

Conceptual Engineering Plan Set

Volume II

LA RIVER PATH



Metro®

June 2021



CONCEPTUAL ENGINEERING

LOS ANGELES RIVER PATH

(VOLUME 2 OF 2)

JUNE 4, 2021

CONTRACT NO. AE4779-5000

LOS ANGELES RIVER PATH



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CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

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REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	J. LOOMIS
DRAWN BY	P. WALKER
CHECKED BY	M. COOPER
IN CHARGE	M. NEGRETE
DATE	6.4.2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

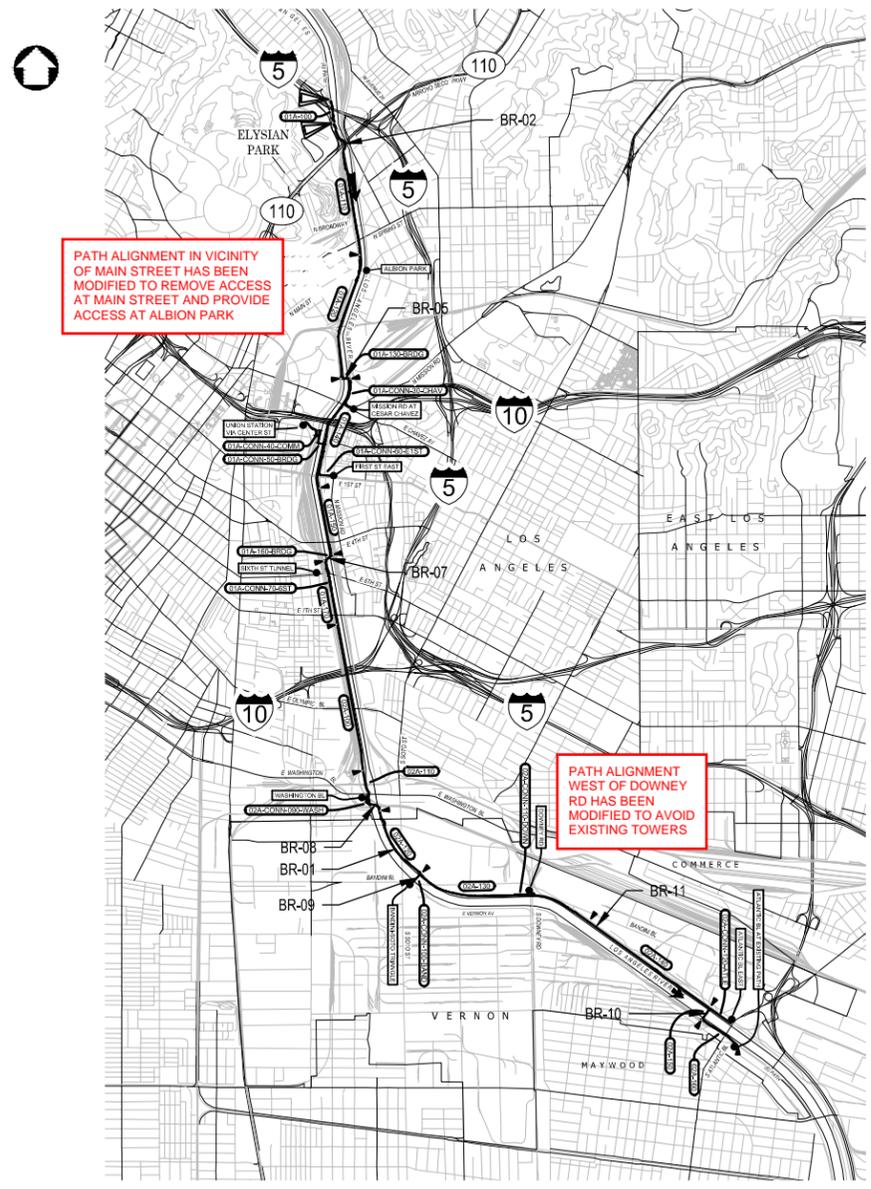
LOS ANGELES RIVER PATH
PROJECT

INDEX OF DRAWINGS

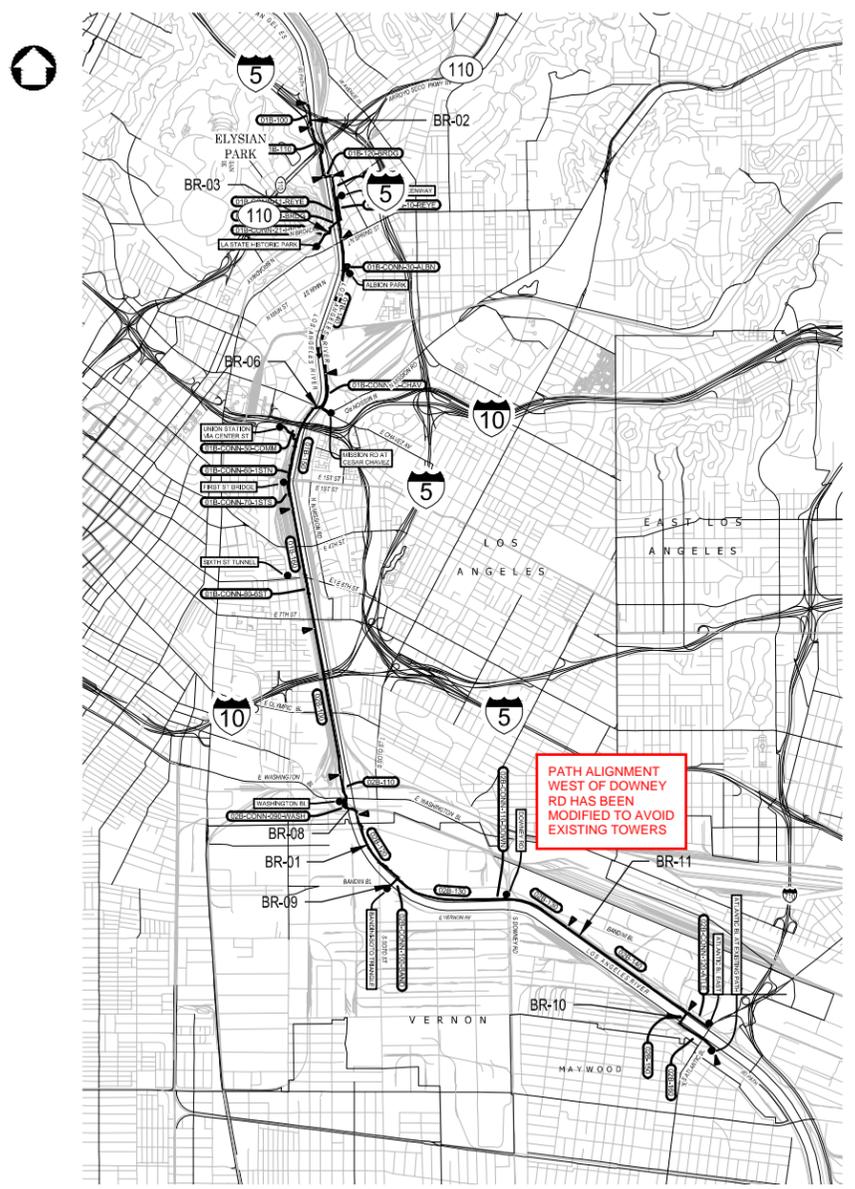
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SCALE	AS SHOWN
SHEET NO	2 OF 69

