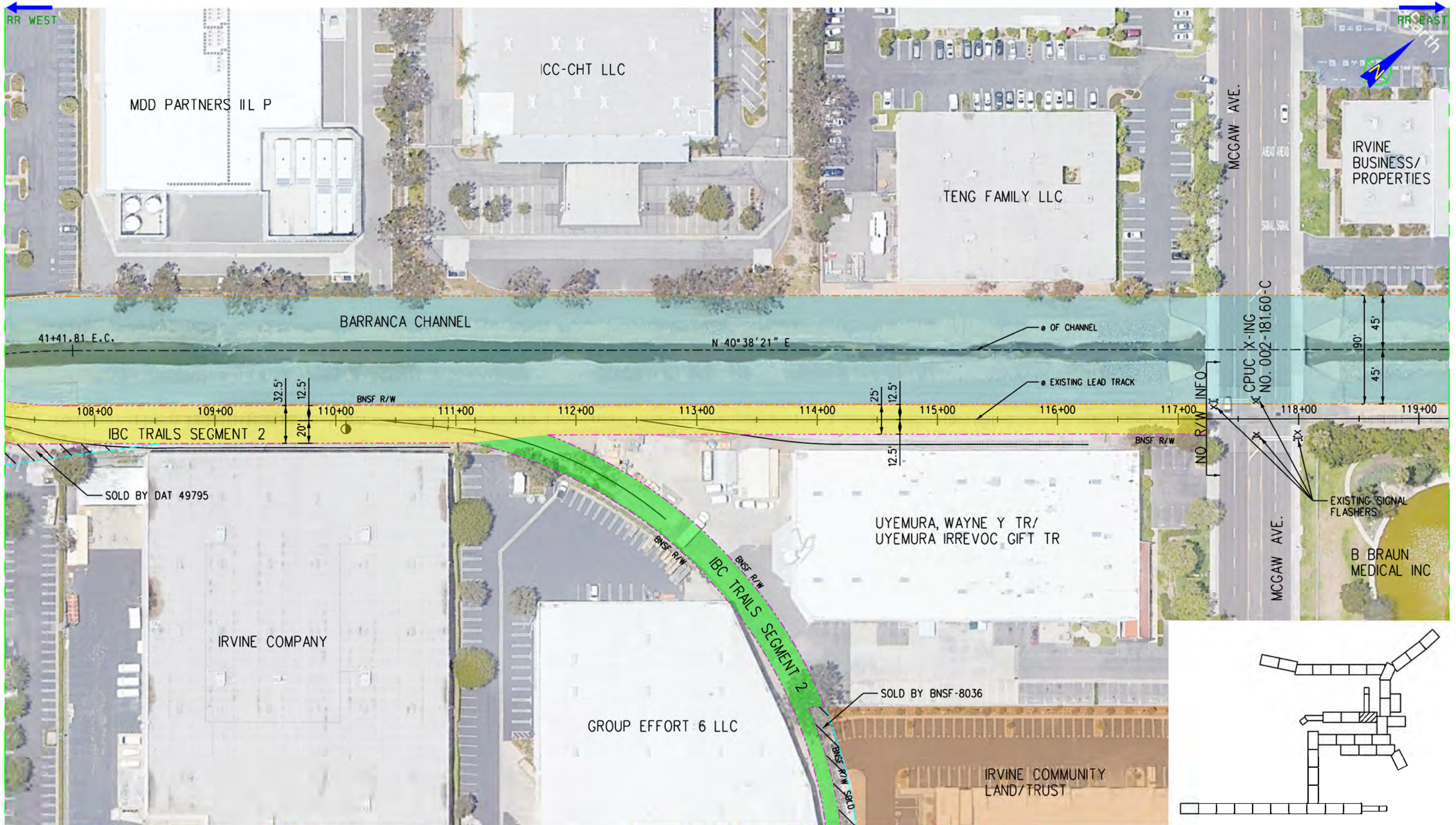
ORANGE COUNTY FLOOD CONTROL DISTRICT
 CITY OF IRVINE
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 STA 2+84.89 TO STA 90+00.00

CONTRACT NO.	
DRAWING NO.	CA-18
REVISION	1 SHEET NO. 44
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MATCH LINE SEE SHEET RA-21

MATCH LINE SEE SHEET CA-19

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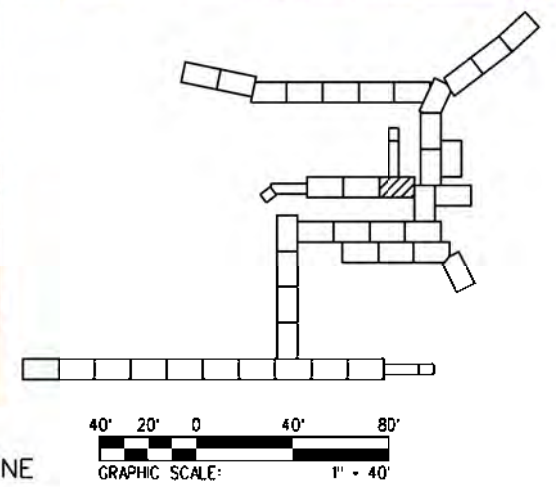


MATCH LINE SEE SHEET RA-20

MATCH LINE SEE SHEET CA-18

MATCH LINE SEE SHEET RA-22

PROPOSED PURCHASE AREA TYPES:
 OPERATIONAL BNSF R/W
 NON-OPERATIONAL BNSF R/W
 BNSF R/W PREVIOUSLY SOLD
 OCFCD R/W
 RESIDENTIAL ZONE



JURISDICTION: CITY OF IRVINE

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

REV	DATE	DESCRIPTION	BY	APP

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DESIGNED BY: MC
 DRAWN BY: MC
 CHECKED BY: MC
 APPROVED BY:
 DATE: APRIL 15, 2020

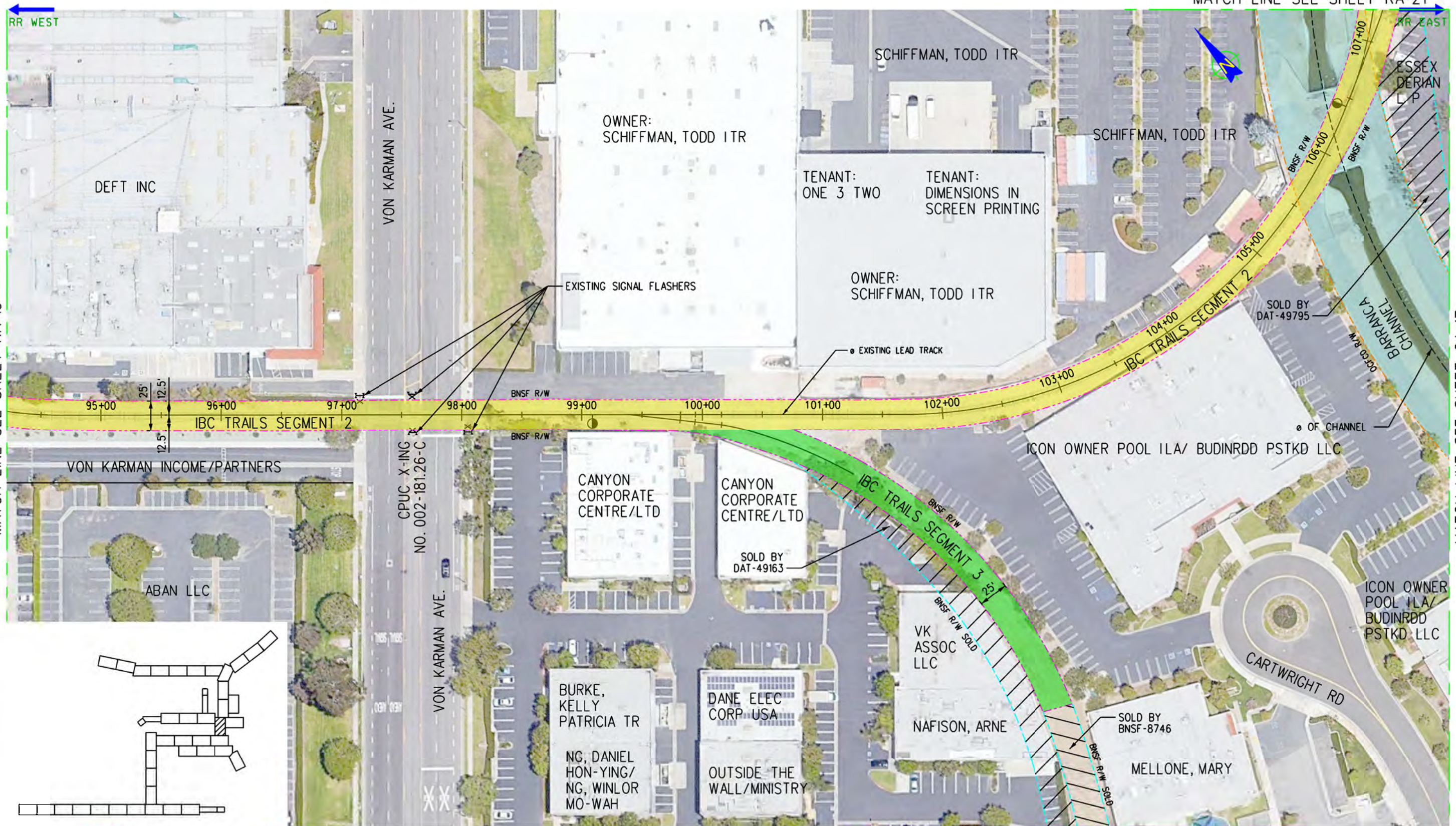


BNSF RAILWAY
 IRVINE INDUSTRIAL PARK SUBDIVISION
 LINE SEGMENT 7600
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 MP 177.50 TO MP 181.60

CONTRACT NO.	
DRAWING NO.	RA-21
REVISION	1 SHEET NO. 24
SCALE	A36 SHOWN

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MATCH LINE SEE SHEET RA-21



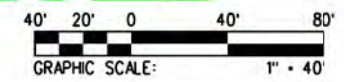
MATCH LINE SEE SHEET RA-19

MATCH LINE SEE SHEET CA-17

PROPOSED PURCHASE AREA TYPES:
 OPERATIONAL BNSF R/W
 NON-OPERATIONAL BNSF R/W
 OCFCD R/W
 BNSF R/W PREVIOUSLY SOLD

JURISDICTION: CITY OF IRVINE

MATCH LINE SEE SHEET RA-23



LINE ITEM	CONTRACT DESIGNATION	PHYSICAL ELEMENT	WORK ELEMENT
PROJECT NUMBER			
REV	DATE	DESCRIPTION	BY
			APP

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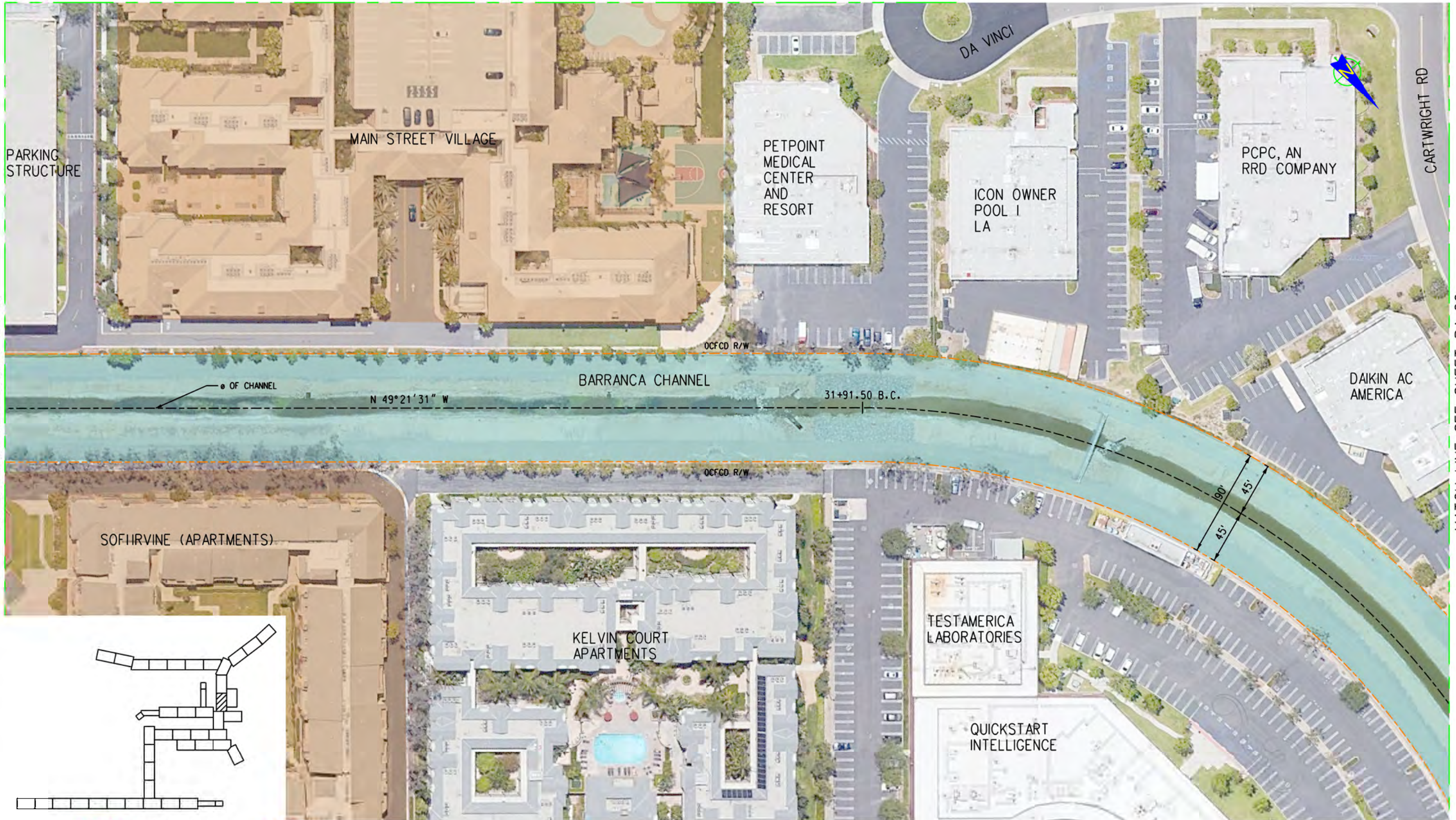
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 DRAWN BY: MG
 CHECKED BY: MC
 APPROVED BY:
 DATE: APRIL 15, 2020



BNSF RAILWAY
 IRVINE INDUSTRIAL PARK SUBDIVISION
 LINE SEGMENT 7600
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 MP 177.50 TO MP 181.60

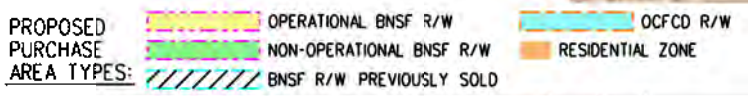
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REVISION	1 SHEET NO. 23
SCALE	A87 SHOWN

MATCH LINE SEE SHEET CA-21

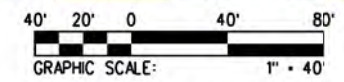


MATCH LINE SEE SHEET CA-16

MATCH LINE SEE SHEET RA-20



JURISDICTION: CITY OF IRVINE



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2020-06-08

PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT

REV	DATE	DESCRIPTION	BY	APP

Information confidential all plans, drawings, specifications, and/or information furnished here with shall remain the property of the BNSF Railway and shall be held confidential and shall not be used for any purpose not provided for in agreements with the BNSF Railway.

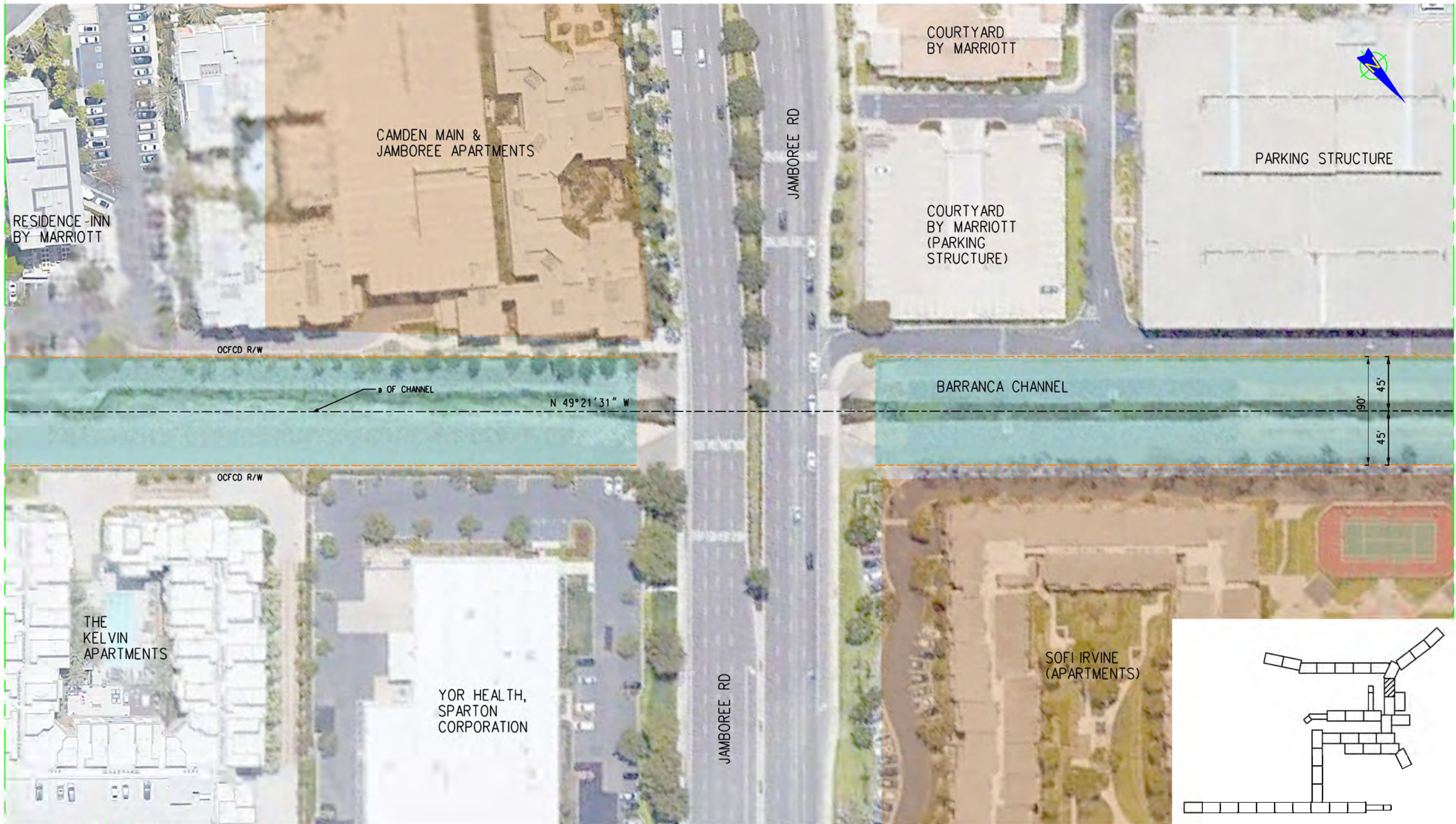
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DRAWN BY	MG
CHECKED BY	MC
APPROVED BY	
DATE	APRIL 15, 2020



ORANGE COUNTY FLOOD CONTROL DISTRICT
CITY OF IRVINE
IBC TRAILS FEASIBILITY STUDY
RIGHT-OF-WAY EXHIBIT
STA 2+84.89 TO STA 90+00.00

CONTRACT NO.	
DRAWING NO.	CA-17
REVISION	1 SHEET NO. 43
SCALE	A88 SHOWN

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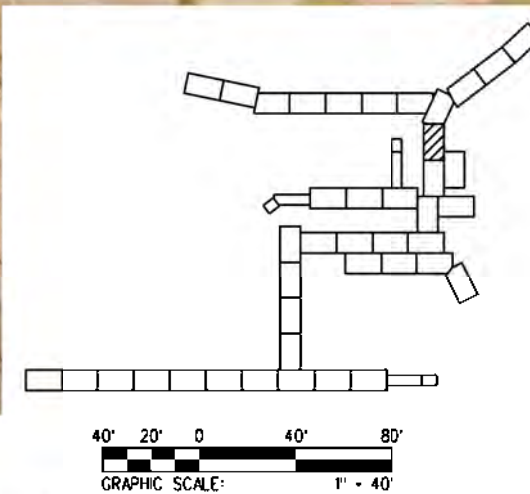