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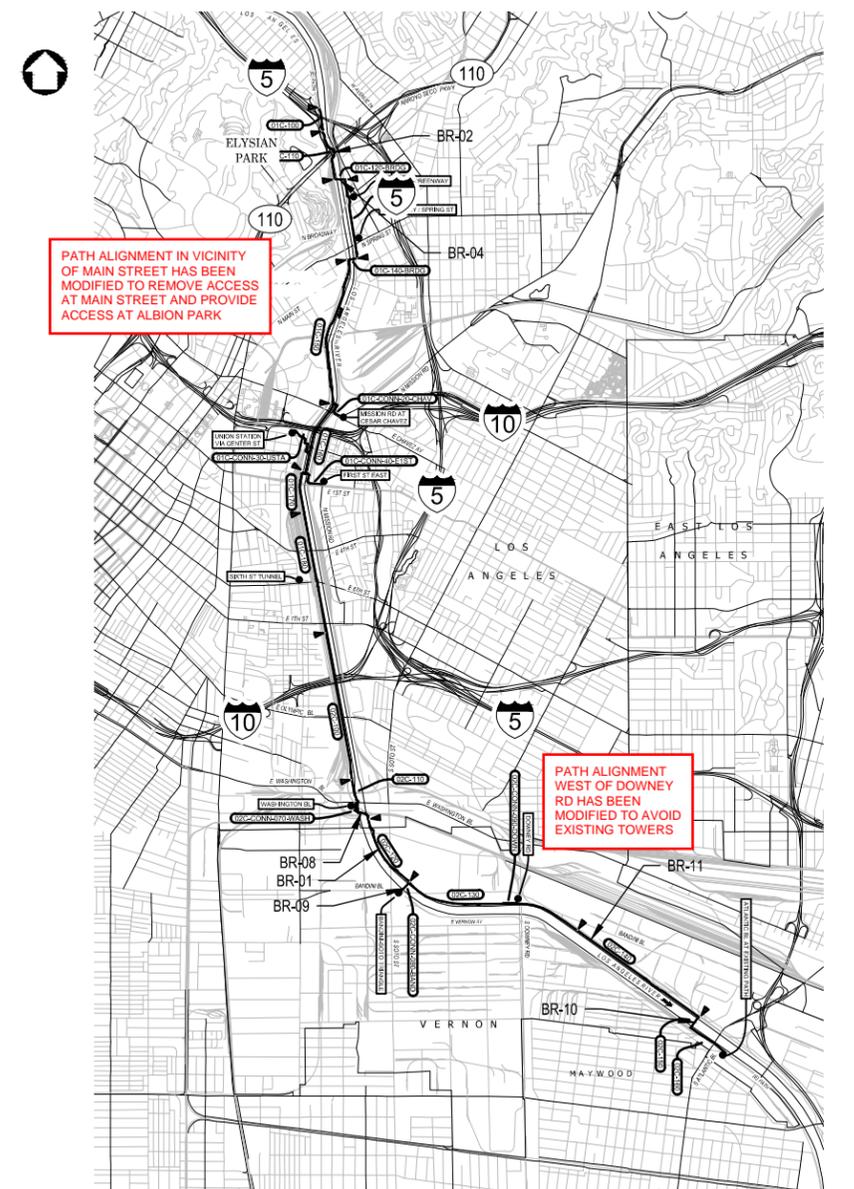
- 01A-100 PATH ALIGNMENT NAME
- PATH ALIGNMENT BEGIN / END POINT
- DOWNEY RD ACCESS POINT NAME
- ACCESS POINT
- BR-02 STRUCTURE PLANNING STUDY LOCATION



PROJECT PLAN - PROPOSED PROJECT ALIGNMENT
1" = 3200'



PROJECT PLAN - OPTION 1 ALIGNMENT
1" = 3200'



PROJECT PLAN - OPTION 2 ALIGNMENT
1" = 3200'

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

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DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

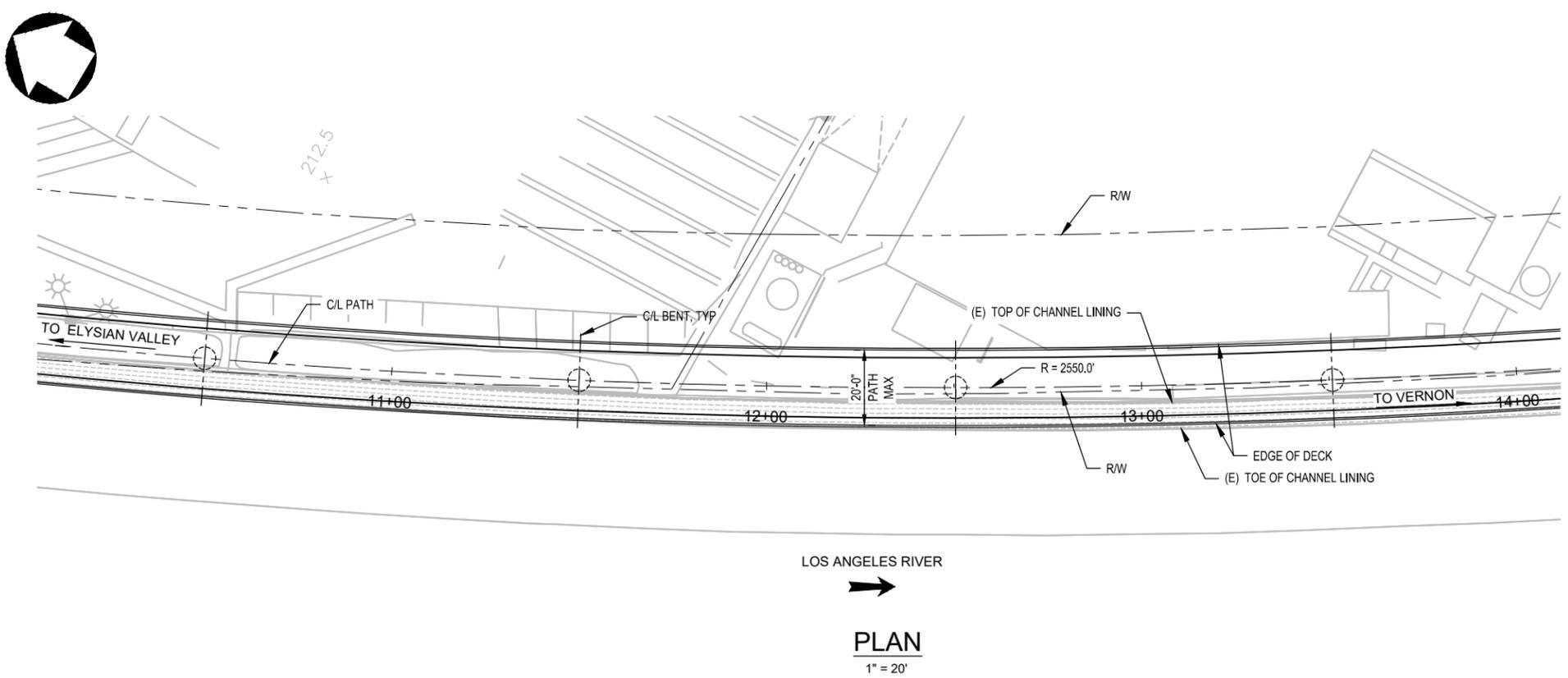
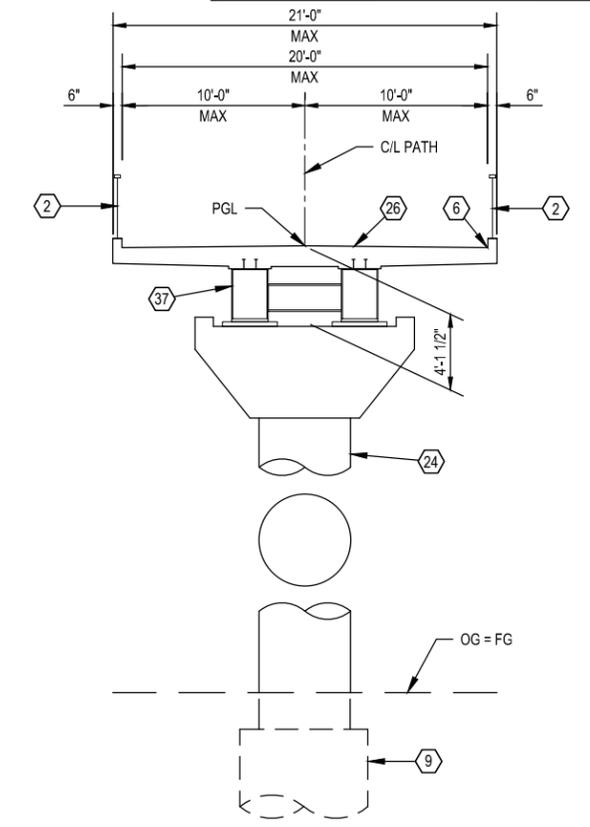
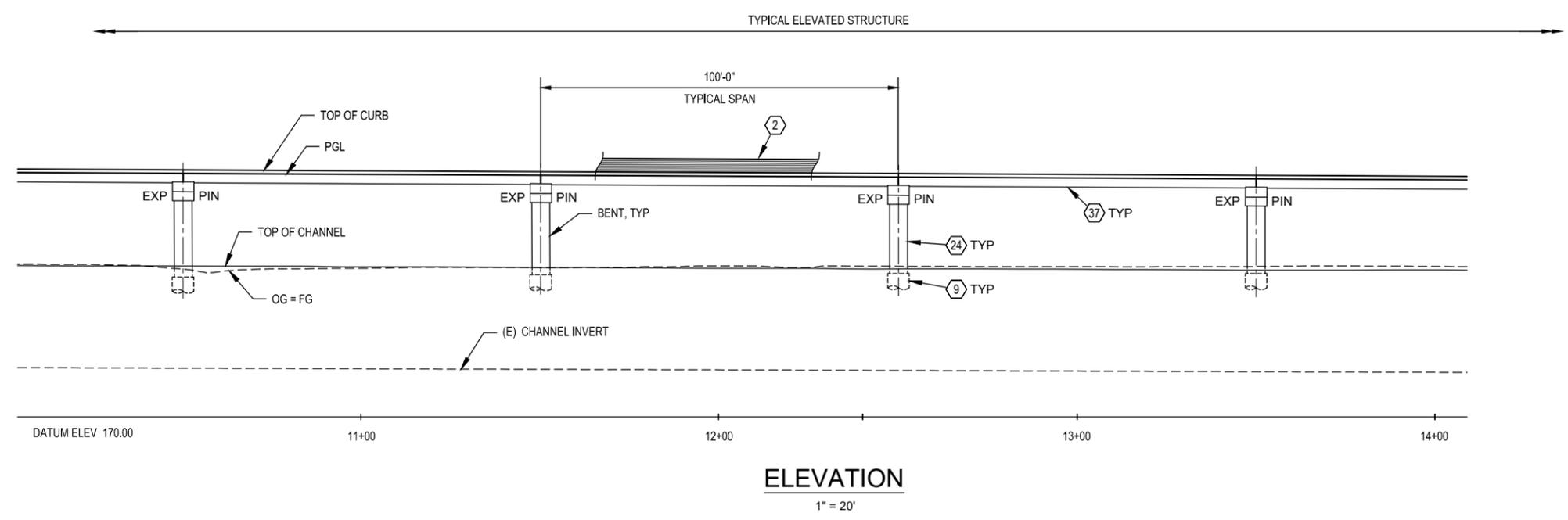
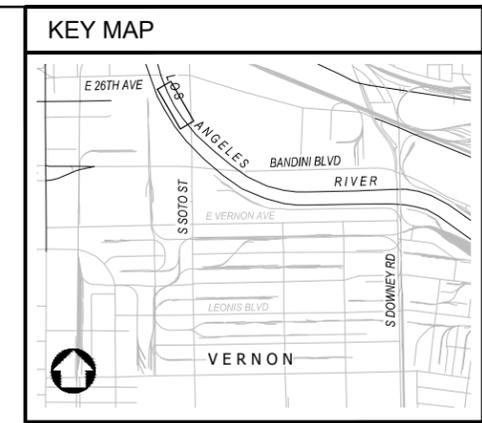
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

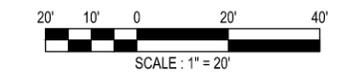
LOS ANGELES RIVER PATH
PROJECT

STRUCTURES PROJECT PLAN

CONTRACT NO AE47795000	
DRAWING NO LAR-BR00-003	REV
SCALE AS SHOWN	
SHEET NO 3 OF 69	



- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑨ CIDH CONCRETE PILE (7' DIA)
 - ⑳ REINFORCED CONCRETE COLUMN (5' DIA)
 - ㉔ REINFORCED CONCRETE DECK
 - ㉟ TWIN STEEL BOX GIRDER



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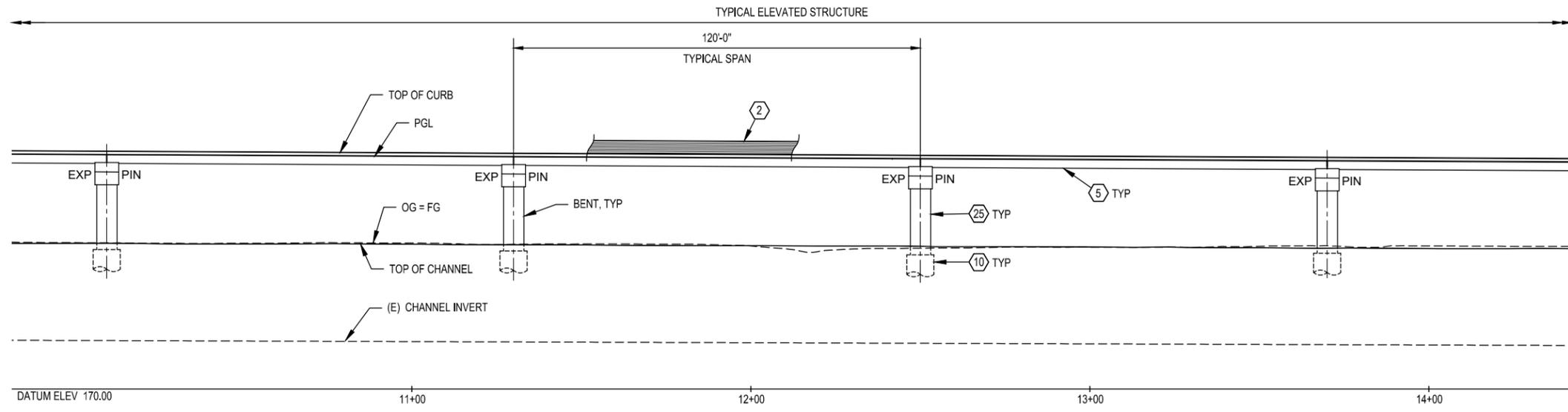
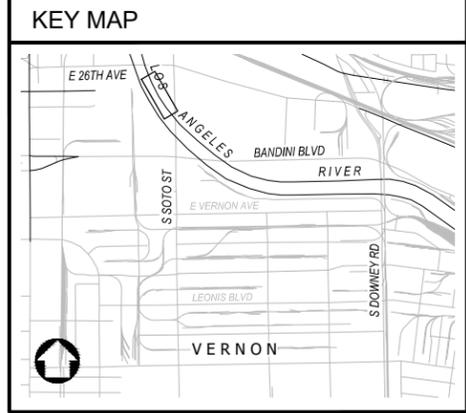
DESIGNED BY
J. LOOMIS
DRAWN BY
P. WALKER
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



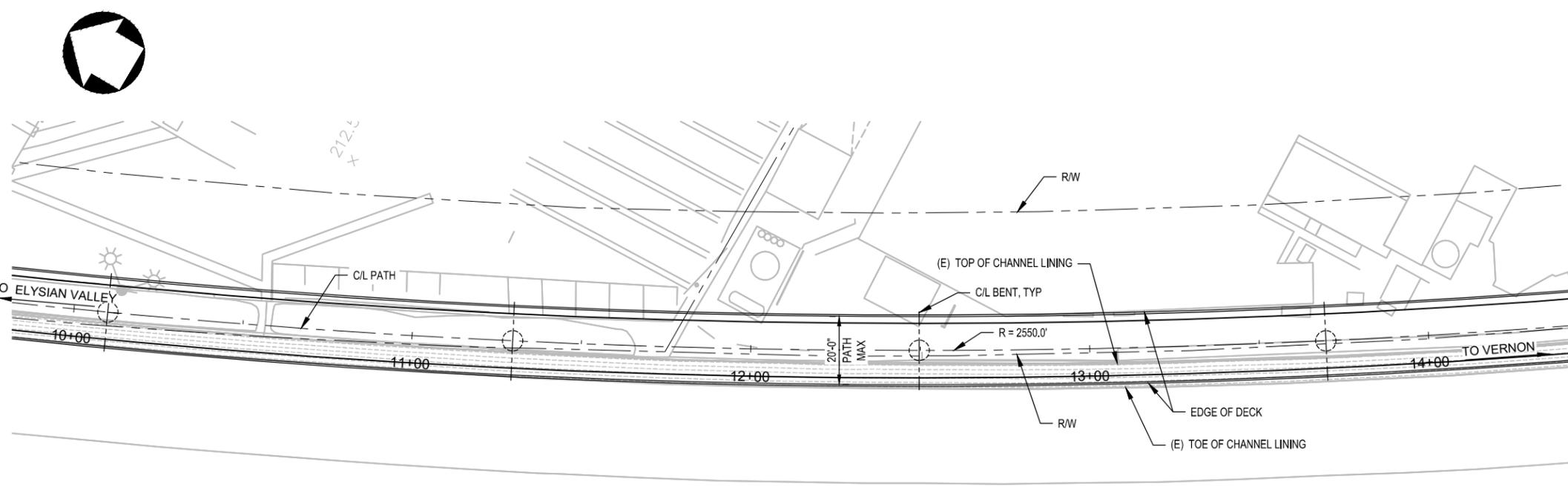
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
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LOS ANGELES RIVER PATH PROJECT
TYPICAL ELEVATED STRUCTURE ALTERNATIVE 1: TWIN STEEL BOX GIRDER SUPERSTRUCTURE

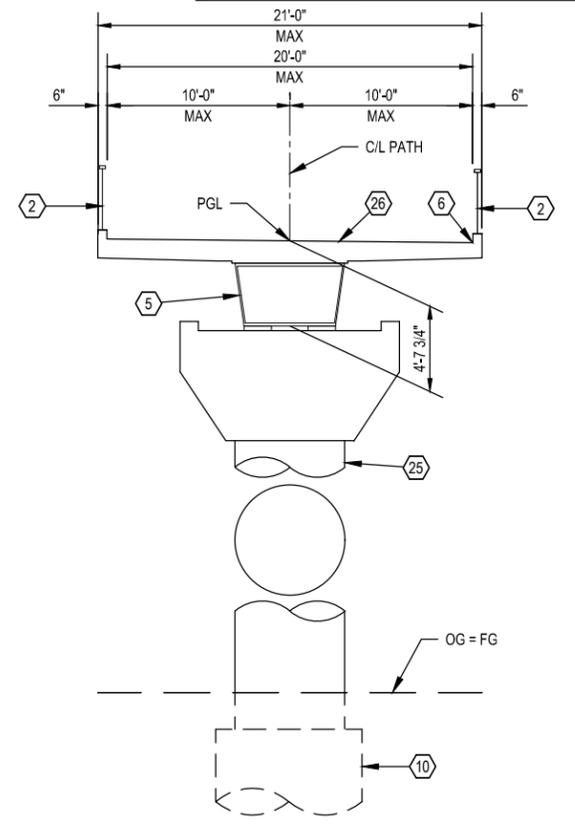
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ELEVATION
1" = 20'