MATCH LINE SEE SHEET CA-08

MATCH LINE SEE SHEET CA-17

PROPOSED PURCHASE AREA TYPES:
 OPERATIONAL BNSF R/W
 NON-OPERATIONAL BNSF R/W
 BNSF R/W PREVIOUSLY SOLD
 OCFCD R/W
 RESIDENTIAL ZONE

JURISDICTION: CITY OF IRVINE



PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT
REV	DATE	DESCRIPTION	BY	APP	

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DESIGNED BY MG
 DRAWN BY MG
 CHECKED BY MC
 APPROVED BY
 DATE APRIL 15, 2020



ORANGE COUNTY FLOOD CONTROL DISTRICT
 CITY OF IRVINE
 IBC TRAILS FEASIBILITY STUDY
 RIGHT-OF-WAY EXHIBIT
 STA 2+84.89 TO STA 90+00.00

CONTRACT NO.	
DRAWING NO.	CA-16
REVISION	1 SHEET NO. 42
SCALE	AS SHOWN

NOT FOR CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS

CITY OF

IRVINE

ORANGE COUNTY, CALIFORNIA

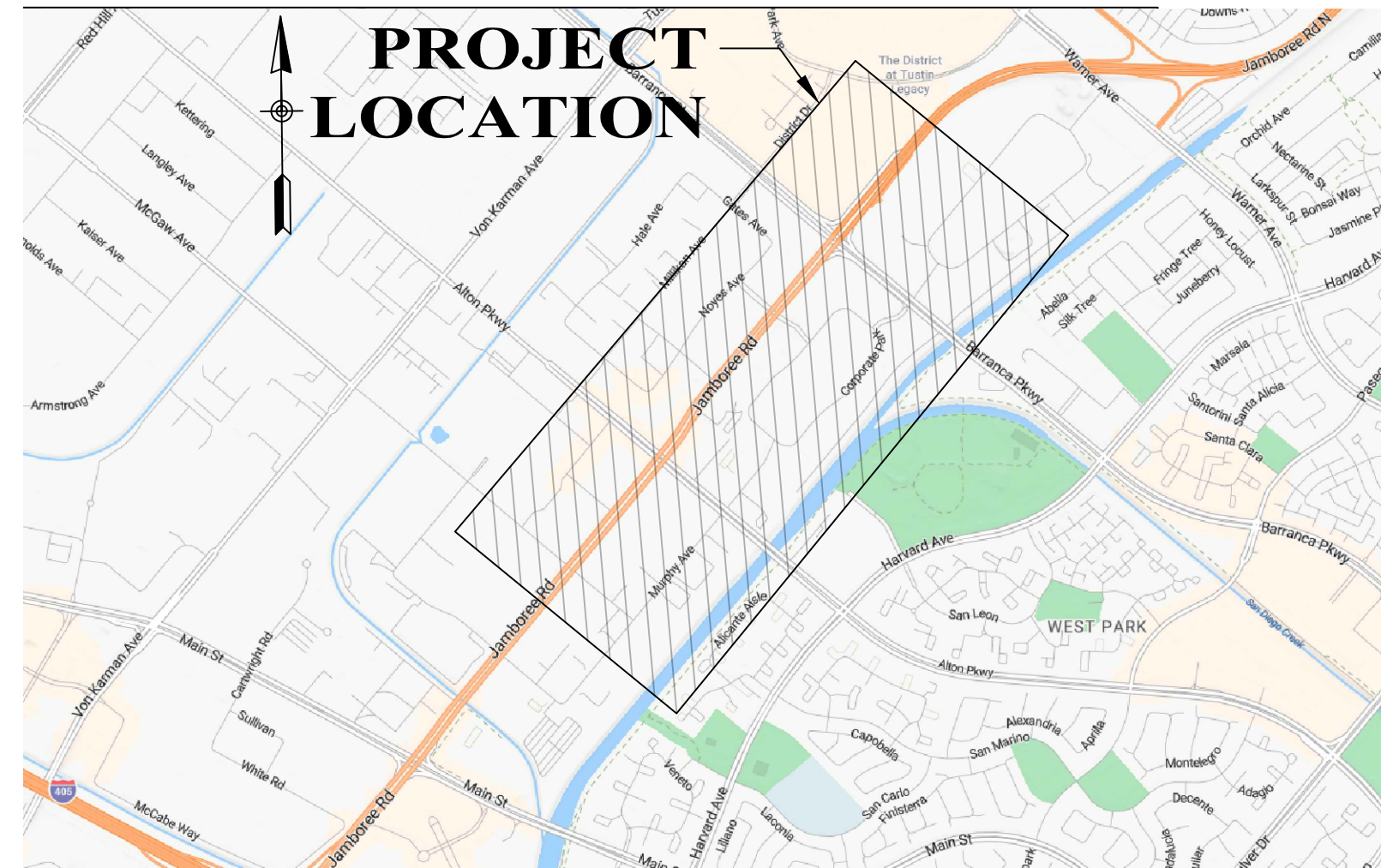
PLANS FOR
IBC MULTI USE TRAIL
FROM JAMBOREE ROAD TO BARRANCA PARKWAY
CONSTRUCTION PROJECT

CIP 371302

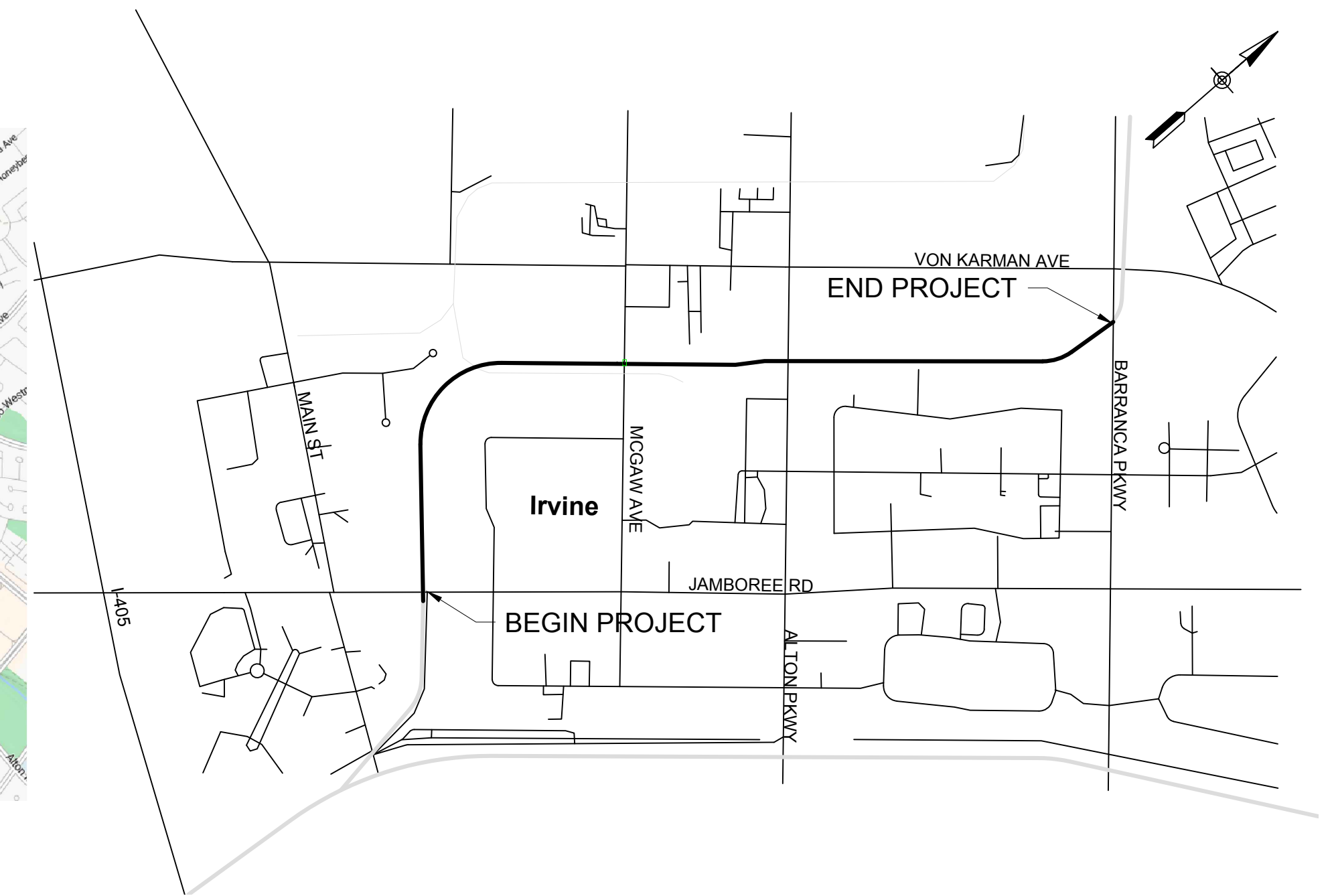
INDEX OF DRAWINGS

SHEET NO.	PLANS
1	TITLE
2	KEYMAP
3	TYPICAL SECTIONS
4	PLAN AND PROFILE STA 1+00 TO STA 8+10
5	PLAN AND PROFILE STA 8+10 TO STA 13+20
6	PLAN AND PROFILE STA 13+20 TO STA 17+49
7	PLAN AND PROFILE STA 17+49 TO STA 23+20
8	PLAN AND PROFILE STA 23+20 TO STA 30+50
9	PLAN AND PROFILE STA 30+50 TO STA 37+50
10	PLAN AND PROFILE STA 37+50 TO STA 44+50
11	PLAN AND PROFILE STA 44+50 TO STA 51+50
12	PLAN AND PROFILE STA 51+50 TO STA 58+50
13	PLAN AND PROFILE STA 58+50 TO STA 67+80
14	PLAN AND PROFILE STA 67+80 TO STA 72+25
15	DETAILS

PROJECT LOCATION MAP



VICINITY MAP



NOTES

1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)

LEGEND

B.C.	BEGIN CURVE	MH	MANHOLE
BEG	BEGIN	MIN.	MINIMUM
BTM	BOTTOM	OCPW	ORANGE COUNTY PUBLIC WORKS
BTWN	BETWEEN	PCC	PORTLAND CEMENT CONCRETE
☉	CENTER LINE	PCC	POINT OF COMPOUND CURVATURE
CITY OF IRVINE	COI	PRC	POINT OF REVERSE CURVATURE
CMB	CRUSHED MISCELLANEOUS BASE	SS	SANITARY SEWER
DIA	DIAMETER	STA	STATION
EA.	EACH	TC	TOP OF CURB
E.C.	END CURVE	TYP	TYPICAL
EX.	EXISTING	VAR	VARIES
FL	FLOWLINE	VC	VERTICAL CURVE
FS	FINISHED SURFACE		
MAX	MAXIMUM		

DRAFT

VIEW =
DWG =
PATH =

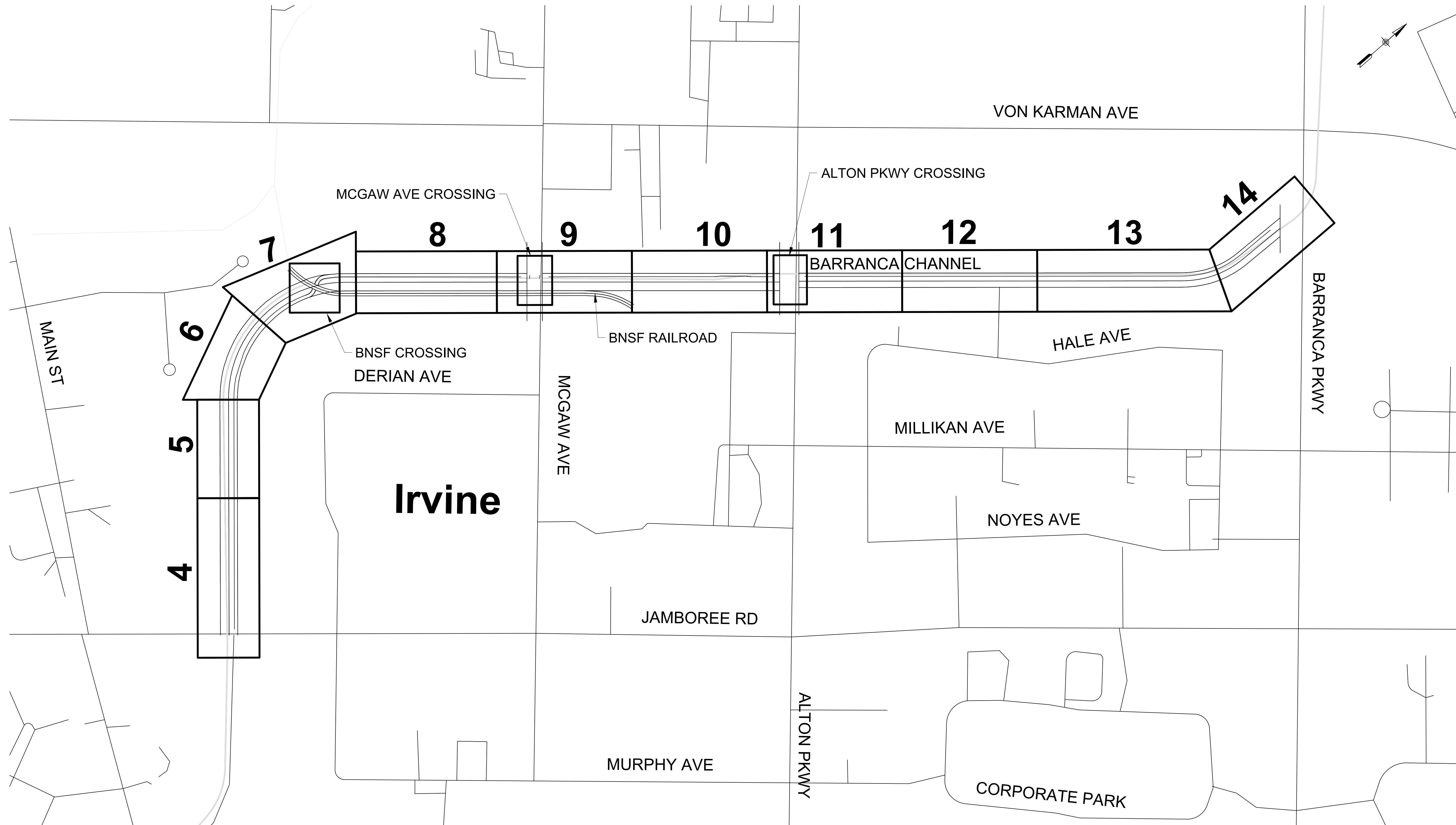
NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE

PLAN PREPARED BY:	DATE
ARCADIS	11/09/2022

TITLE
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL (JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE PUBLIC WORKS DEPARTMENT

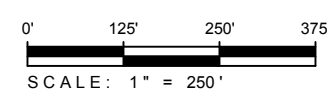
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PERMIT NO.
PROJECT NO. 138014
SHEET 1
OF 15

NOT FOR CONSTRUCTION



DRAFT

VIEW =
DWG =
PATH =



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE

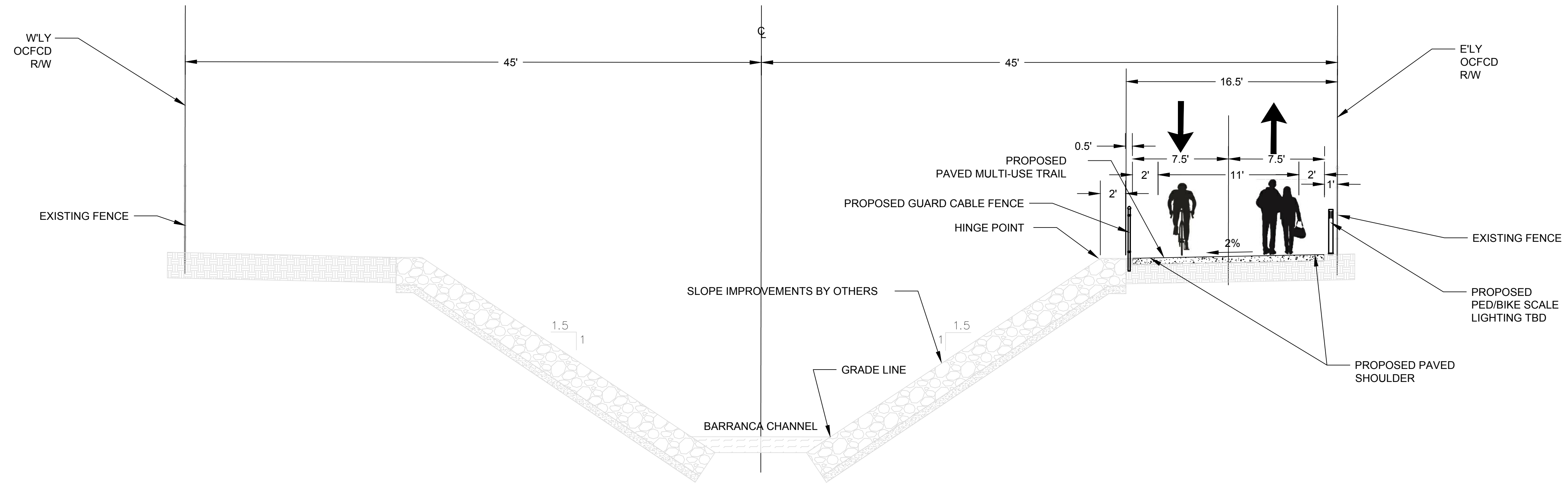
PLAN PREPARED BY:

DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:

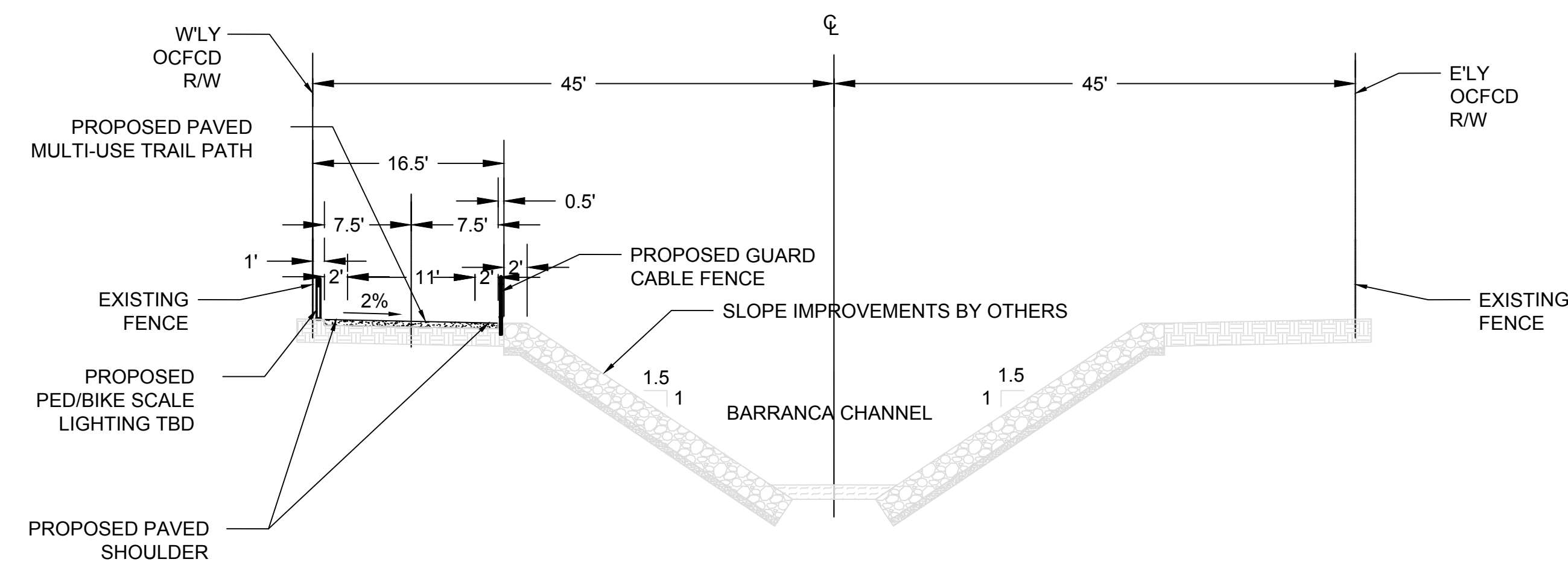
KEYMAP
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 2 OF 15