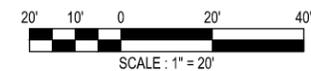


PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

- LEGEND:
- (2) 48-INCH RAILING
 - (5) CENTRAL STEEL BOX GIRDER
 - (6) DECK DRAIN
 - (10) CIDH CONCRETE PILE (8' DIA)
 - (25) REINFORCED CONCRETE COLUMN (6' DIA)
 - (26) REINFORCED CONCRETE DECK



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CONCEPTUAL ENGINEERING

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DESIGNED BY
J. LOOMIS
DRAWN BY
P. WALKER
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



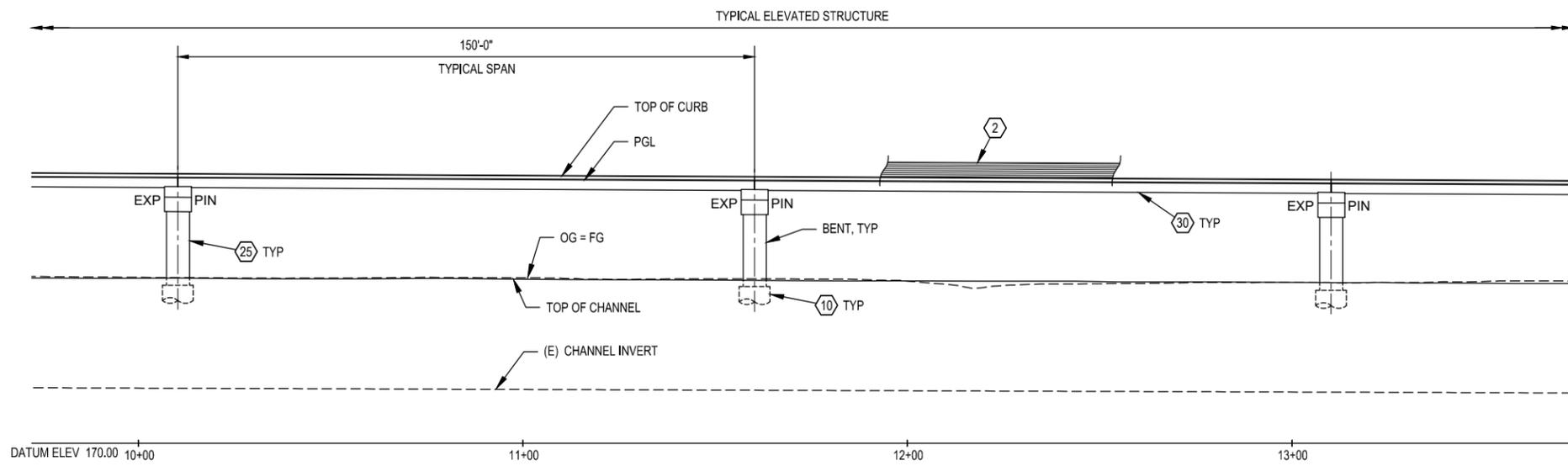
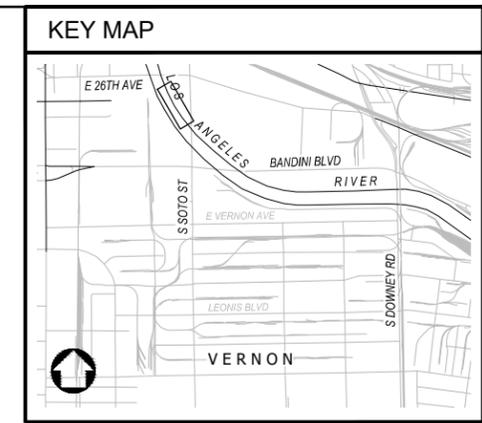
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

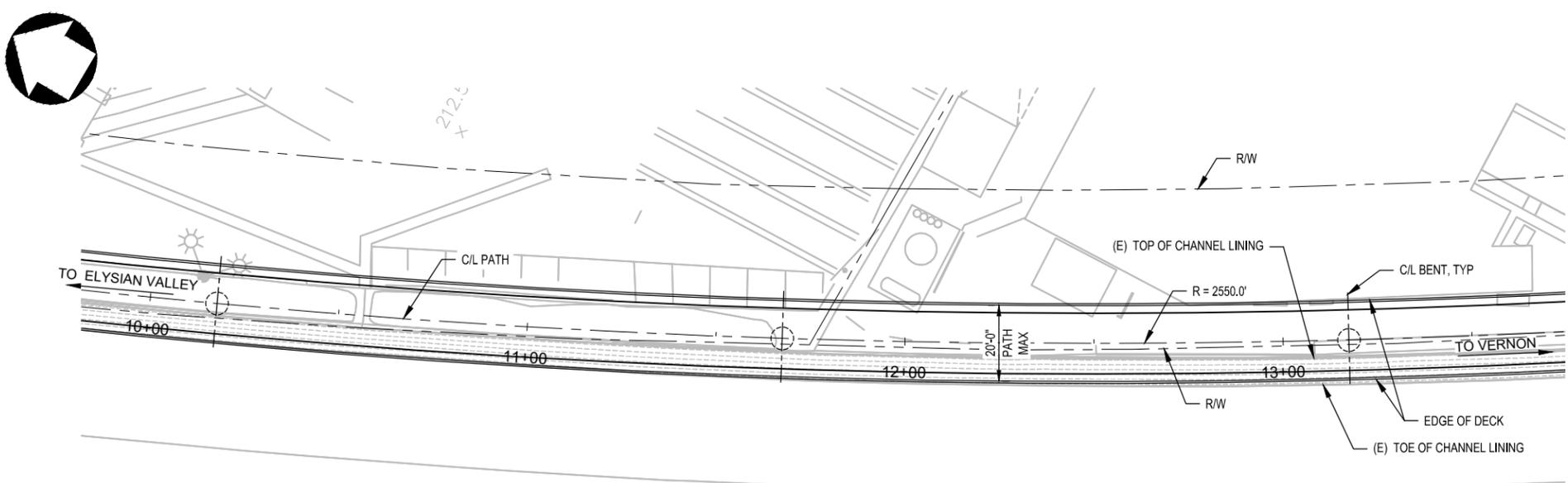
LOS ANGELES RIVER PATH
PROJECT

TYPICAL ELEVATED STRUCTURE
ALTERNATIVE 2: CENTRAL STEEL BOX
GIRDER SUPERSTRUCTURE

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DRAWING NO LAR-BR01-ALT02-01	
SCALE AS SHOWN	
SHEET NO 5 OF 69	

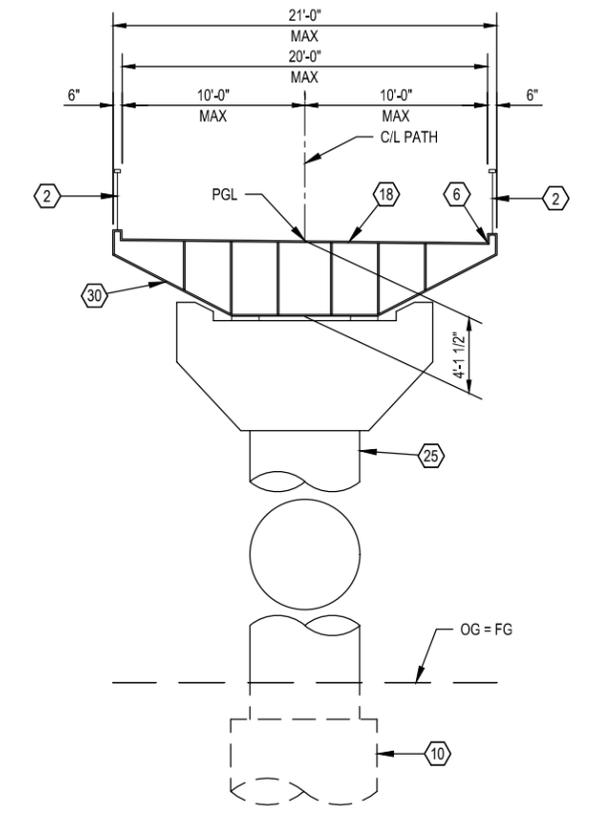


ELEVATION
1" = 20'



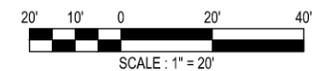
LOS ANGELES RIVER
➔

PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

- LEGEND:
- (2) 48-INCH RAILING
 - (6) DECK DRAIN
 - (10) CIDH CONCRETE PILE (8' DIA)
 - (18) WEARING SURFACE
 - (25) REINFORCED CONCRETE COLUMN (6' DIA)
 - (30) STEEL BOX SUPERSTRUCTURE



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CONCEPTUAL ENGINEERING

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J. LOOMIS
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CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