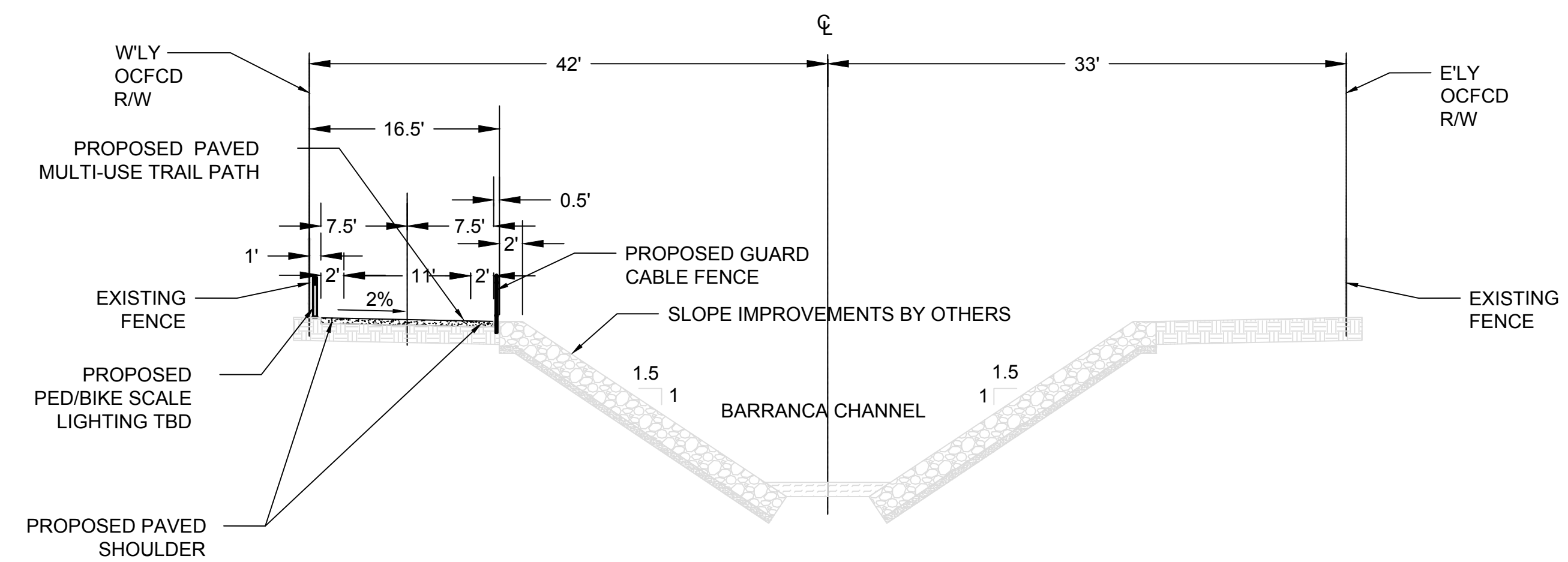
NOT FOR CONSTRUCTION



TYPICAL SECTION STA 1+00 TO STA 20+06
JAMBOREE ROAD TO BNSF RAILROAD CROSSING
N.T.S

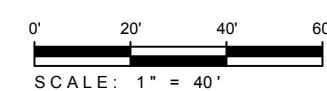


TYPICAL SECTION STA 21+70 TO STA 45+15
BNSF RAILROAD CROSSING TO ALTON PARKWAY
N.T.S



TYPICAL SECTION STA 46+15 TO STA 71+25
ALTON PARKWAY TO BARRANCA PARKWAY
N.T.S

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NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



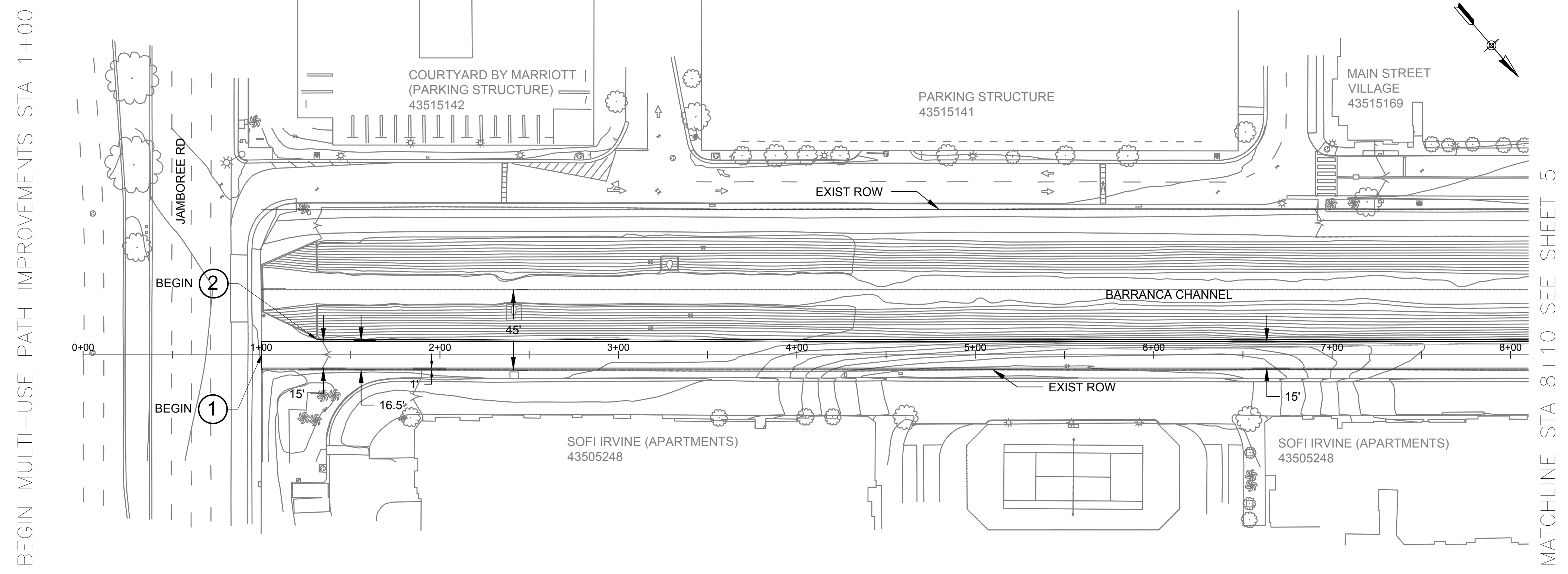
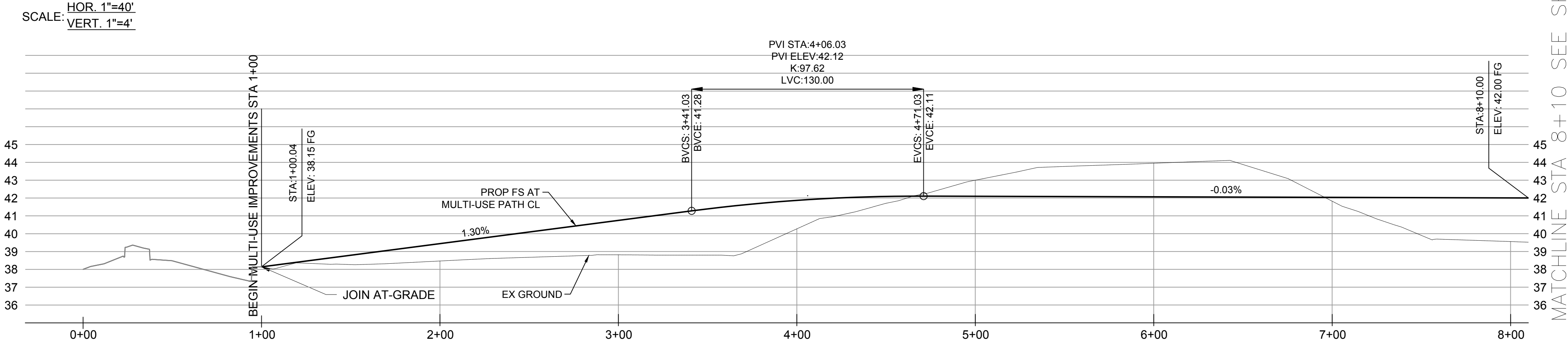
TYPICAL SECTIONS
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)

CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

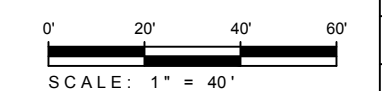
PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 3 OF 15

VIEW =
DWG =
PATH =

NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

DRAWN BY: B. VONG		DATE: 11/09/2022
DESIGNED BY: L. LA POINT		DATE:
CHECKED BY: T. DUTTA		DATE:

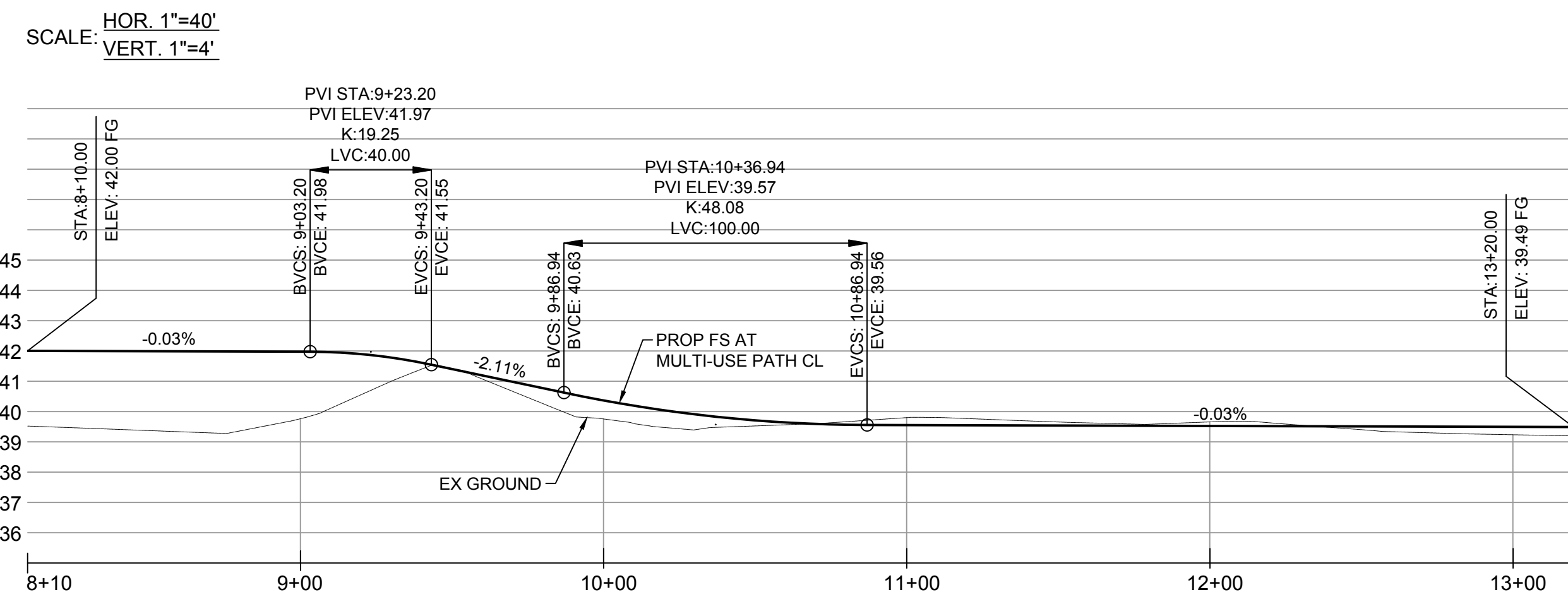


PLAN CHECK NO.	
PERMIT NO.	
PROJECT NO.	138014
SHEET	4
OF 15	

PLAN AND PROFILE STA 1+00 TO STA 8+10
 IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
 (JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
 PUBLIC WORKS DEPARTMENT

VIEW =
 DWG =
 PATH =

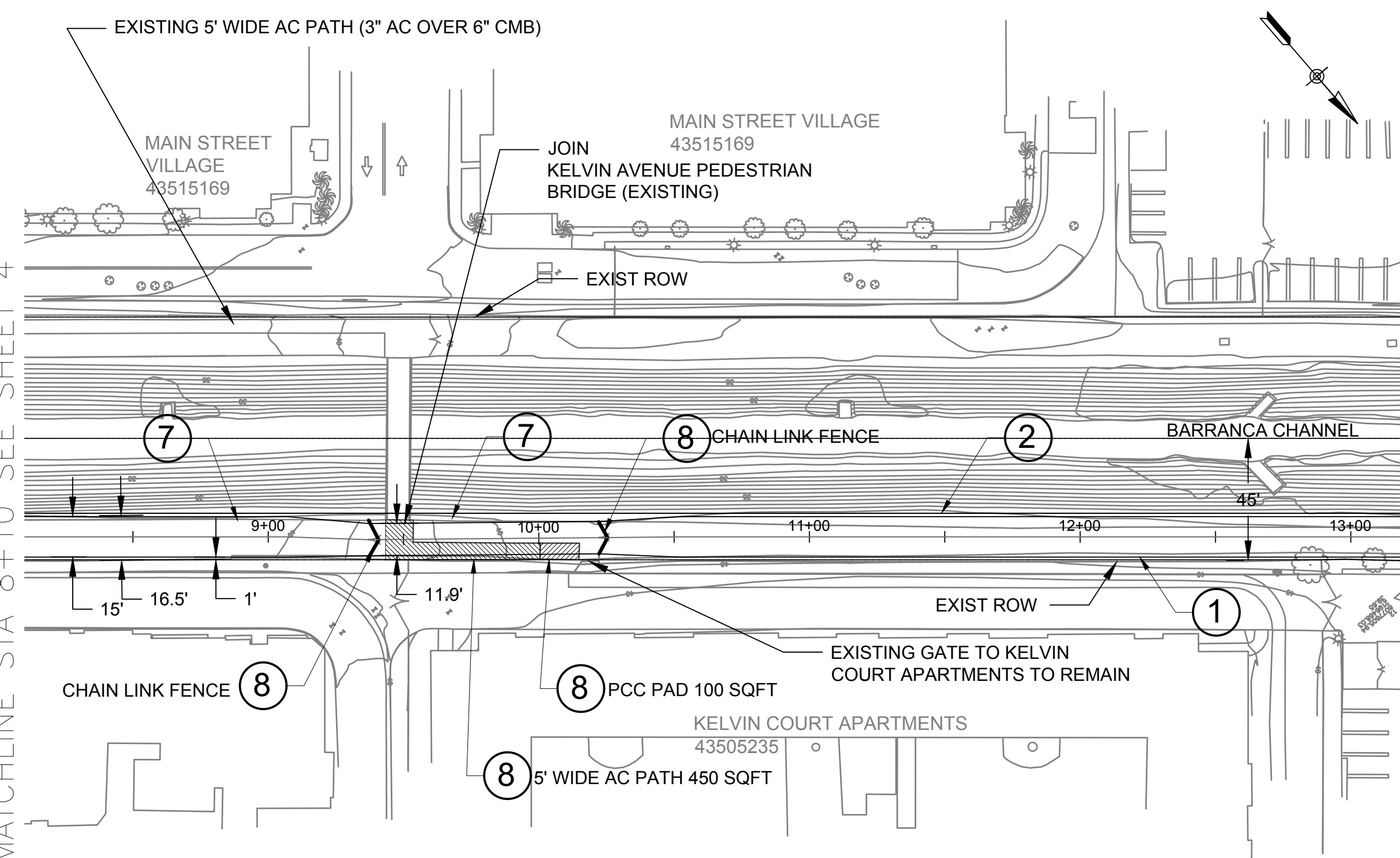
MATCHLINE STA 8+10 SEE SHEET 4



MATCHLINE STA 13+20 SEE SHEET 6

NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)

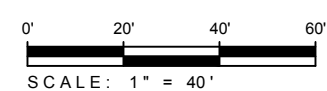
MATCHLINE STA 8+10 SEE SHEET 4



MATCHLINE STA 13+20 SEE SHEET 6

DRAFT

VIEW =
DWG =
PATH =



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

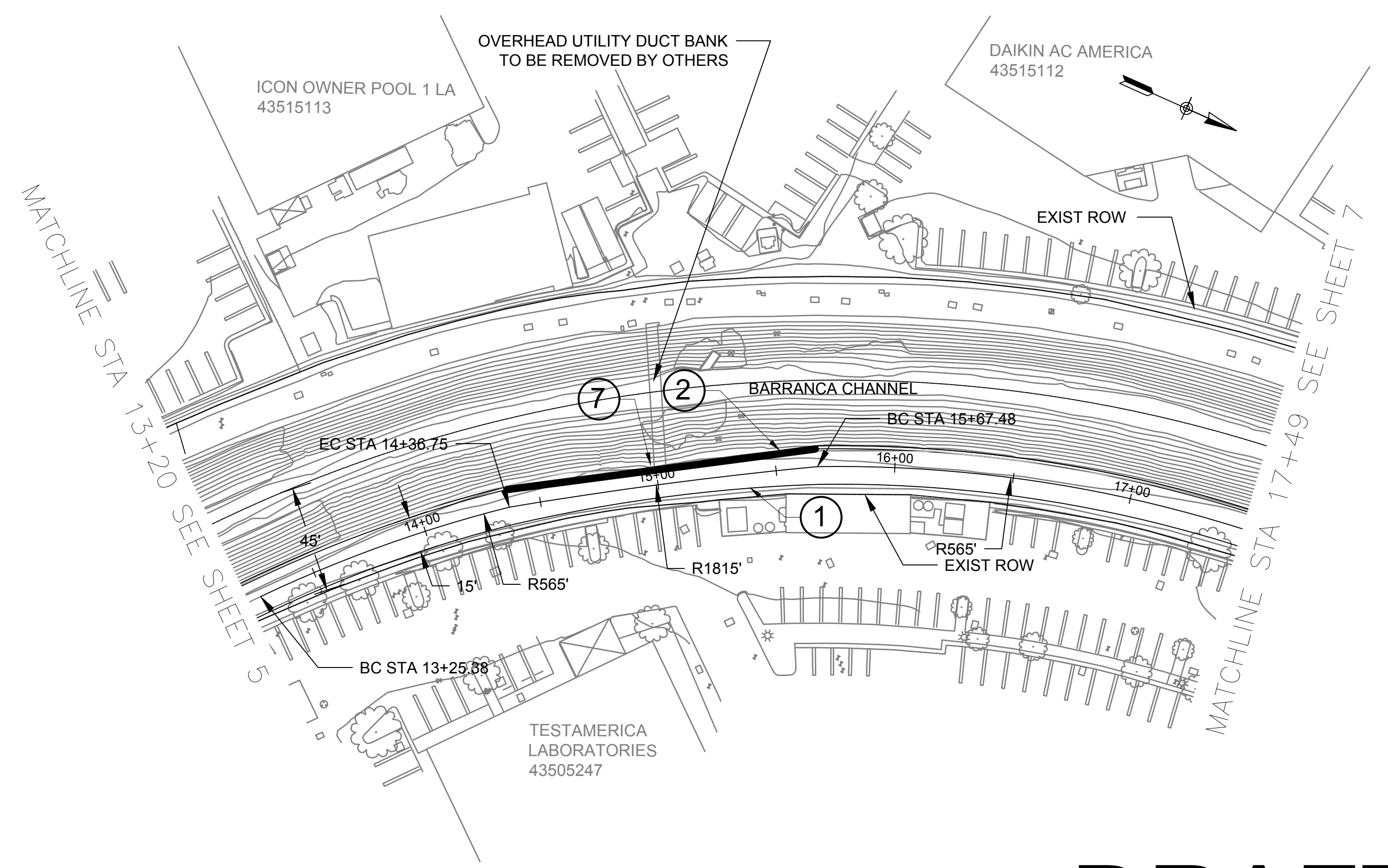
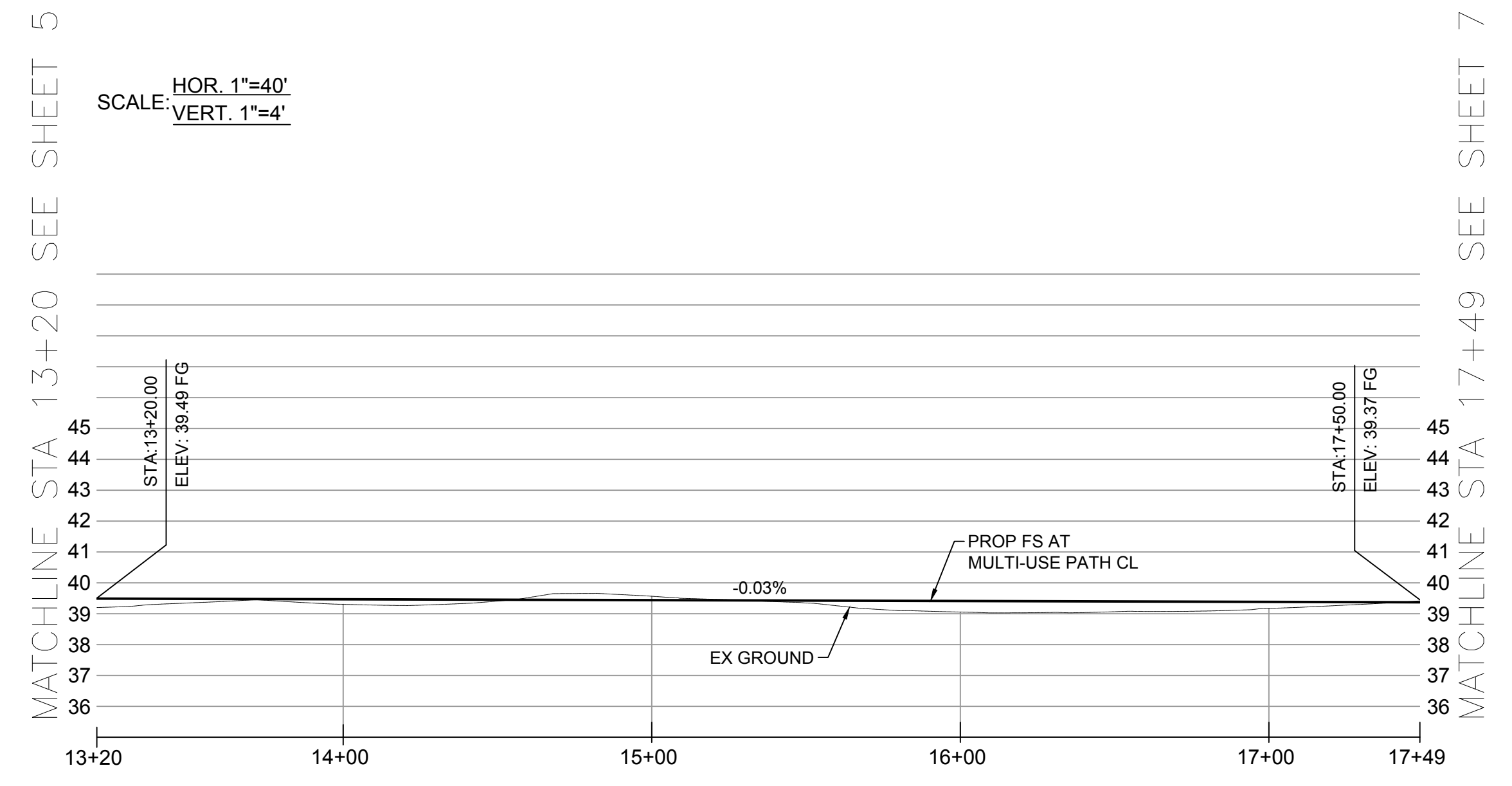
PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



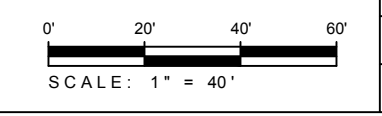
PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 5 OF 15

PLAN AND PROFILE STA 8+10 TO STA 13+20
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



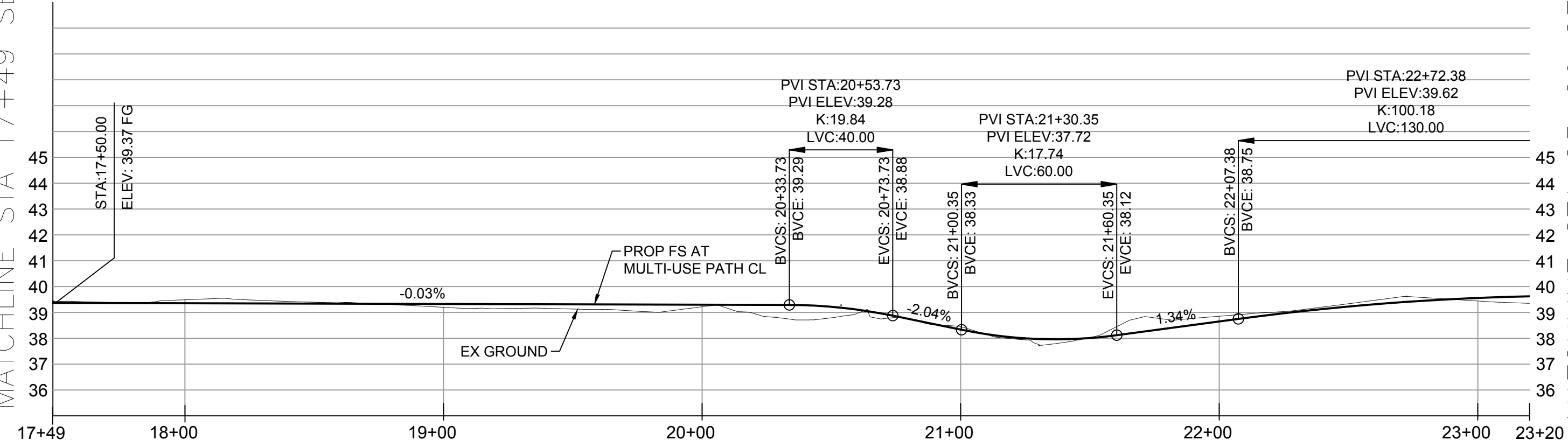
PLAN AND PROFILE STA 13+20 TO STA 17+49
 IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
 (JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
 PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 6
OF 15

VIEW =
DWG =
PATH =

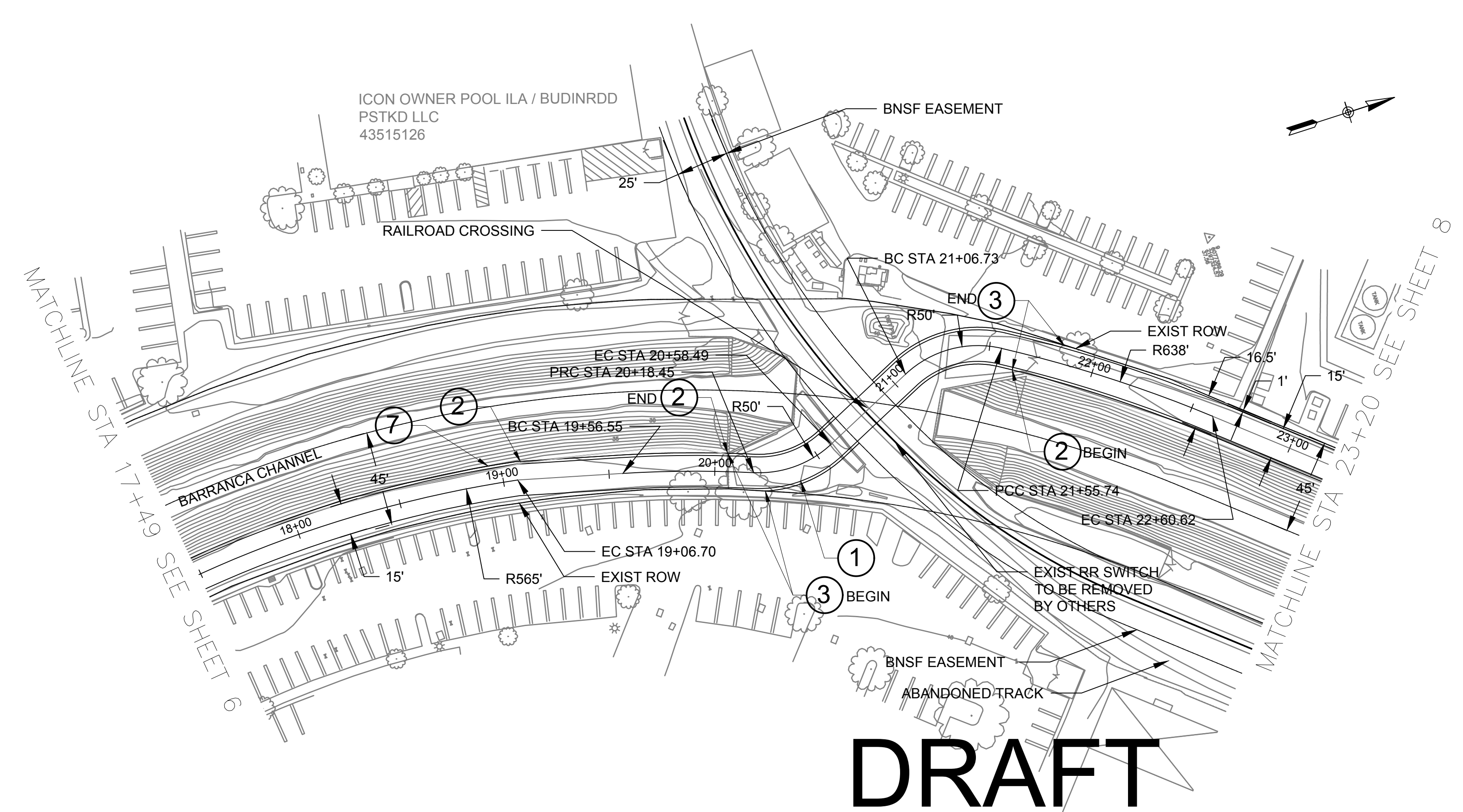
MATCHLINE STA 17+49 SEE SHEET 6

SCALE: HOR. 1"=40'
VERT. 1"=4'

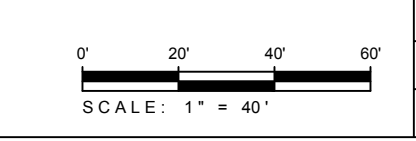


MATCHLINE STA 23+20 SEE SHEET 8

NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



PLAN AND PROFILE STA 17+49 TO STA 23+20
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)

CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 7
OF 15

VIEW =
DWG =
PATH =

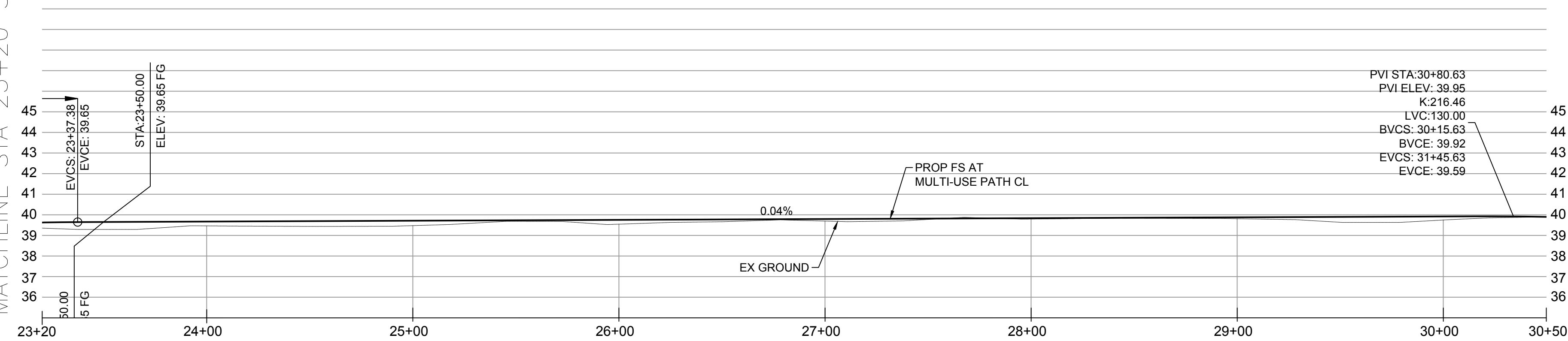
MATCHLINE STA 23+20 SEE SHEET 7

MATCHLINE STA 23+20 SEE SHEET 7

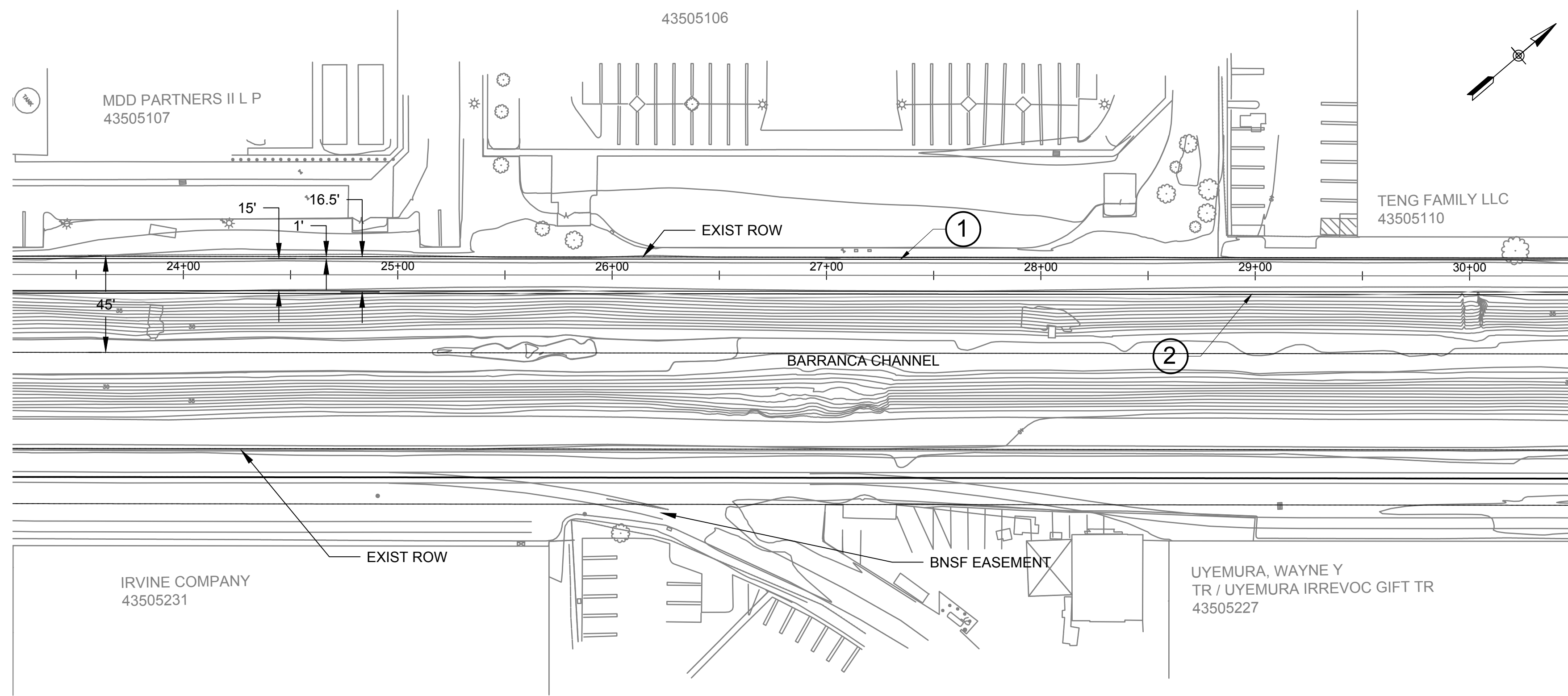
MATCHLINE STA 30+50 SEE SHEET 9

MATCHLINE STA 30+50 SEE SHEET 9

SCALE: HOR. 1"=40'
VERT. 1"=4'



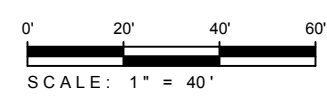
PVI STA: 30+80.63
PVI ELEV: 39.95
K: 216.46
LVC: 130.00
BVCS: 30+15.63
BVCE: 39.92
EVCS: 31+45.63
EVCE: 39.59



NOTES

- 1 CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
- 2 CONSTRUCT GUARD CABLE FENCE
- 3 INSTALL NEW CHAIN LINK FENCE
- 4 INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
- 5 REMOVE EXISTING CMB ROAD
- 6 ADJUST UTILITY TO GRADE
- 7 EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
- 8 REMOVE EXISTING
- 9 PROTECT IN PLACE
- 10 CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)

DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:

PLAN PREPARED BY:

PLAN AND PROFILE STA 23+20 TO STA 30+50
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)

CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.

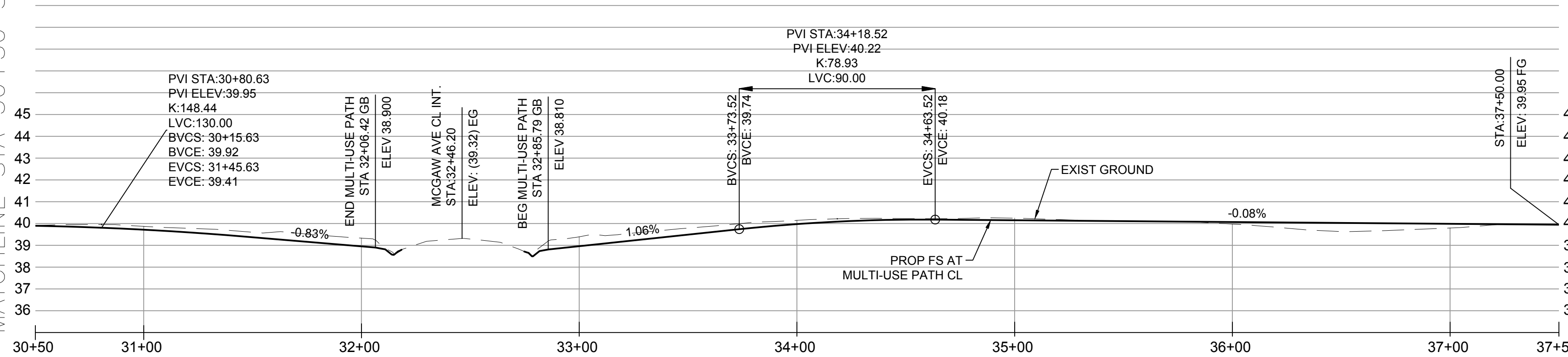
PERMIT NO.

PROJECT NO.
138014

SHEET
8
OF 15

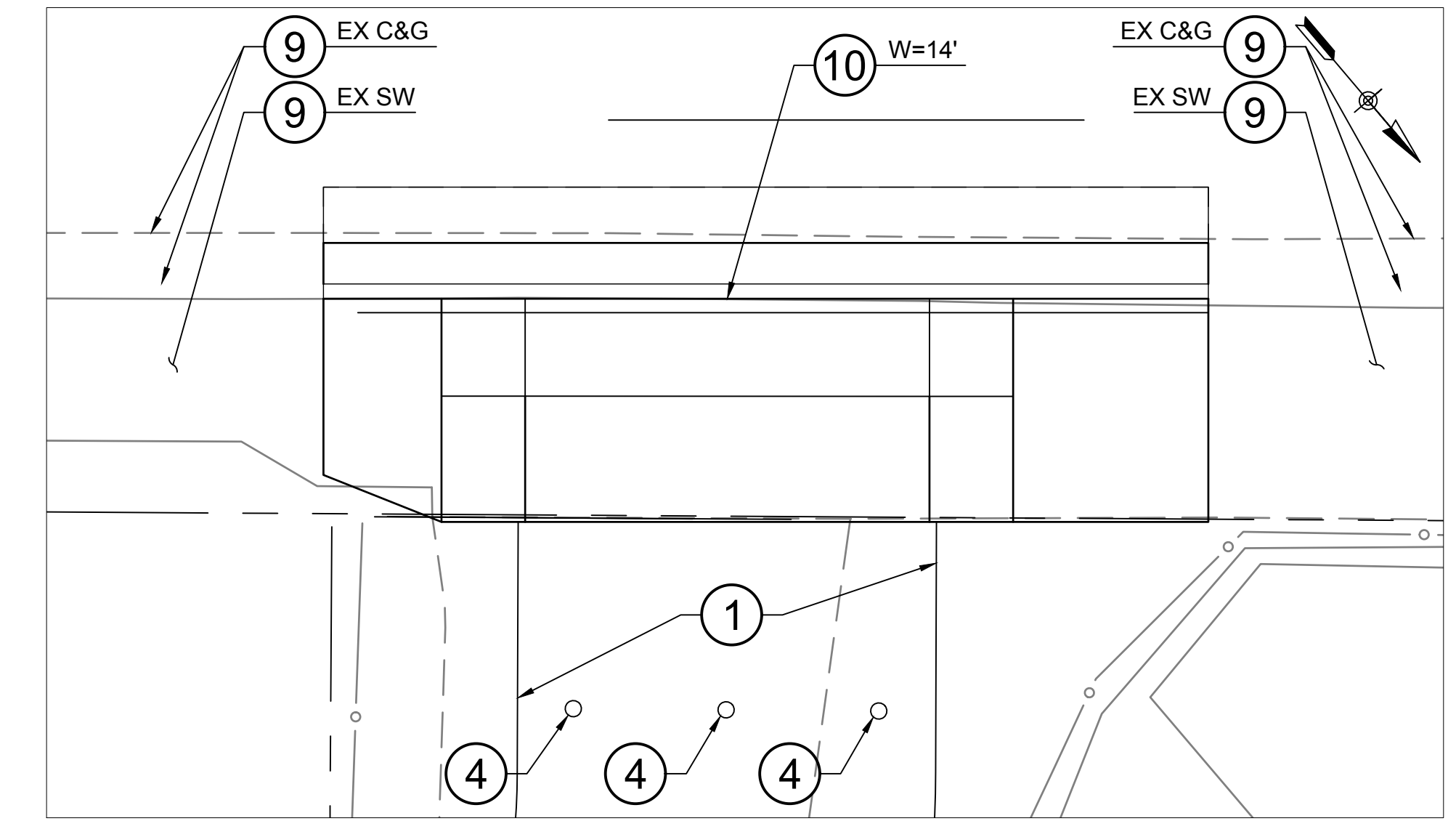
MATCHLINE STA 30+50 SEE SHEET 8

SCALE: HOR. 1" = 40'
VERT. 1" = 4'