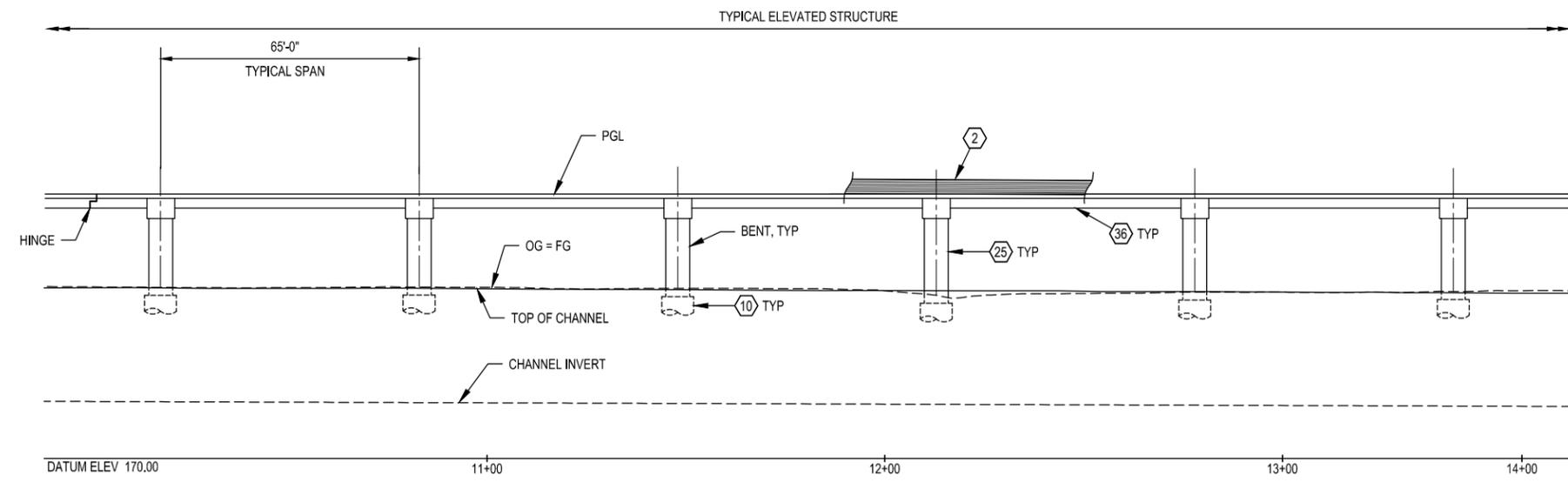
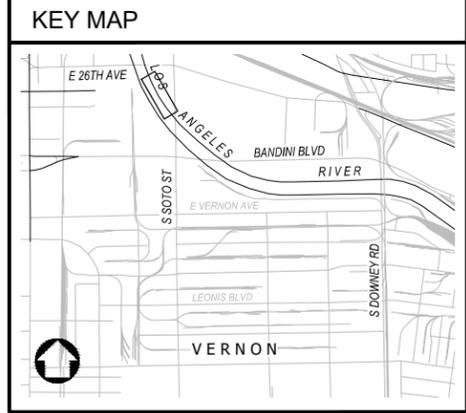
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

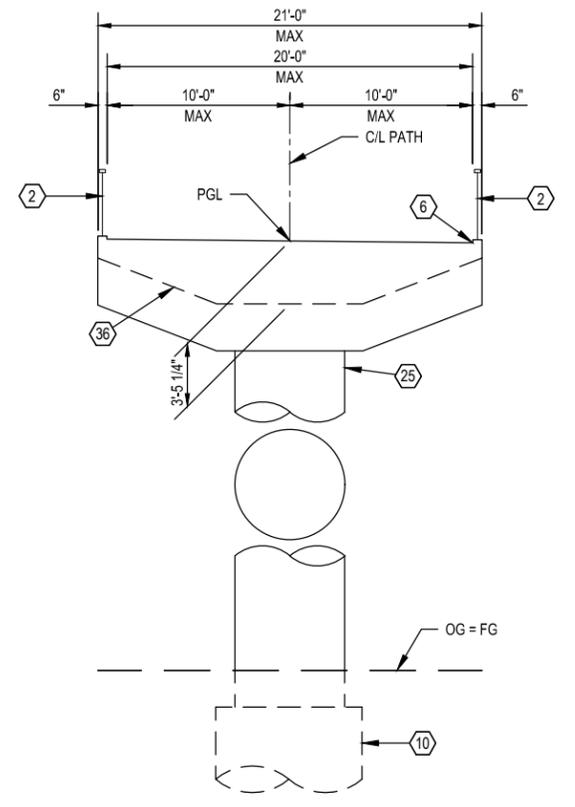
LOS ANGELES RIVER PATH
PROJECT

TYPICAL ELEVATED STRUCTURE
ALTERNATIVE 3:
STEEL BOX SUPERSTRUCTURE

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DRAWING NO LAR-BR01-ALT03-01	REV
SCALE AS SHOWN	
SHEET NO 6 OF 69	

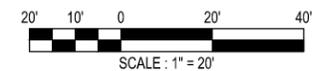


ELEVATION
1" = 20'-0"

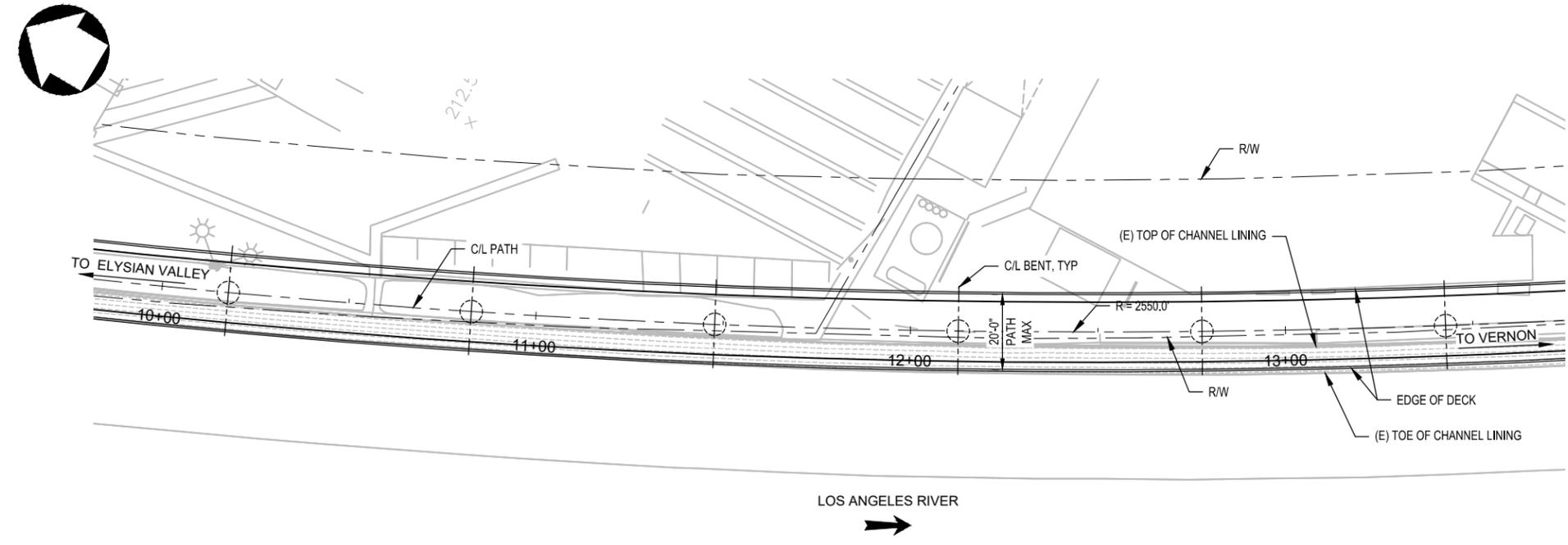


TYPICAL SECTION
1" = 5'-0"

- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑩ CIDH CONCRETE PILE FOUNDATION (8' DIA)
 - ⑳ REINFORCED CONCRETE COLUMN (6' DIA)
 - ㉞ TRAPEZOIDAL REINFORCED CONCRETE SUPERSTRUCTURE



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PLAN
1" = 20'-0"

Dwg filename: LAR-BR01-ALT04-01.DWG Last saved by: pwalker Pld date: 6/2/2021 2:53 PM Plot style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

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DRAWN BY N. MORALES
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



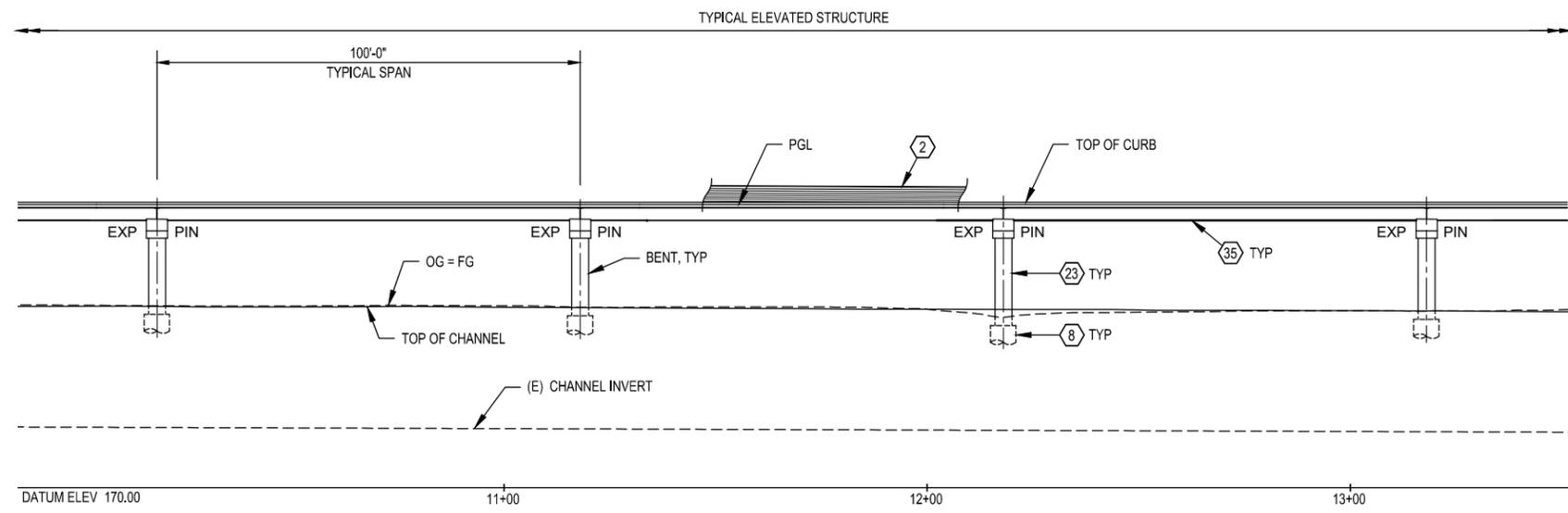
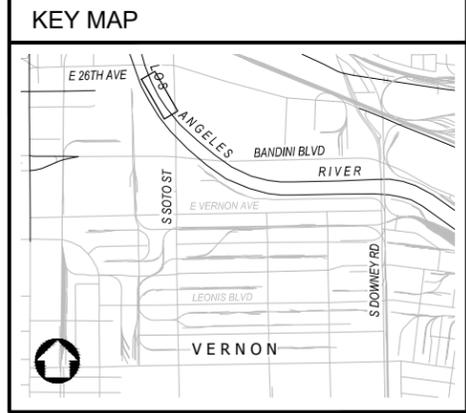
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

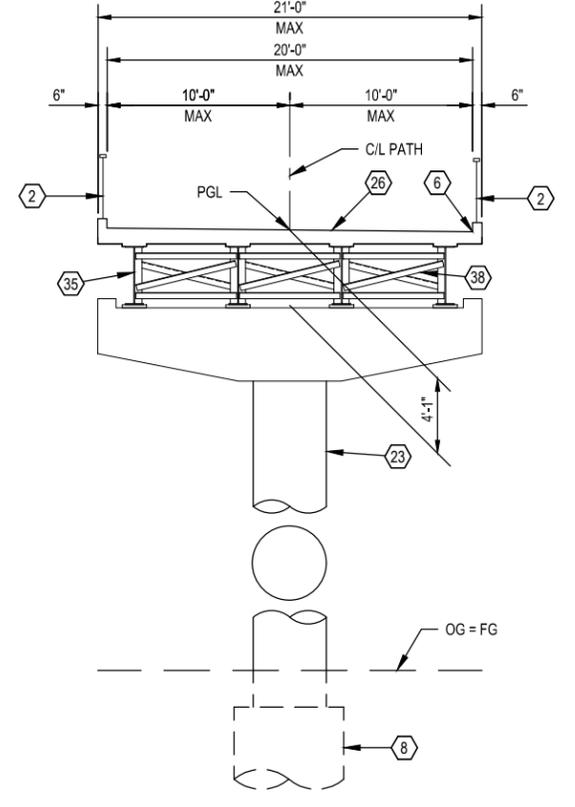
LOS ANGELES RIVER PATH
PROJECT

TYPICAL ELEVATED STRUCTURE
ALTERNATIVE 4: TRAPEZOIDAL REINFORCED
CONCRETE SUPERSTRUCTURE

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SHEET NO 7 OF 69	

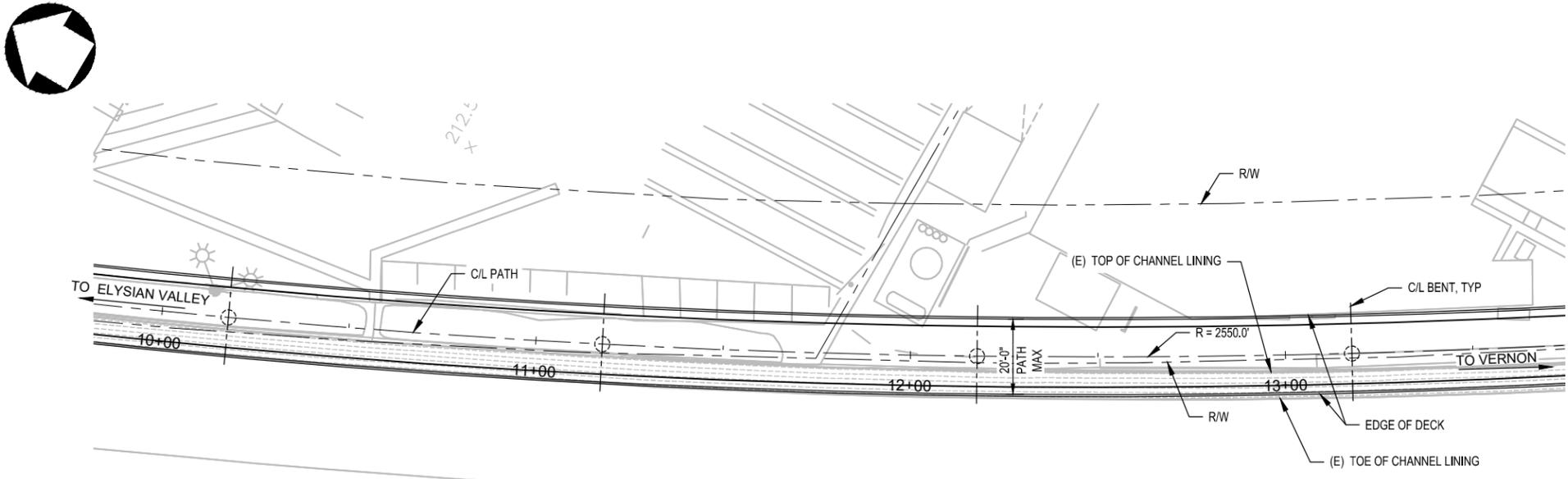


ELEVATION
1" = 20'



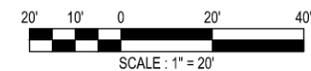
TYPICAL SECTION
1" = 5'

- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑧ CIDH CONCRETE PILE (6' DIA)
 - ⑳ REINFORCED CONCRETE COLUMN (4' DIA)
 - ㉔ REINFORCED CONCRETE DECK
 - ㉕ STEEL WIDE FLANGE GIRDER
 - ㉖ STEEL CROSS FRAME



LOS ANGELES RIVER

PLAN
1" = 20'



NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. LOOMIS

DRAWN BY
N. MORALES

CHECKED BY
M. COOPER

IN CHARGE
M. NEGRETE

DATE
6.4.2021



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT

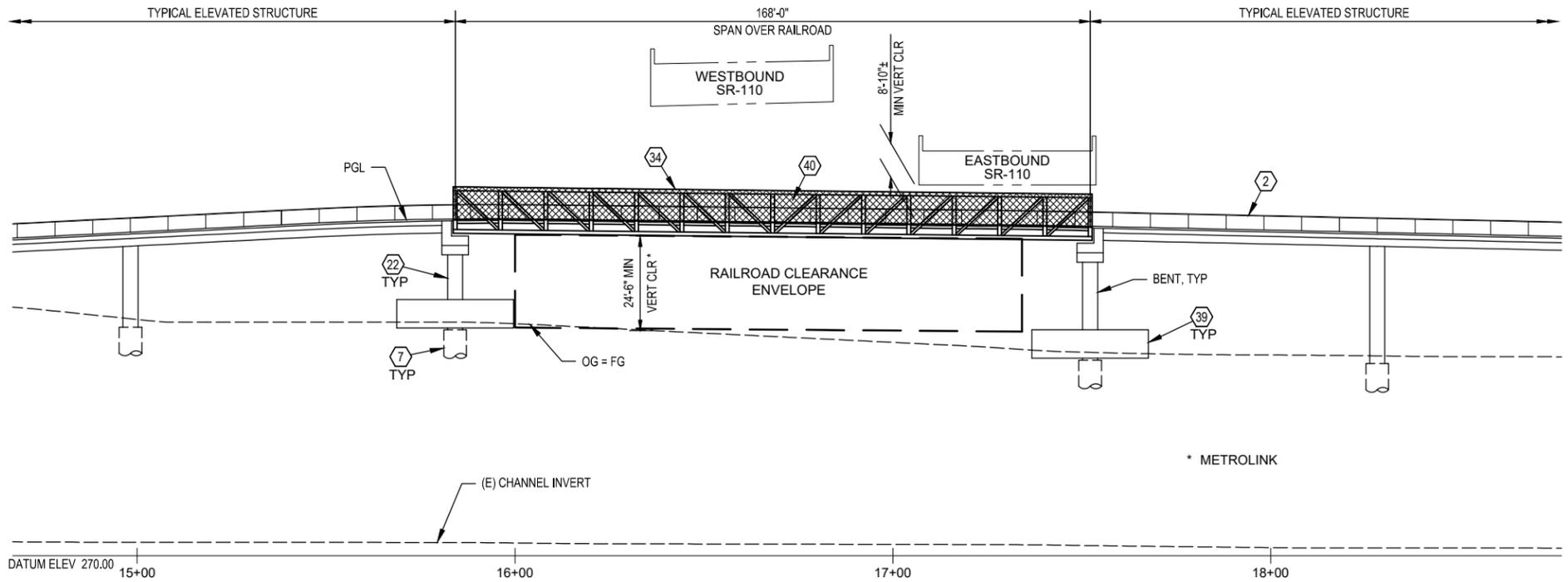
TYPICAL ELEVATED STRUCTURE
ALTERNATIVE 5: STEEL WIDE FLANGE GIRDER SUPERSTRUCTURE

CONTRACT NO
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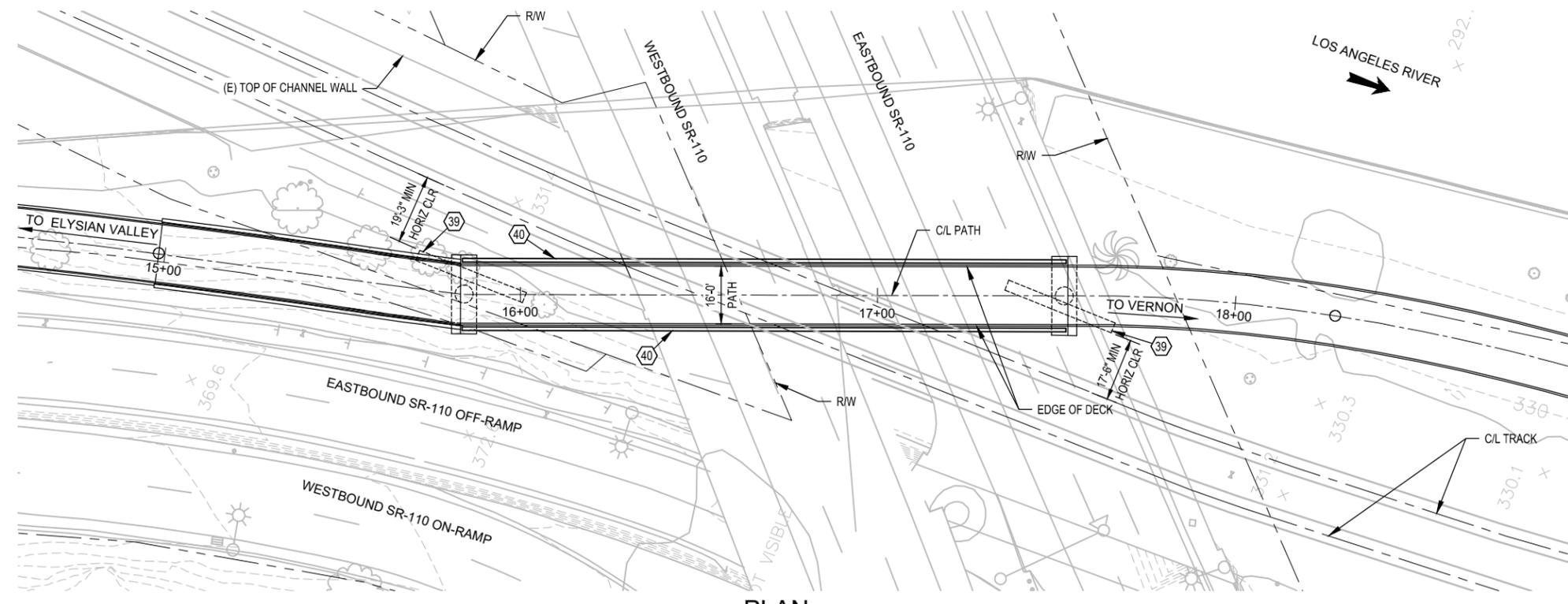
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SCALE
AS SHOWN

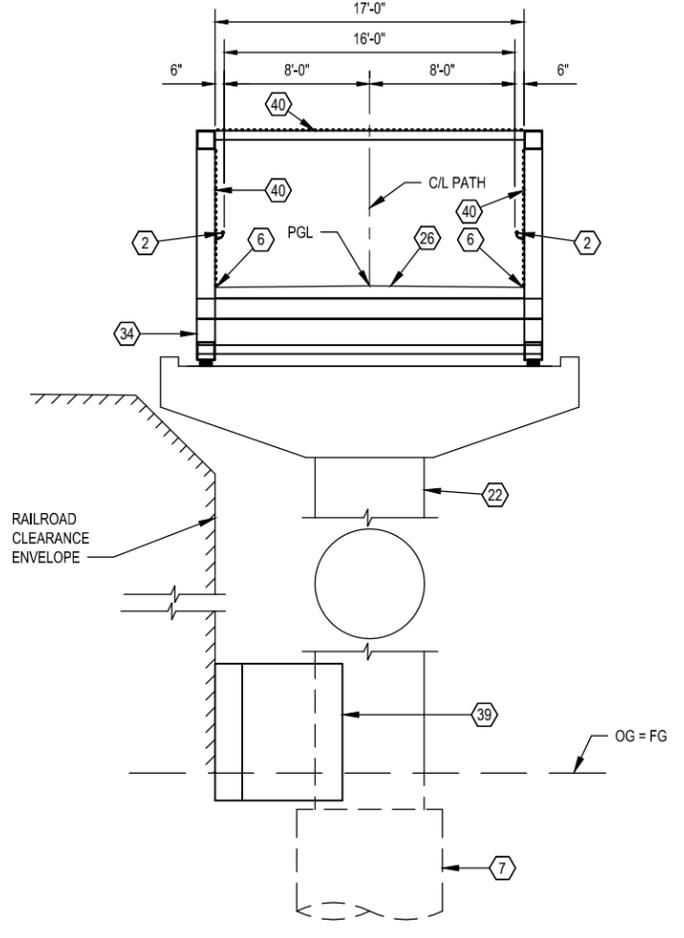
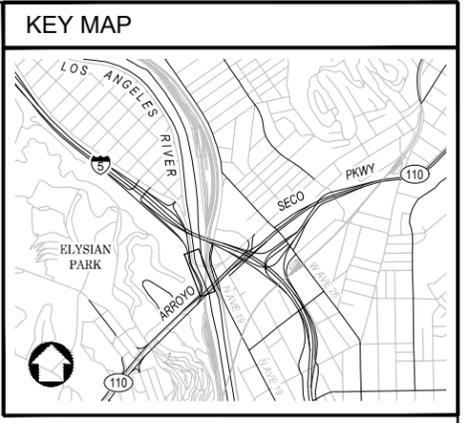
SHEET NO
8 OF 69



ELEVATION
1" = 20'

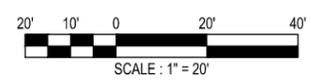


PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

- LEGEND:**
- ② 48-INCH RAILING
 - ②⑥ REINFORCED CONCRETE DECK
 - ⑥ DECK DRAIN
 - ③④ STEEL TRUSS
 - ⑦ CIDH CONCRETE PILE
 - ③⑨ CRASH WALL
 - ②② REINFORCED CONCRETE COLUMN
 - ④⑦ FENCE ENCLOSURE



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR02-ALT01-01.DWG Last saved by: pwalker Plot date: 6/22/2021 3:03 PM Plot style table: HALF_BN.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. ALDRICH