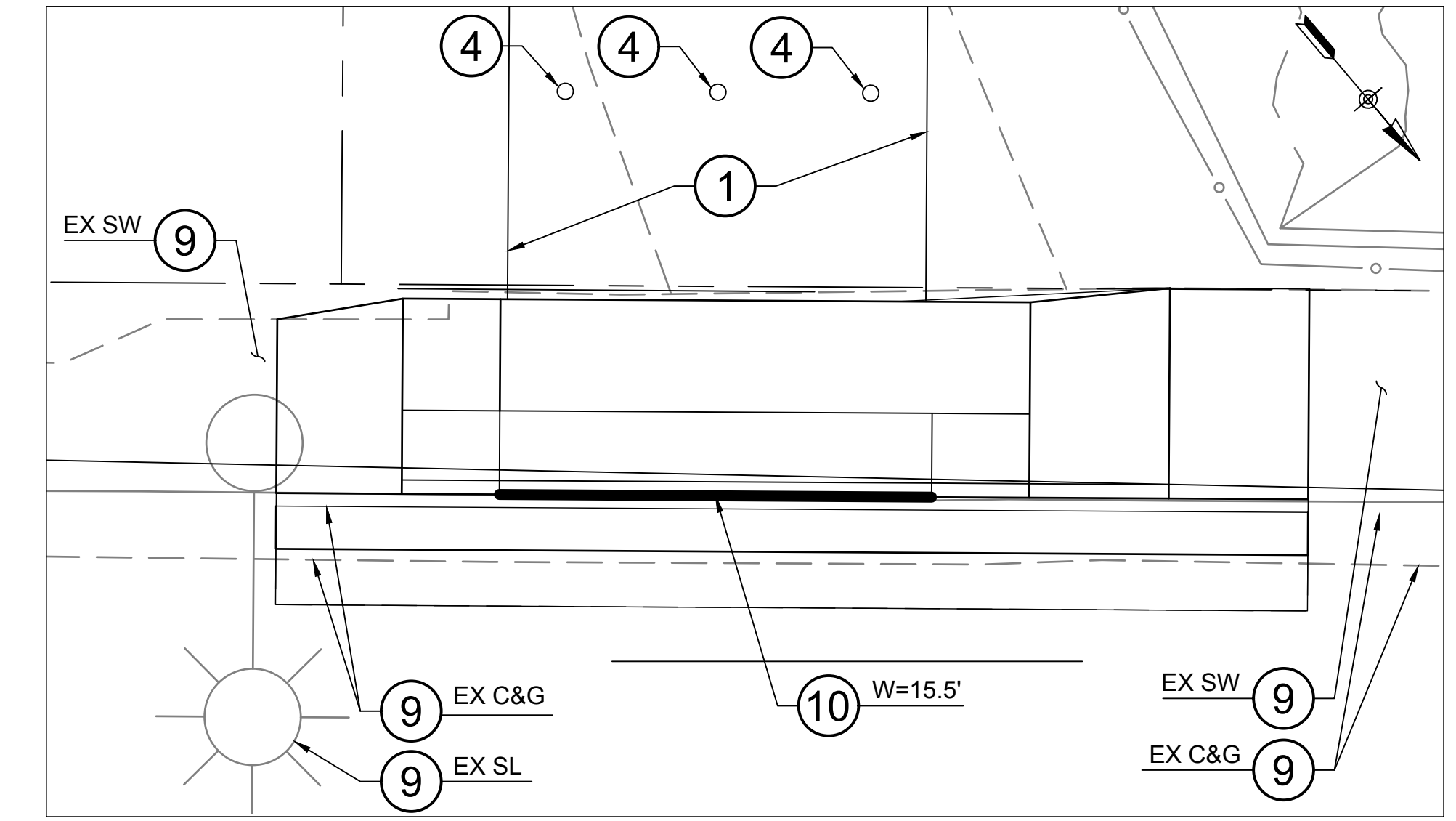


MATCHLINE STA 37+50 SEE SHEET 10

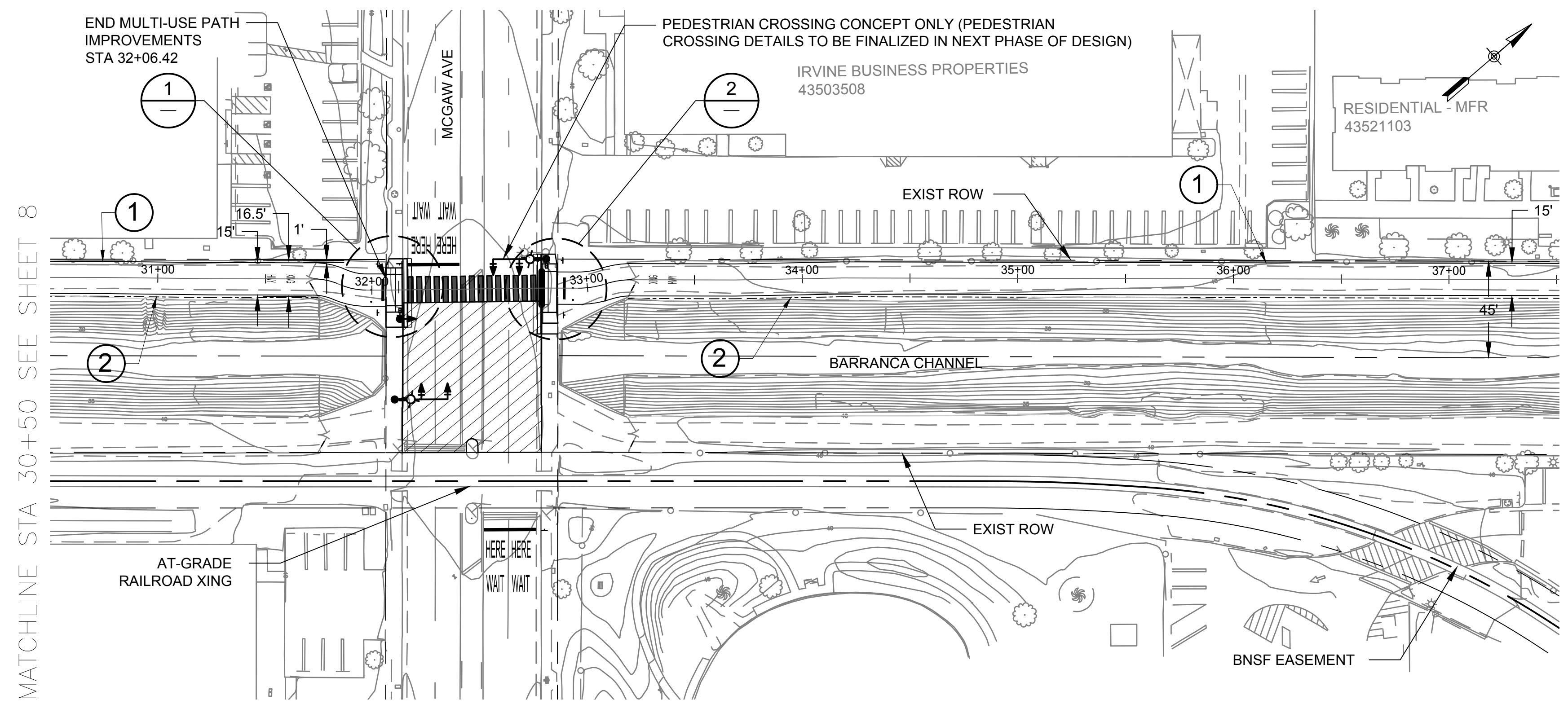
NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



1 DRIVEWAY 1 DETAIL
SCALE: 1" = 5'



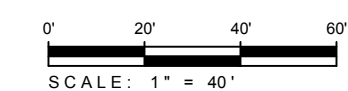
2 DRIVEWAY 2 DETAIL
SCALE: 1" = 5'



MATCHLINE STA 30+50 SEE SHEET 8

MATCHLINE STA 37+50 SEE SHEET 10

DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE 11/09/2022
DESIGNED BY: L. LA POINT	DATE
CHECKED BY: T. DUTTA	DATE

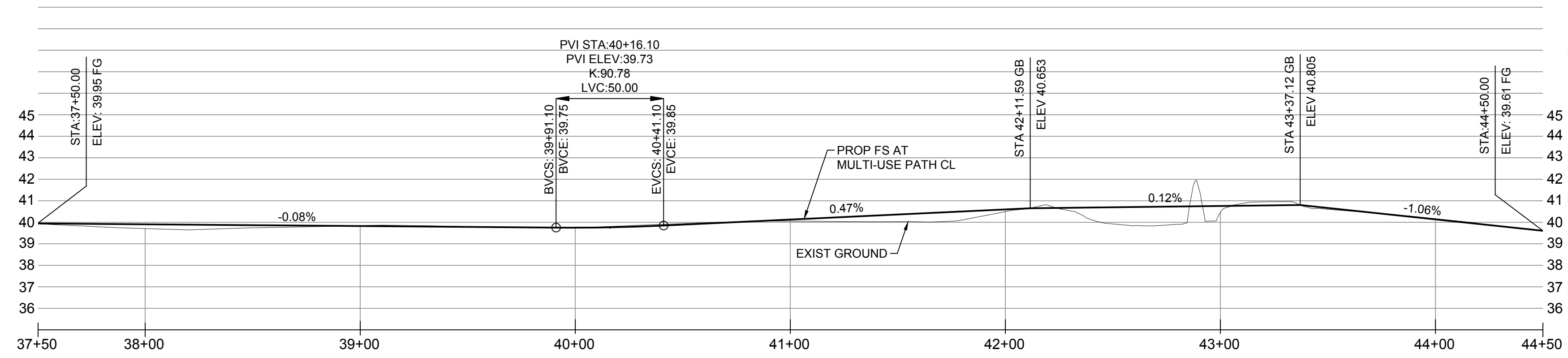


PLAN AND PROFILE STA 30+50 TO STA 37+50
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 9 OF 15

MATCHLINE STA 37+50 SEE SHEET 9

SCALE: HOR. 1"=40'
VERT. 1"=4'

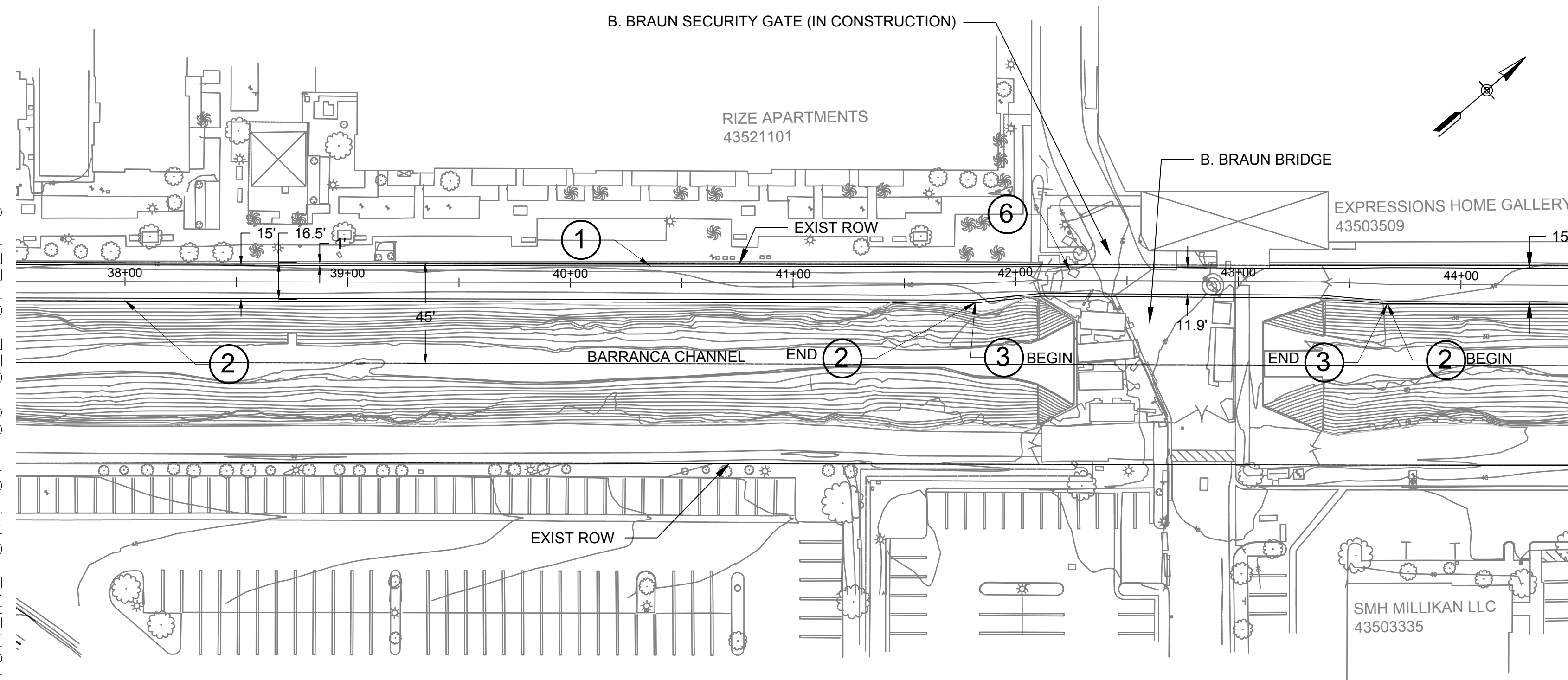


MATCHLINE STA 44+50 SEE SHEET 11

NOTES

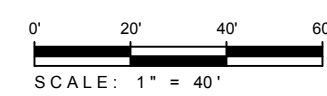
- 1 CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
- 2 CONSTRUCT GUARD CABLE FENCE
- 3 INSTALL NEW CHAIN LINK FENCE
- 4 INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
- 5 REMOVE EXISTING CMB ROAD
- 6 ADJUST UTILITY TO GRADE
- 7 EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
- 8 REMOVE EXISTING
- 9 PROTECT IN PLACE
- 10 CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)

MATCHLINE STA 37+50 SEE SHEET 9



MATCHLINE STA 44+50 SEE SHEET 11

DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

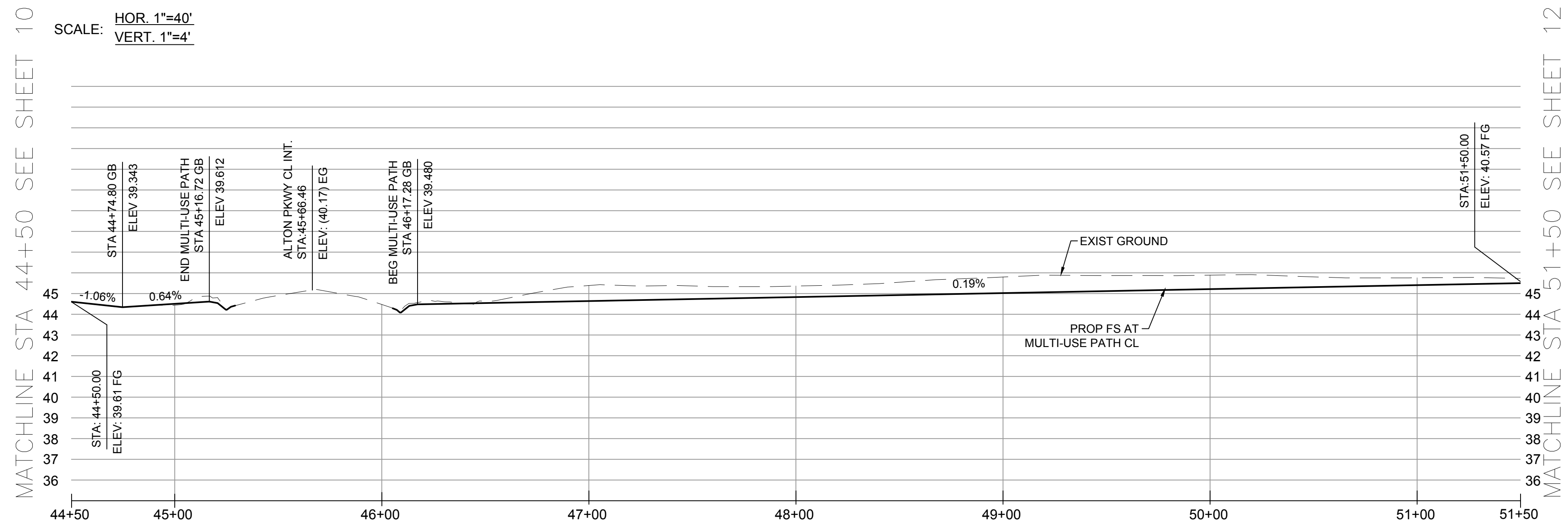
PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



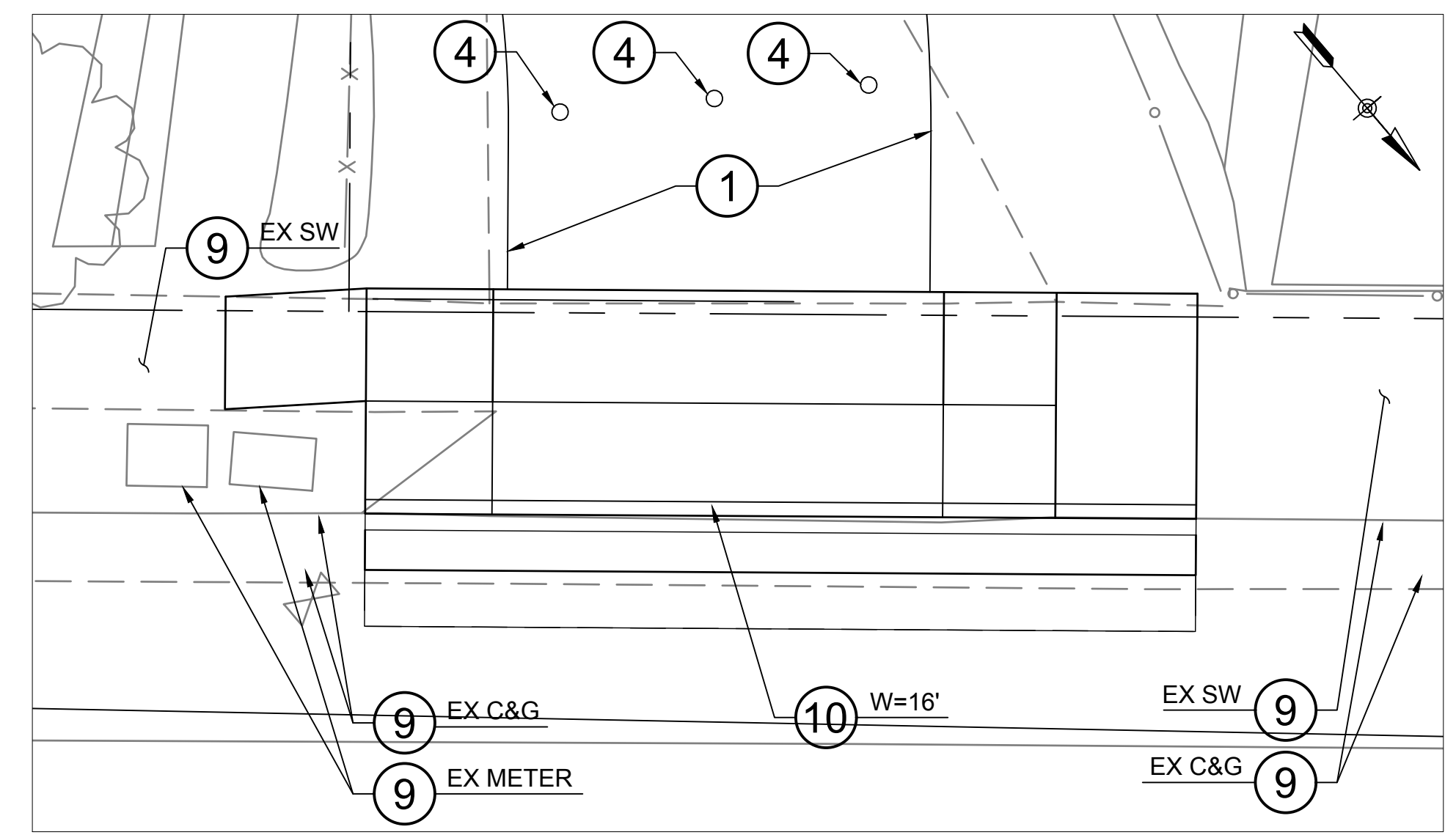
PLAN AND PROFILE STA 37+50 TO STA 44+50
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)

CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

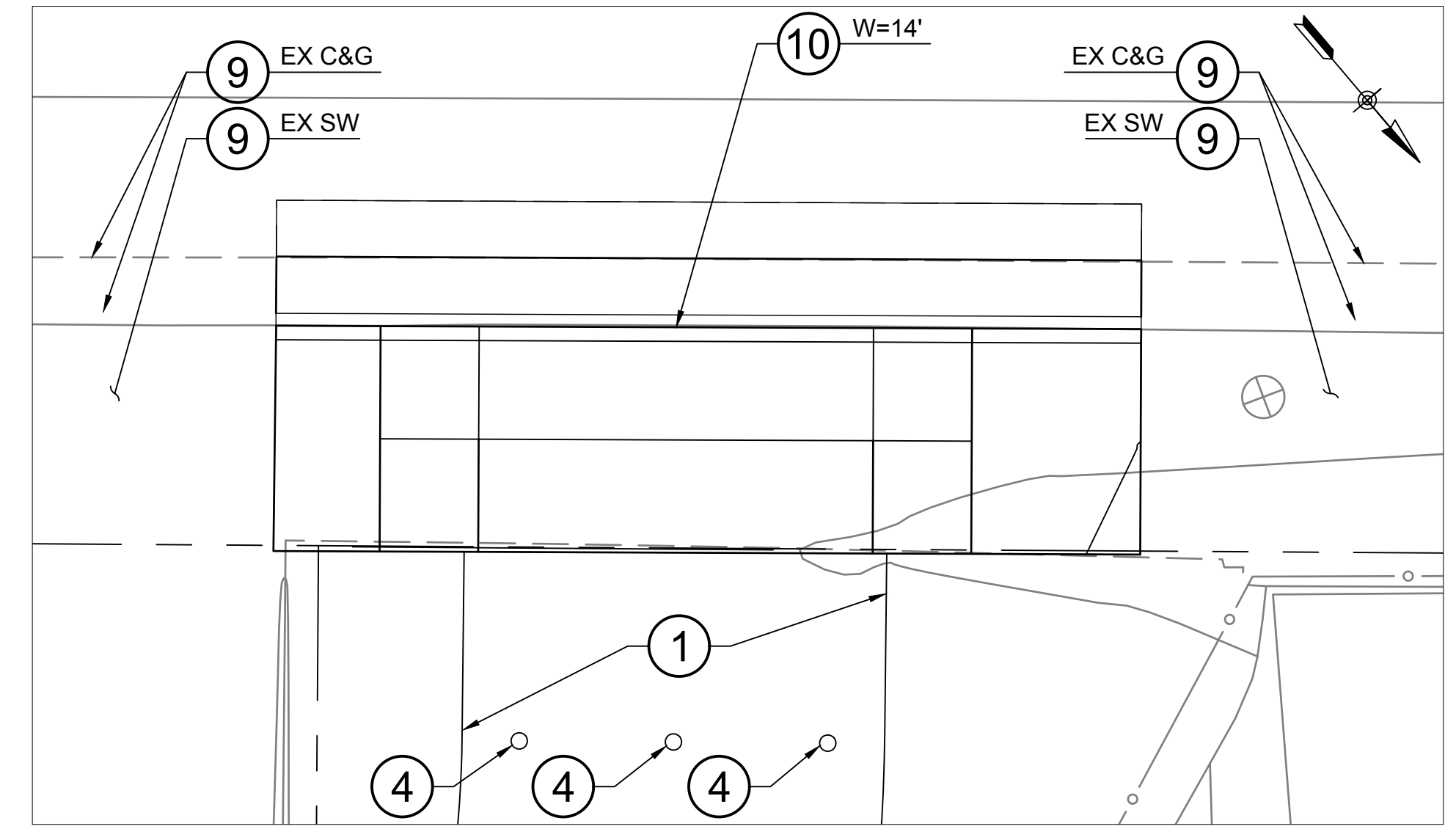
PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 10 OF 15



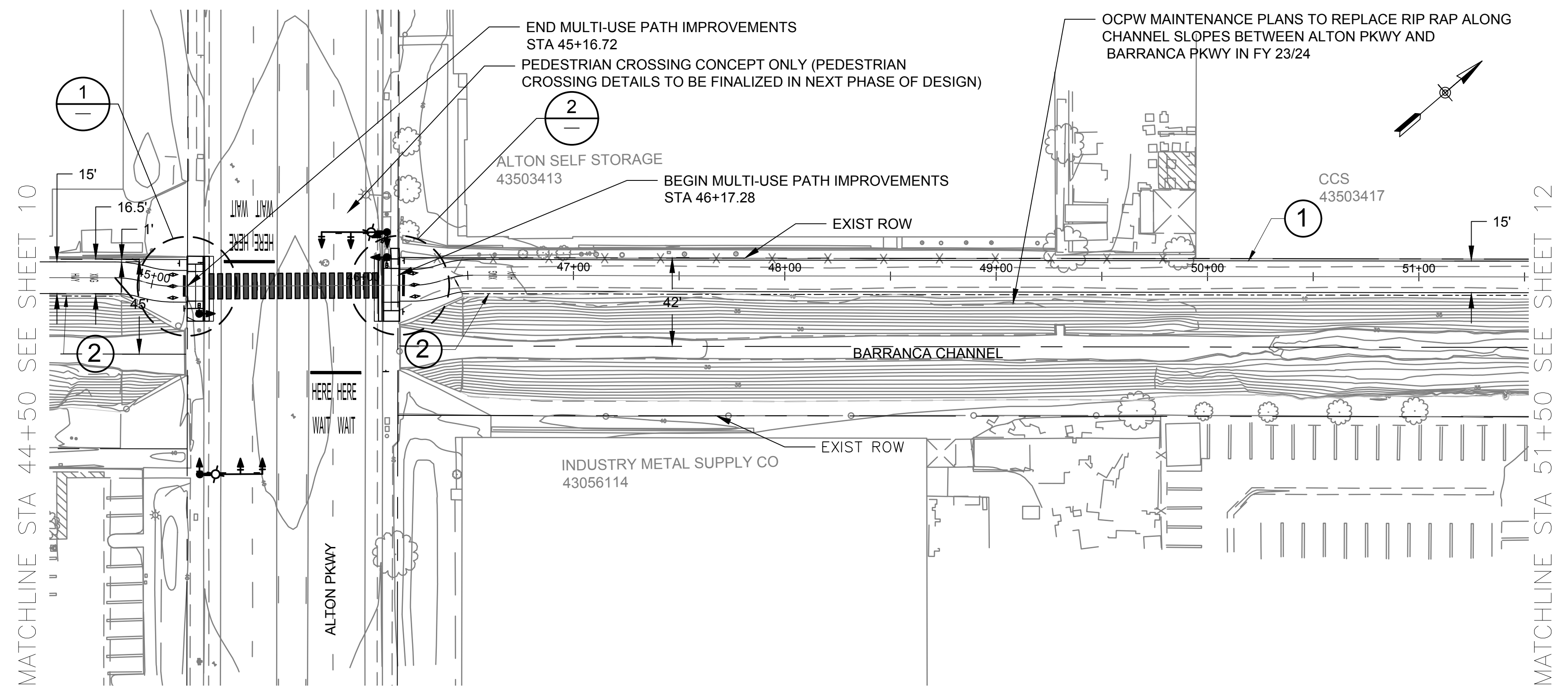
NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



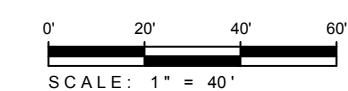
3 DRIVEWAY 3 DETAIL
SCALE: 1" = 5'



4 DRIVEWAY 4 DETAIL
SCALE: 1" = 5'



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

PLAN PREPARED BY:

ARCADIS

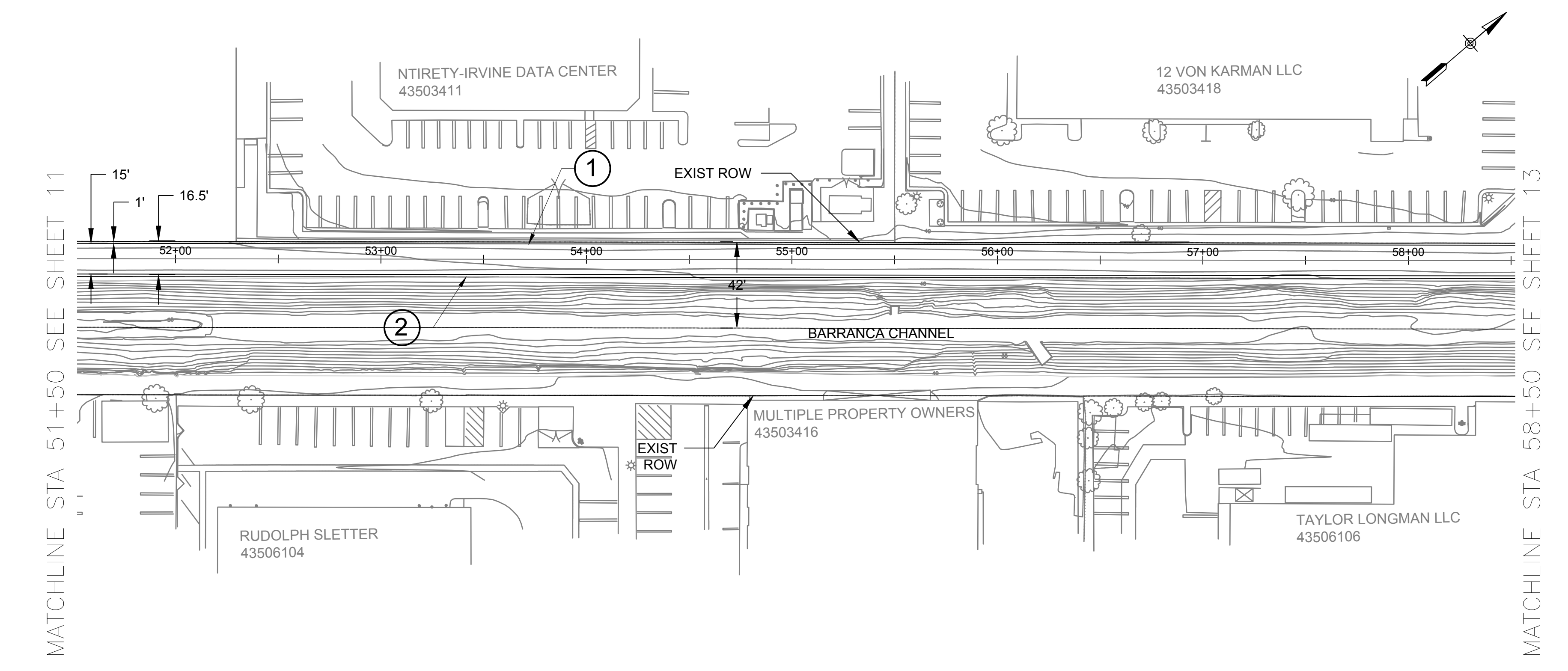
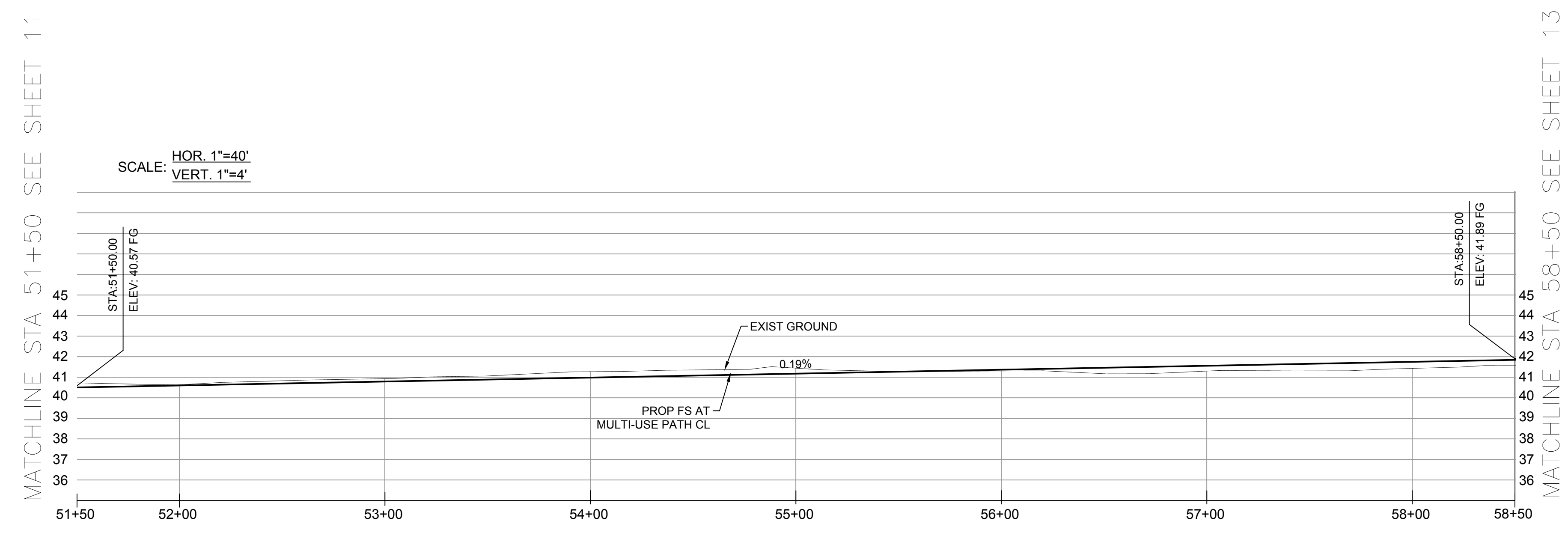
DRAWN BY: B. VONG DATE: 11/09/2022
 DESIGNED BY: L. LA POINT DATE:
 CHECKED BY: T. DUTTA DATE:

PLAN AND PROFILE STA 44+50 TO STA 51+50
 IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
 (JAMBOREE RD TO BARRANCA PKWY)

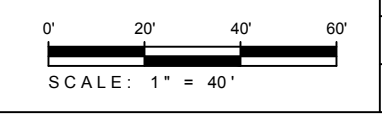
CITY OF IRVINE
 PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 11 OF 15

NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



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NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

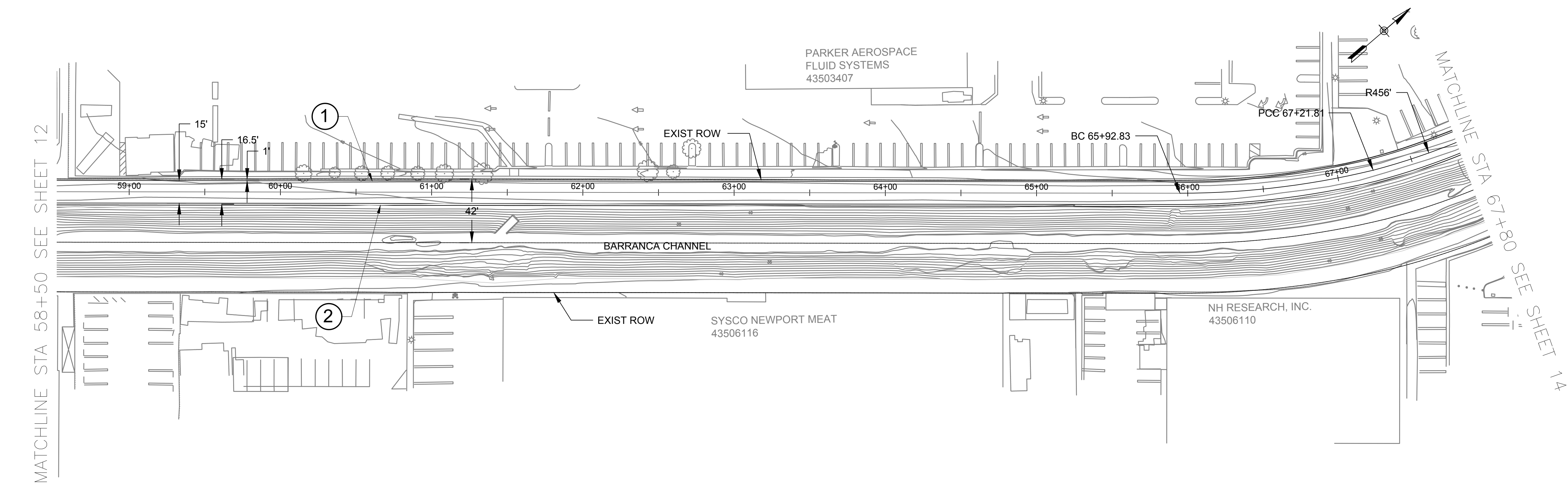
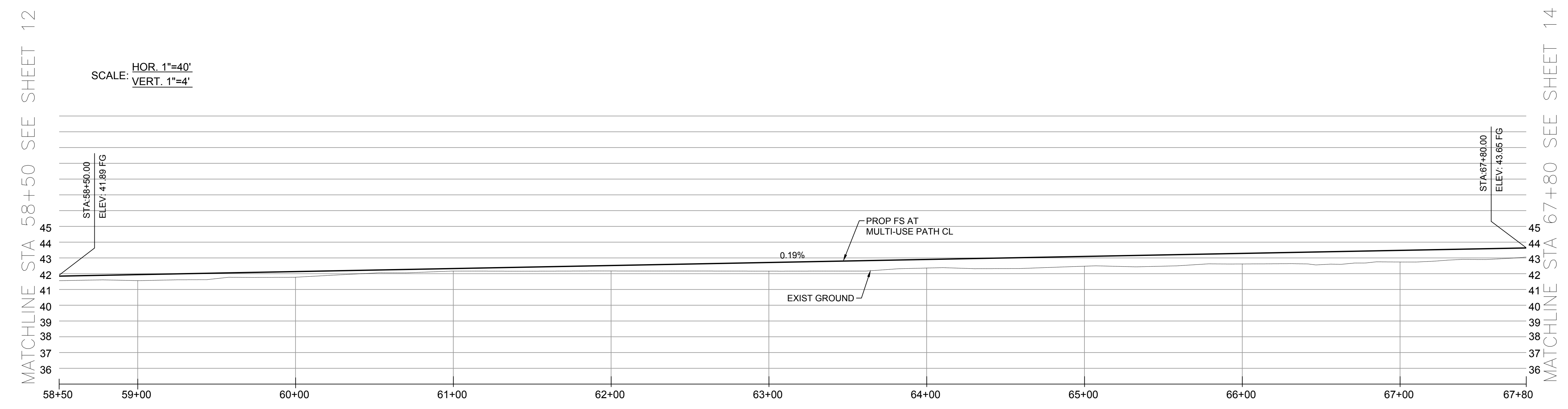
DRAWN BY: B. VONG		DATE: 11/09/2022
DESIGNED BY: L. LA POINT		DATE:
CHECKED BY: T. DUTTA		DATE:



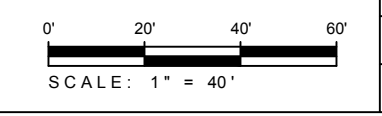
PLAN AND PROFILE STA 51+50 TO STA 58+50
 IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
 (JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
 PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 12 OF 15

NOTES	
①	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
②	CONSTRUCT GUARD CABLE FENCE
③	INSTALL NEW CHAIN LINK FENCE
④	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
⑤	REMOVE EXISTING CMB ROAD
⑥	ADJUST UTILITY TO GRADE
⑦	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
⑧	REMOVE EXISTING
⑨	PROTECT IN PLACE
⑩	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

PLAN PREPARED BY:	
DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:



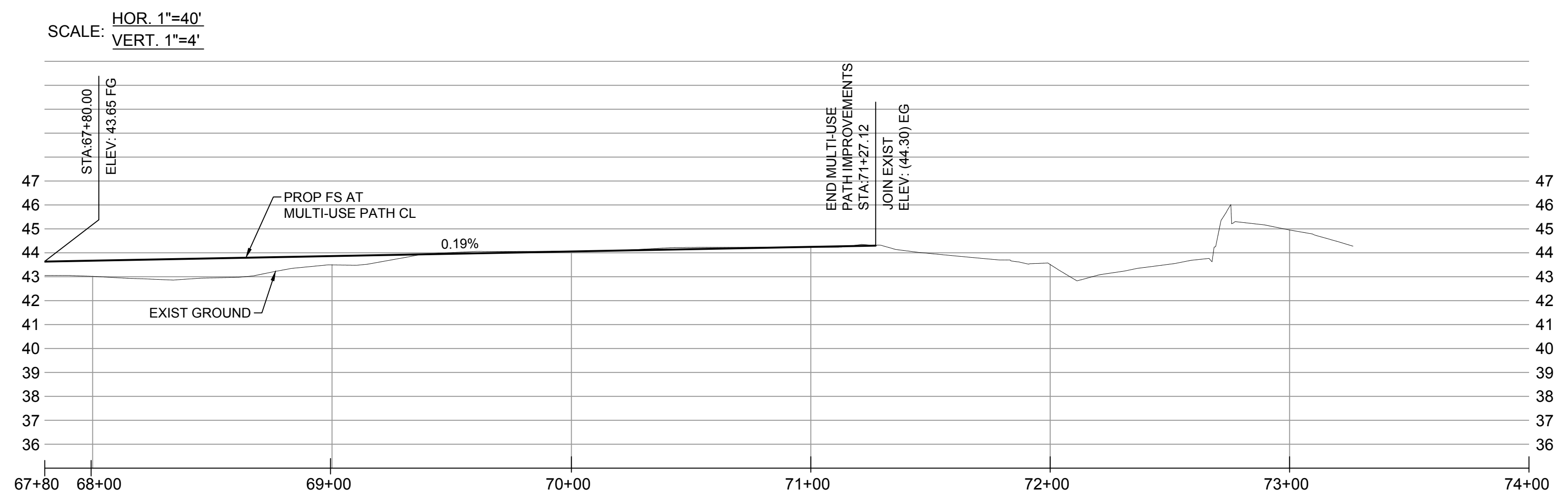
PLAN CHECK NO.	
PERMIT NO.	
PROJECT NO.	138014
SHEET	13
OF 15	

PLAN AND PROFILE STA 58+50 TO STA 67+80
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)

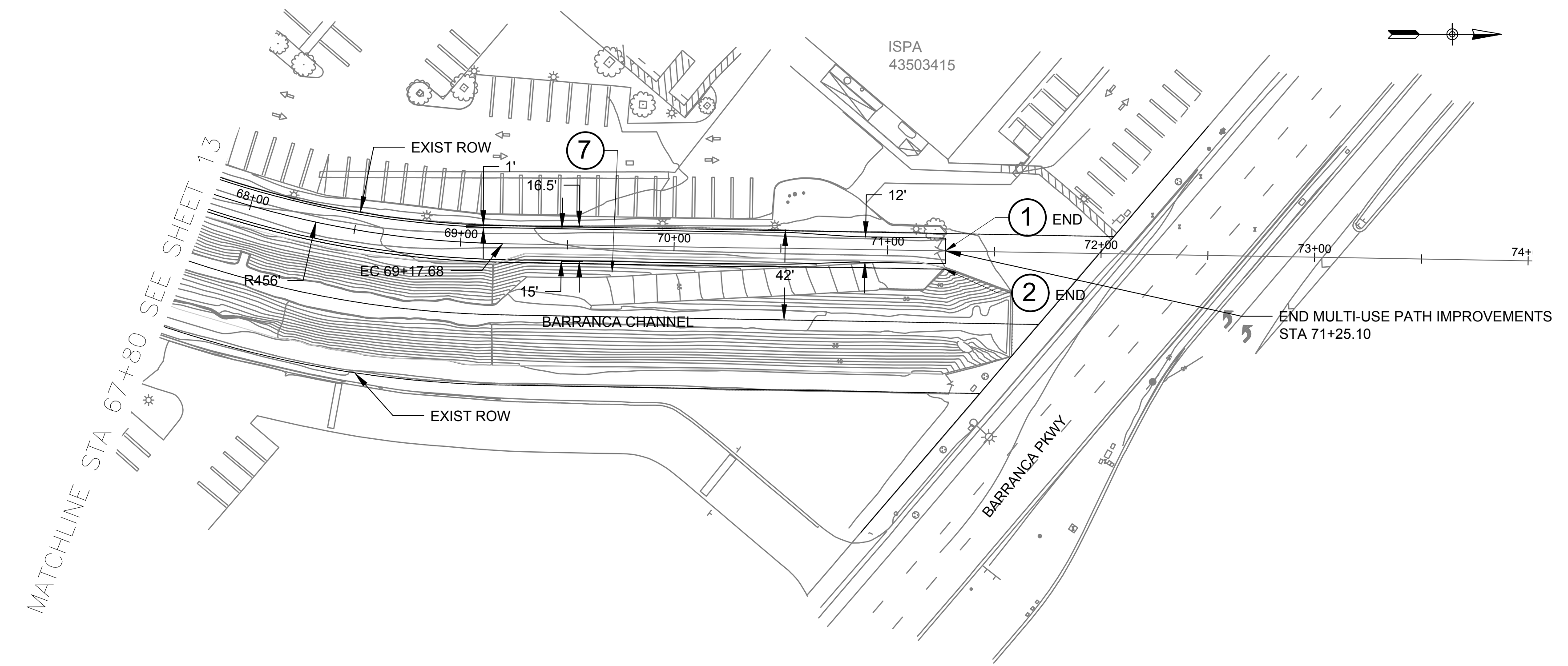
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

VIEW =
DWG =
PATH =

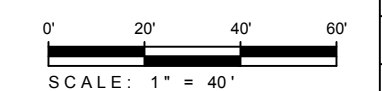
MATCHLINE STA 67+80 SEE SHEET 13



NOTES	
1	CONSTRUCT 15' WIDE MAINTENANCE ROADWAY/CLASS 1 BIKEWAY
2	CONSTRUCT GUARD CABLE FENCE
3	INSTALL NEW CHAIN LINK FENCE
4	INSTALL REMOVABLE BOLLARDS PER CITY STANDARD PLAN 410
5	REMOVE EXISTING CMB ROAD
6	ADJUST UTILITY TO GRADE
7	EROSION AREA CHANNEL IMPROVEMENTS TO BE PERFORMED BY OTHERS PRIOR TO START OF CONSTRUCTION
8	REMOVE EXISTING
9	PROTECT IN PLACE
10	CONSTRUCT DRIVEWAY, TYPE 1, PER CITY OF IRVINE STD. PLAN 204 (X=PER PLAN, W=PER PLAN)



DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	11/09/2022				

DRAWN BY: B. VONG	DATE: 11/09/2022
DESIGNED BY: L. LA POINT	DATE:
CHECKED BY: T. DUTTA	DATE:

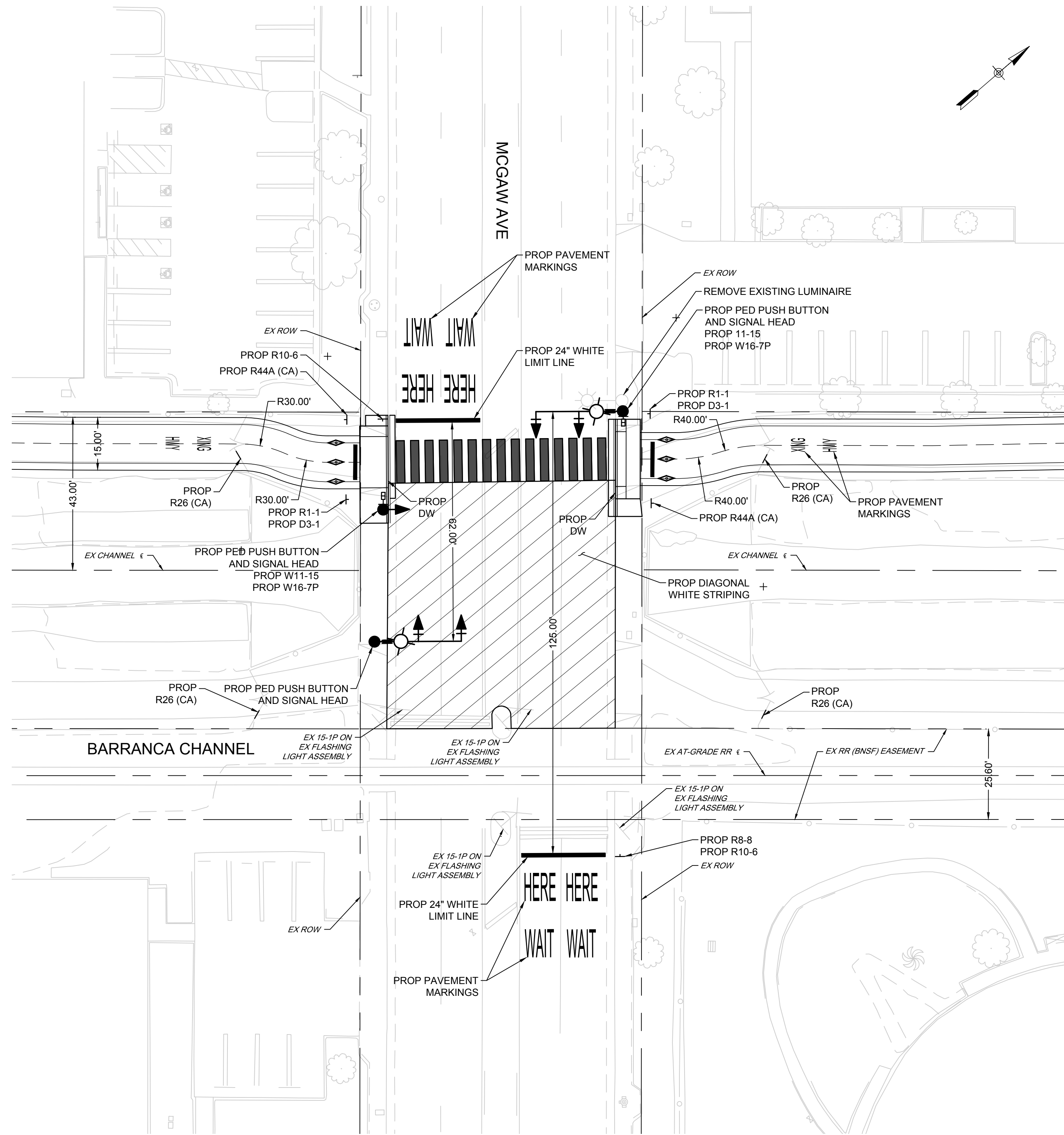
PLAN PREPARED BY:

PLAN AND PROFILE STA 67+80 TO STA 71+25
 IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
 (JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
 PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 14 OF 15

VIEW =
DWG =
PATH =

NOT FOR CONSTRUCTION



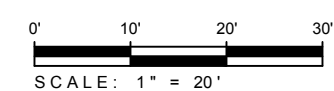
PROPOSED TRAFFIC SIGNAL
AT MCGAW AVENUE INTERSECTION OF BARRANCA CHANNEL

NOTE:

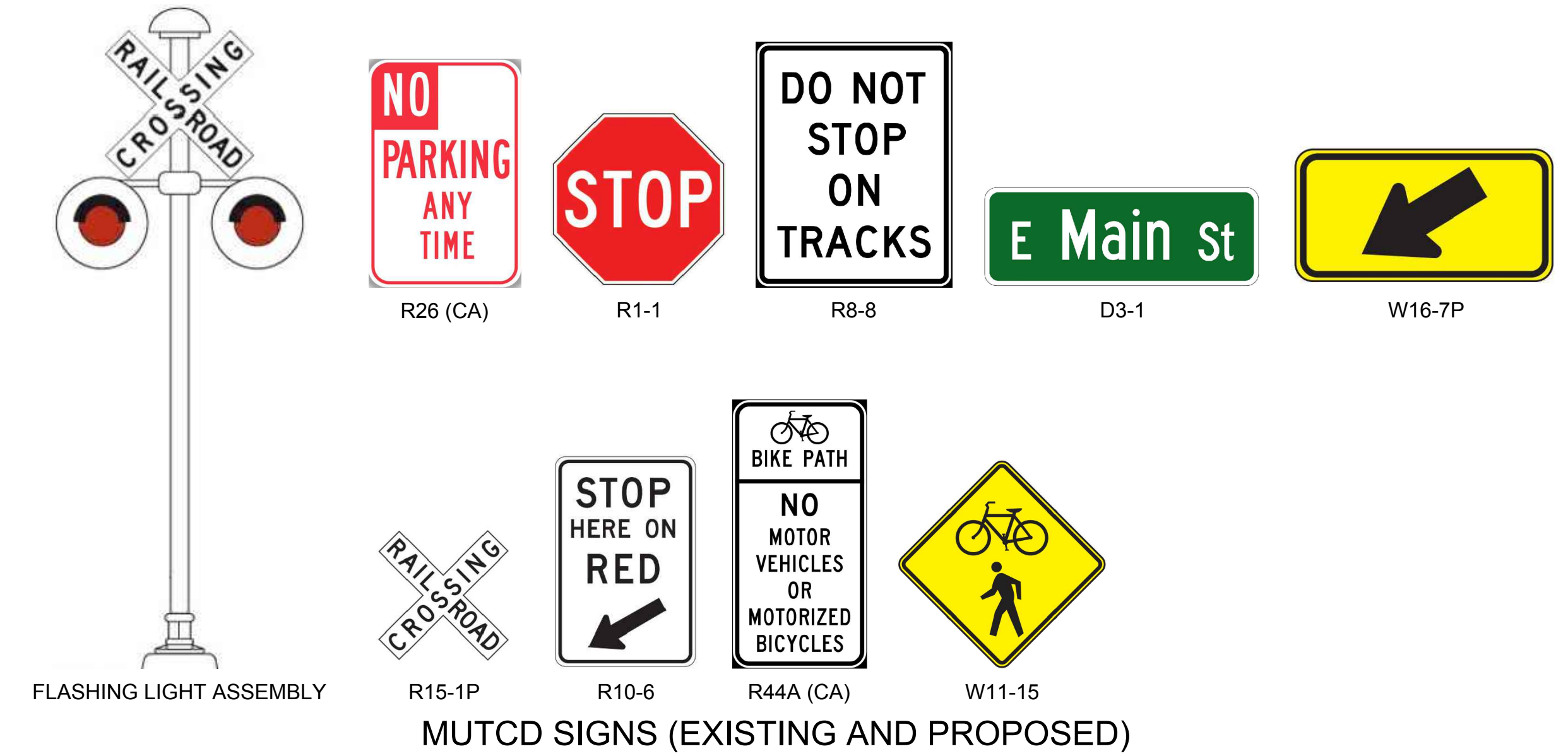
1. THIS CONCEPT IS INTENDED TO DEMONSTRATE A PEDESTRIAN CROSSING APPROACH ONLY. A SIGNAL DESIGN WOULD BE PART OF THE NEXT PHASE OF DESIGN.
2. INSTALL LUMINAIR PER CITY OF IRVINE SECTION 104 STANDARDS.
3. SIGNAL ACTIVATED BY PED PUSH BUTTON OR APPROACHING TRAIN.
4. INSTALL ADVANCE PAVEMENT MARKINGS AND SIGNS PER MUTCD, LATEST EDITION.

DOT#026720T
CPUC #002-181.00-C
MILE POST 0181.001

DRAFT



NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	03/07/2023				



VIEW ON MC GAW AVENUE, FACING EAST



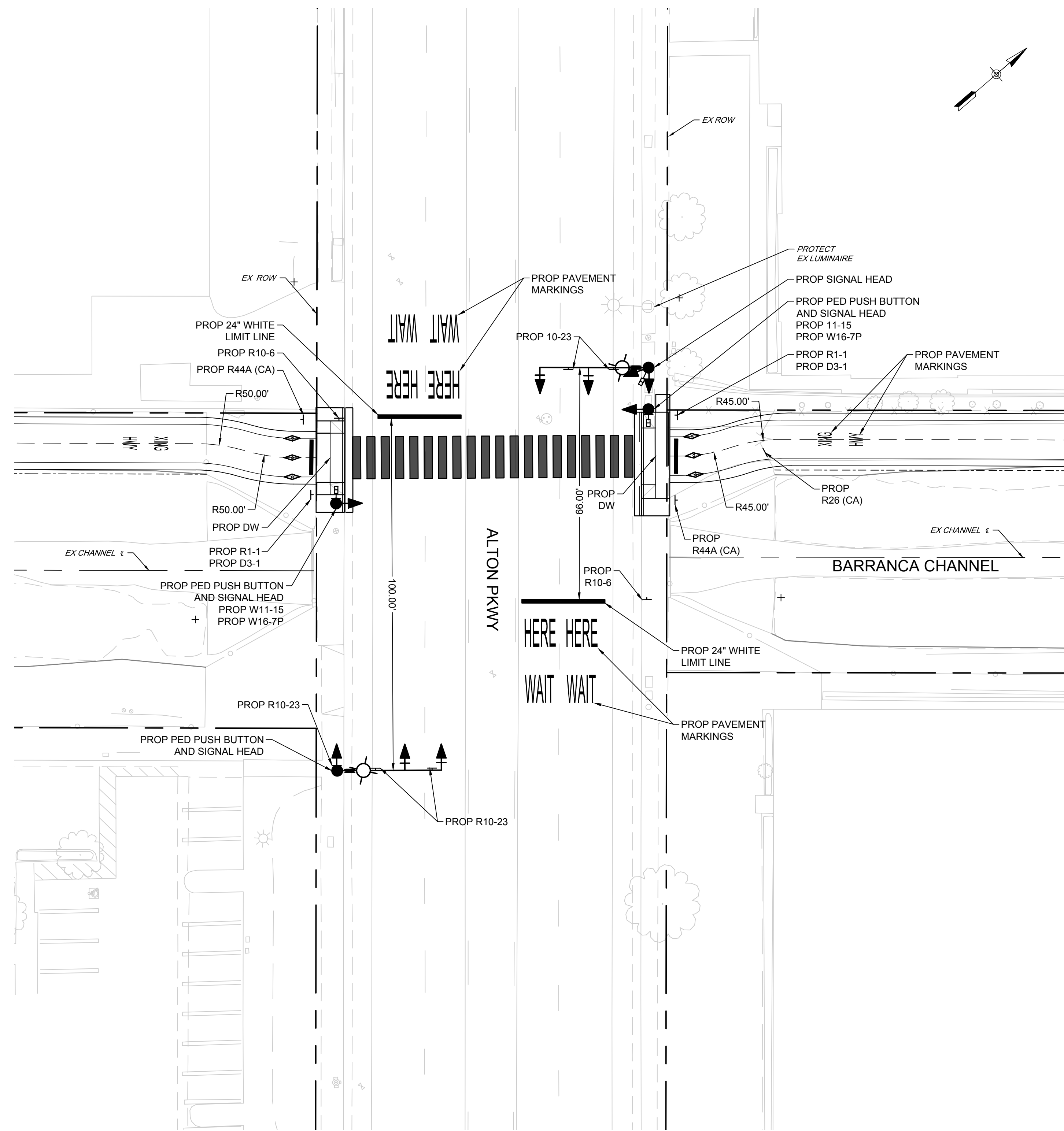
VIEW ON MC GAW AVENUE, FACING WEST



PROPOSED TRAFFIC SIGNAL AT MCGAW AVE
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 1 OF 3

NOT FOR CONSTRUCTION

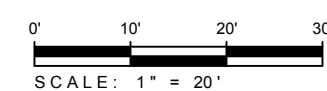


PROPOSED PEDESTRIAN HYBRID BEACON (PHB)
AT ALTON PARKWAY INTERSECTION OF BARRANCA CHANNEL

NOTE:

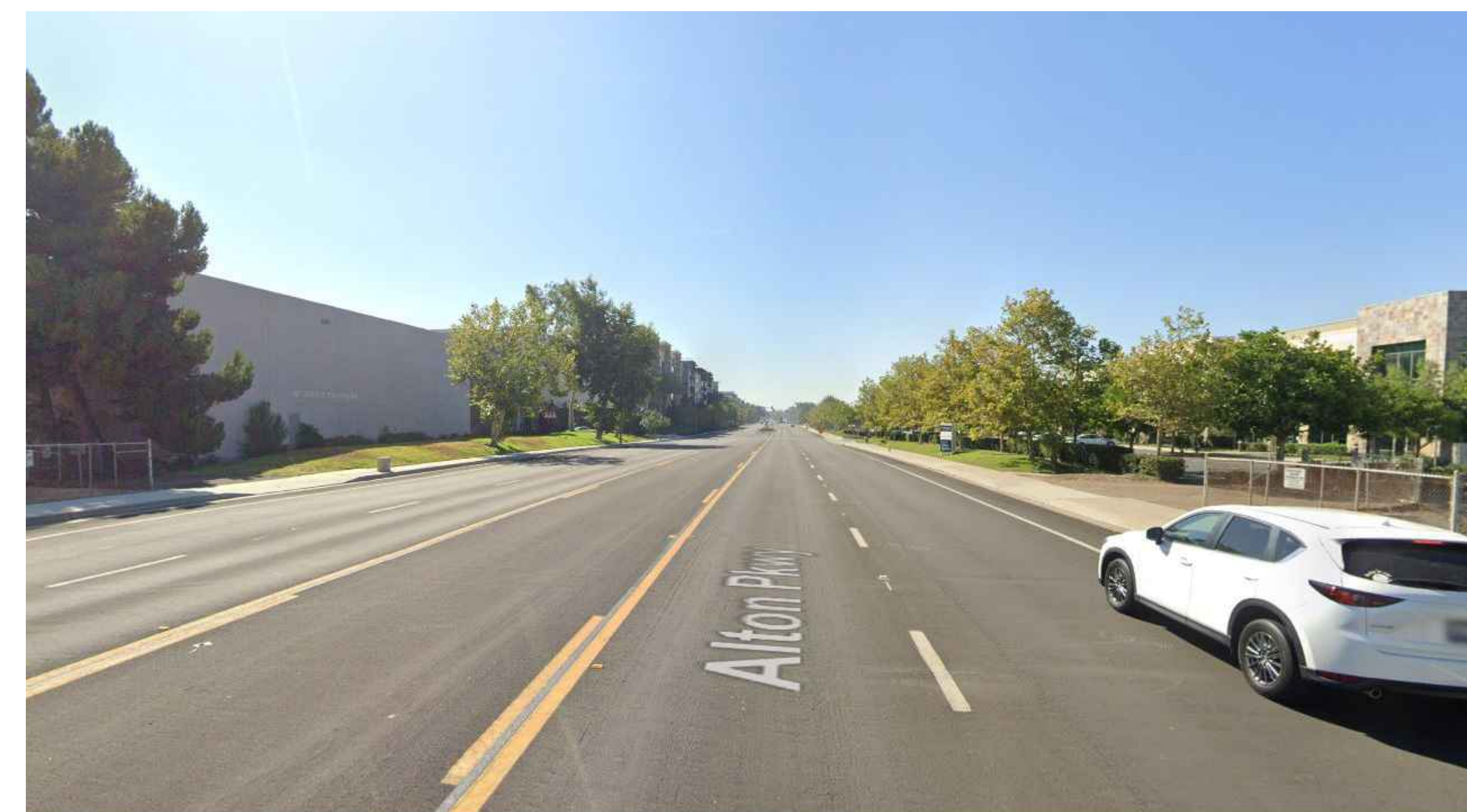
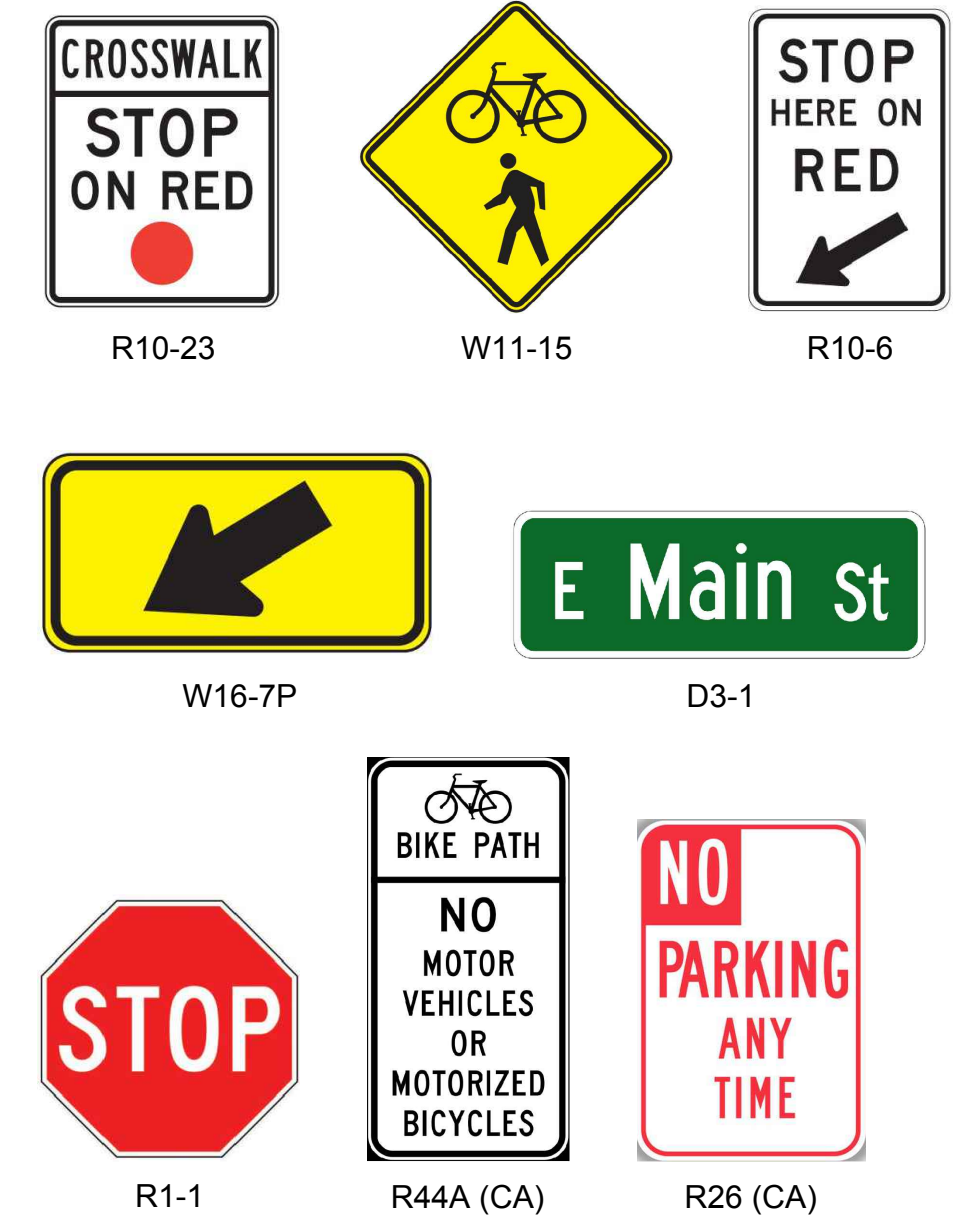
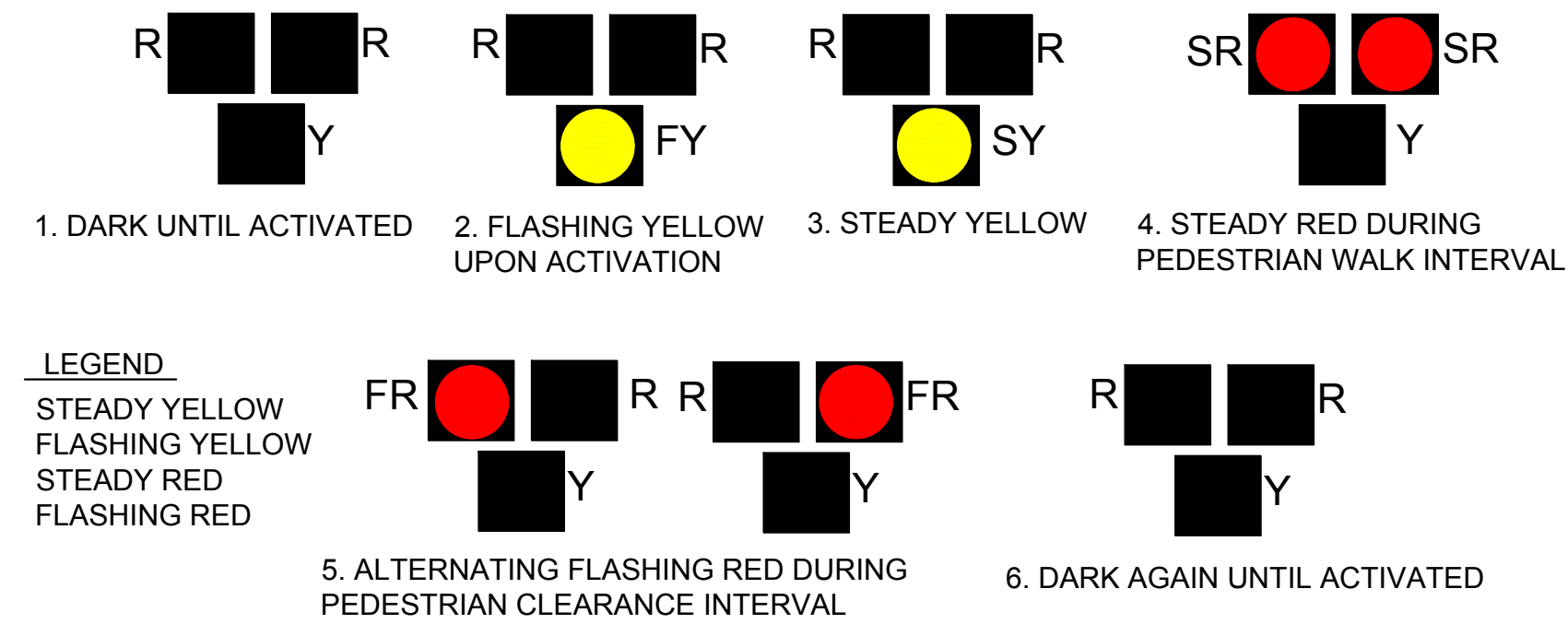
1. THIS CONCEPT IS INTENDED TO DEMONSTRATE A PEDESTRIAN CROSSING APPROACH ONLY. A SIGNAL DESIGN WOULD BE PART OF THE NEXT PHASE OF DESIGN.
2. PEDESTRIAN HYBRID BEACON SHALL BE PEDESTRIAN ACTUATED.
3. WARNING BEACON TO BE PROGRAMMED TO FLASH ONLY WHEN THE PEDESTRIAN HYBRID BEACON IS NOT IN THE DARK MODE.
4. INSTALL LUMINAIR PER CITY OF IRVINE SECTION 104 STANDARDS.
5. CROSSWALK MARKINGS SHALL BE PER MUTCD FIGURE 39-19.

DRAFT

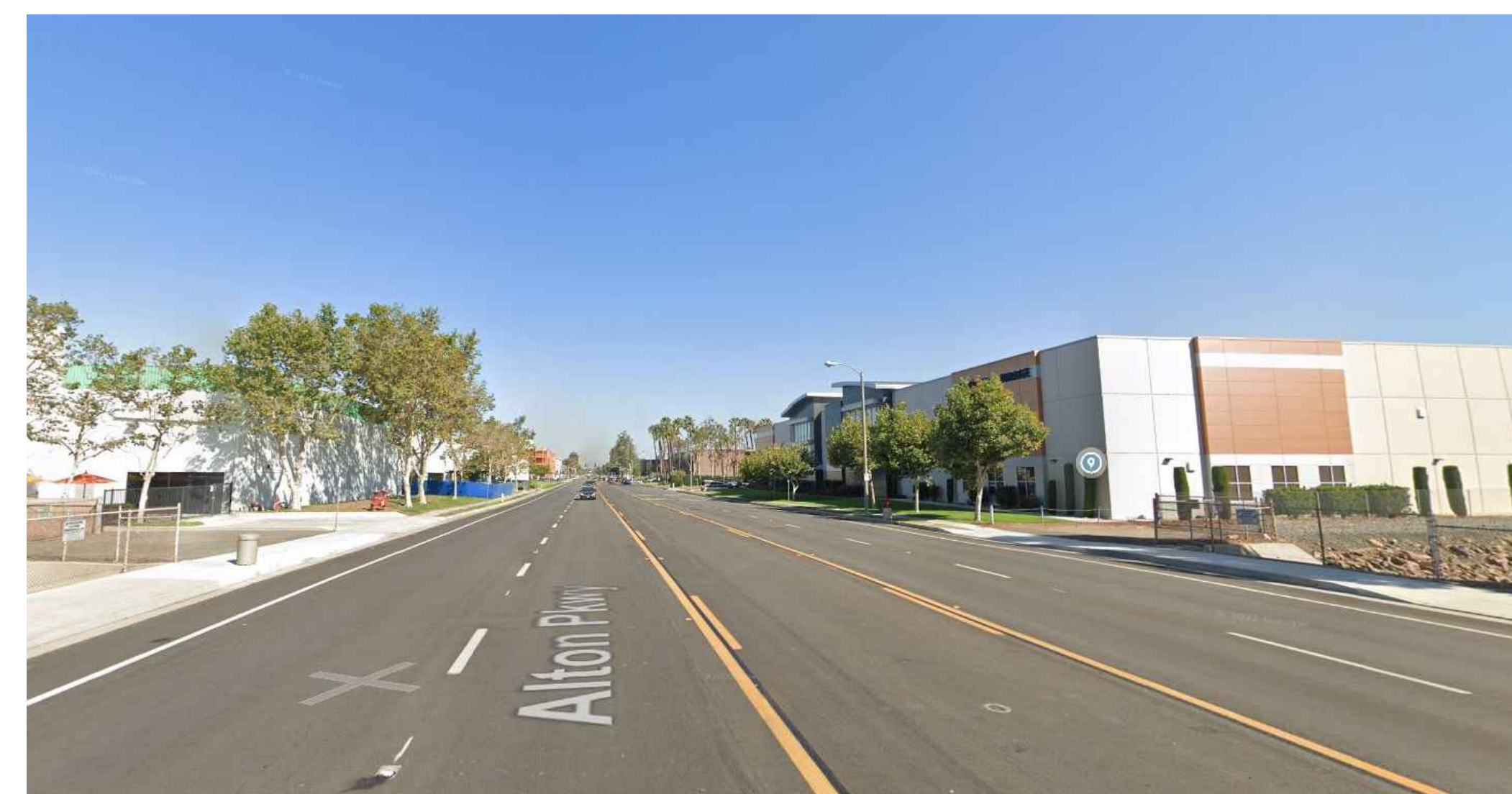


NO.	DATE	REVISIONS	ENGR.	APPROV.	DATE
	03/07/2023				

CORRESPONDING DISPLAY SEQUENCE FOR PHB AND PEDESTRIAN SIGNAL



VIEW ON ALTON PARKWAY, FACING EAST



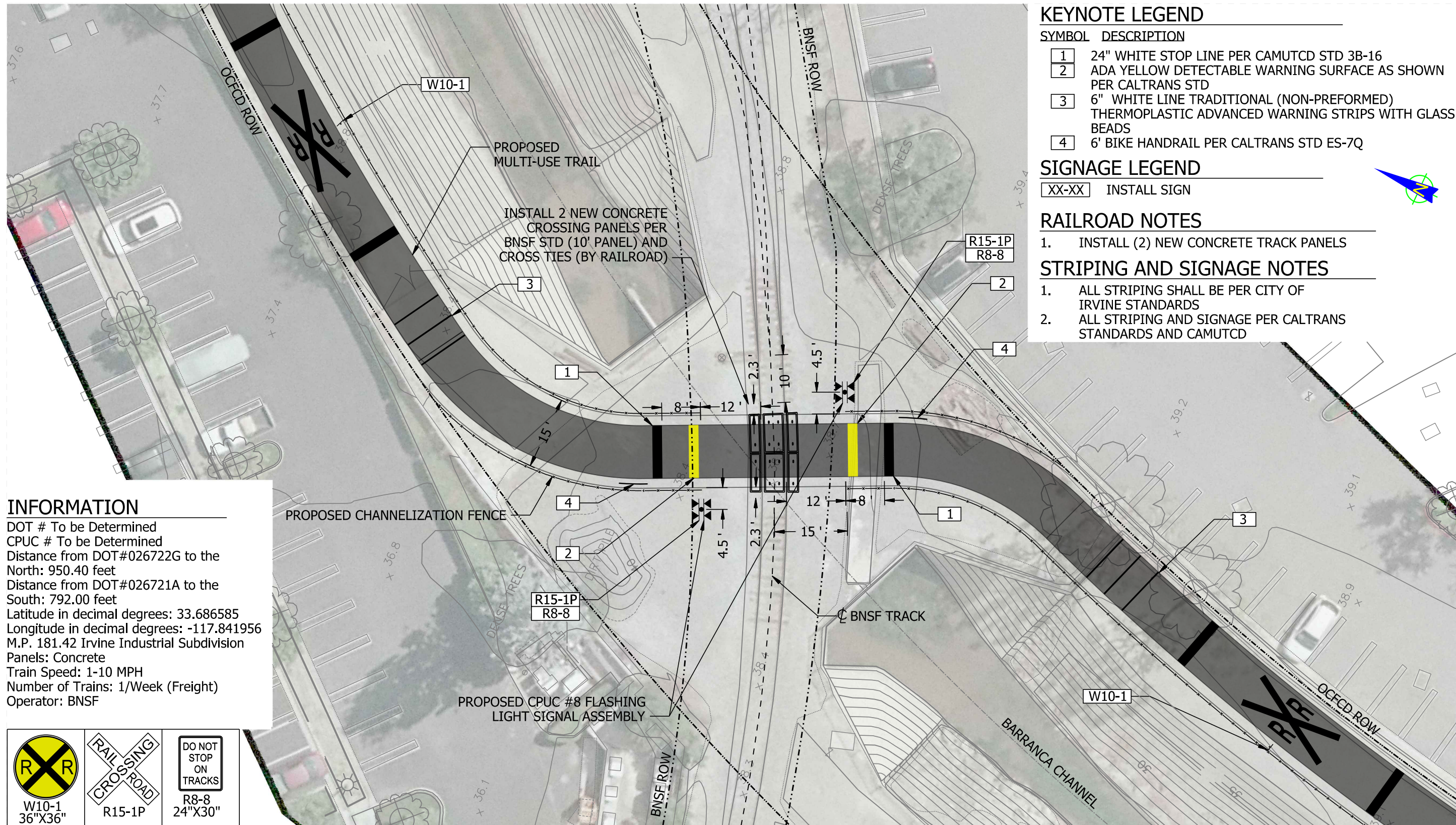
VIEW ON ALTON PARKWAY, FACING WEST



PROPOSED PHB AT ALTON PKWY
IBC MULTI-USE TRAIL ALONG BARRANCA CHANNEL
(JAMBOREE RD TO BARRANCA PKWY)
CITY OF IRVINE
PUBLIC WORKS DEPARTMENT

PLAN CHECK NO.
PERMIT NO.
PROJECT NO. 138014
SHEET 2 OF 3

Z:\Projects\IBI(117)\BarrancaChm\King(04)...Sheets\BarrancaChannelCrossing.dgn
8:21:34 AM
2/9/2024



- ### KEYNOTE LEGEND
- | SYMBOL | DESCRIPTION |
|--------|--|
| 1 | 24" WHITE STOP LINE PER CAMUTCD STD 3B-16 |
| 2 | ADA YELLOW DETECTABLE WARNING SURFACE AS SHOWN PER CALTRANS STD |
| 3 | 6" WHITE LINE TRADITIONAL (NON-PREFORMED) THERMOPLASTIC ADVANCED WARNING STRIPS WITH GLASS BEADS |
| 4 | 6' BIKE HANDRAIL PER CALTRANS STD ES-7Q |

- ### SIGNAGE LEGEND
- | | |
|-------|--------------|
| XX-XX | INSTALL SIGN |
|-------|--------------|

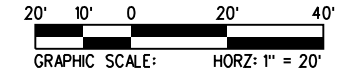
- ### RAILROAD NOTES
- INSTALL (2) NEW CONCRETE TRACK PANELS

- ### STRIPING AND SIGNAGE NOTES
- ALL STRIPING SHALL BE PER CITY OF IRVINE STANDARDS
 - ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD

INFORMATION

DOT # To be Determined
 CPUC # To be Determined
 Distance from DOT#026722G to the North: 950.40 feet
 Distance from DOT#026721A to the South: 792.00 feet
 Latitude in decimal degrees: 33.686585
 Longitude in decimal degrees: -117.841956
 M.P. 181.42 Irvine Industrial Subdivision
 Panels: Concrete
 Train Speed: 1-10 MPH
 Number of Trains: 1/Week (Freight)
 Operator: BNSF

W10-1 36"X36"	R15-1P	R8-8 24"X30"



PROJECT NUMBER	COST ELEMENT	LINE ITEM	CONTRACT DESIGNATOR	PHYSICAL ENTITY	WORK ELEMENT
CPUC EXHIBIT					
REV	DATE	DESCRIPTION	BY	SUB	APP

Information confidential all plans, drawings, specifications, and/or information furnished hereon shall remain the property of the BNSF Railway and shall be held confidential and shall not be used for any purpose not provided for in agreements with the BNSF Railway

DESIGNED BY
 DRAWN BY
 CHECKED BY
 APPROVED BY
 DATE FEBRUARY 9, 2024

BNSF RAILWAY
 IRVINE INDUSTRIAL PARK SUBDIVISION
 LINE SEGMENT 7600
 BARRANCA CHANNEL CROSSING EXHIBIT
 MP 181.42 STA 106+18.0

CONTRACT NO.	
DRAWING NO.	
REVISION	SHEET NO.
SCALE	AS SHOWN