DRAWN BY
P. WALKER

CHECKED BY
M. COOPER

IN CHARGE
M. NEGRETE

DATE
6.4.2021



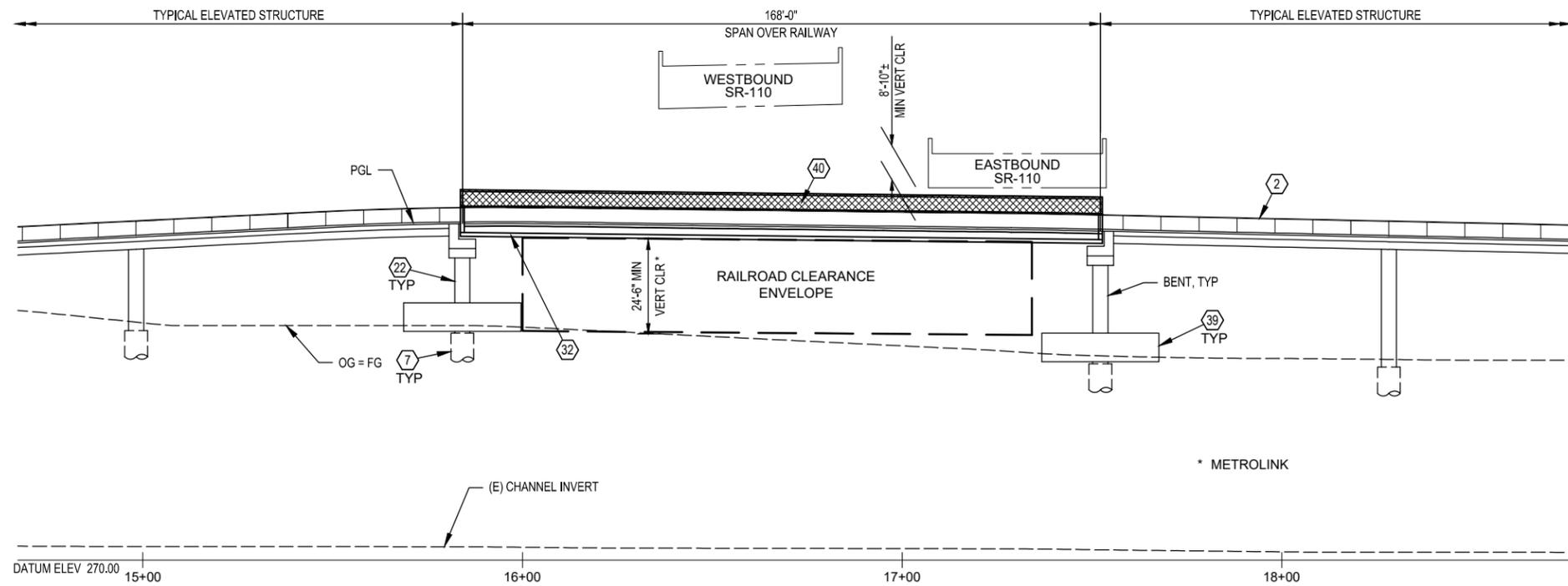
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

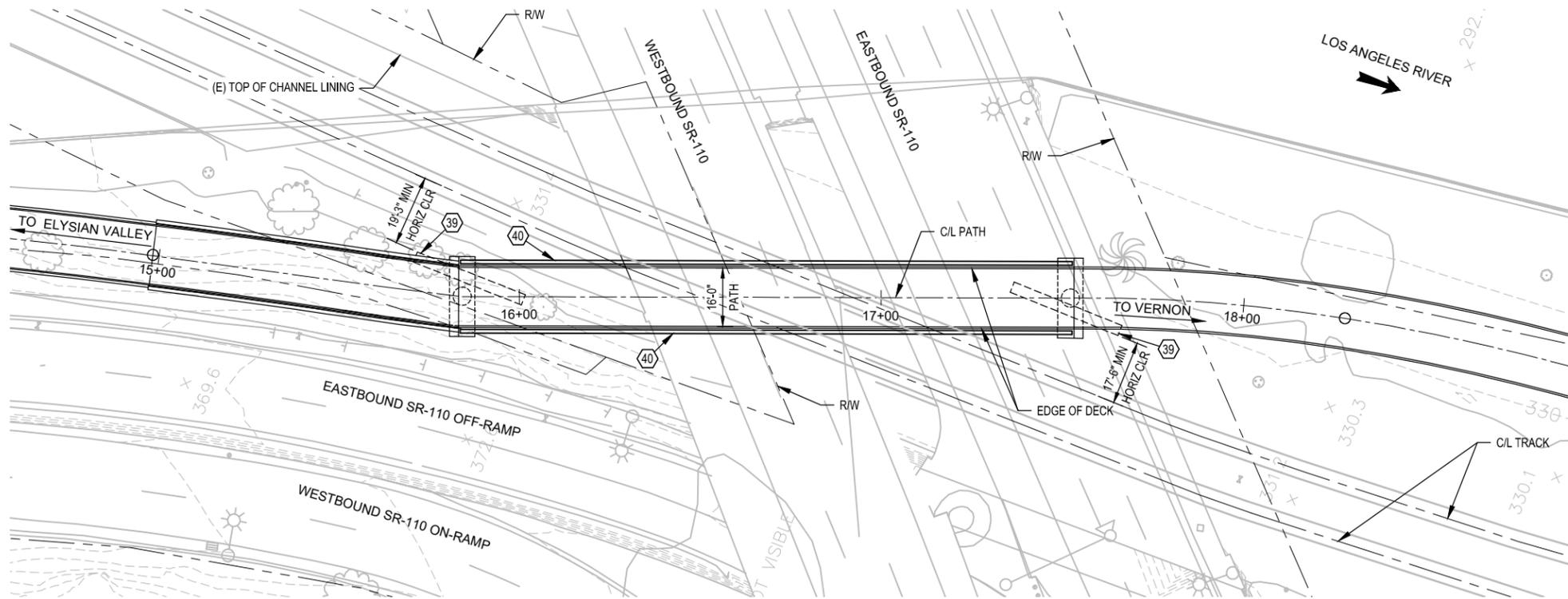
LOS ANGELES RIVER PATH
PROJECT

PATH AT
ARROYO SECO PARKWAY ALTERNATIVE 1:
STEEL TRUSS SUPERSTRUCTURE

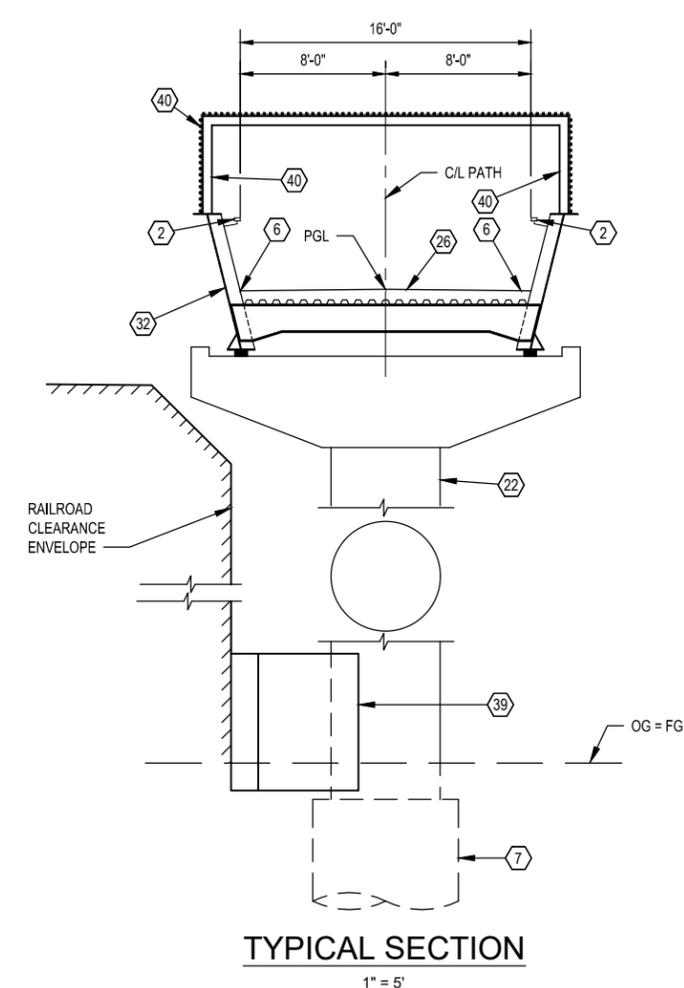
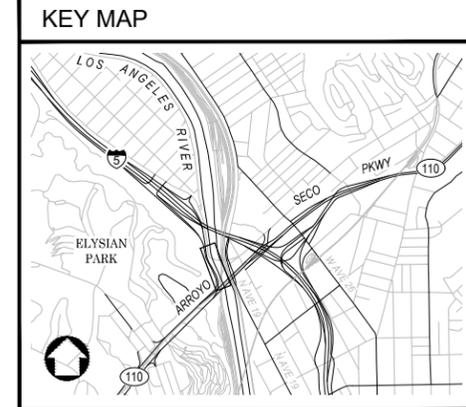
CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR02-ALT01-01	AS SHOWN
SCALE	SHEET NO
	9 OF 69



ELEVATION
1" = 20'

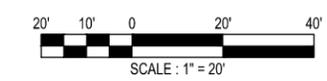


PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

- LEGEND:**
- 48-INCH RAILING
 - DECK DRAIN
 - CIDH CONCRETE PILE
 - REINFORCED CONCRETE COLUMN
 - REINFORCED CONCRETE DECK
 - STEEL THROUGH GIRDER
 - CRASH WALL
 - FENCE ENCLOSURE



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR02-ALT02-01.DWG Last saved by: pwalker Plot date: 6/22/2021 3:08 PM Plot style table: HALF_BN.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. ALDRICH
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

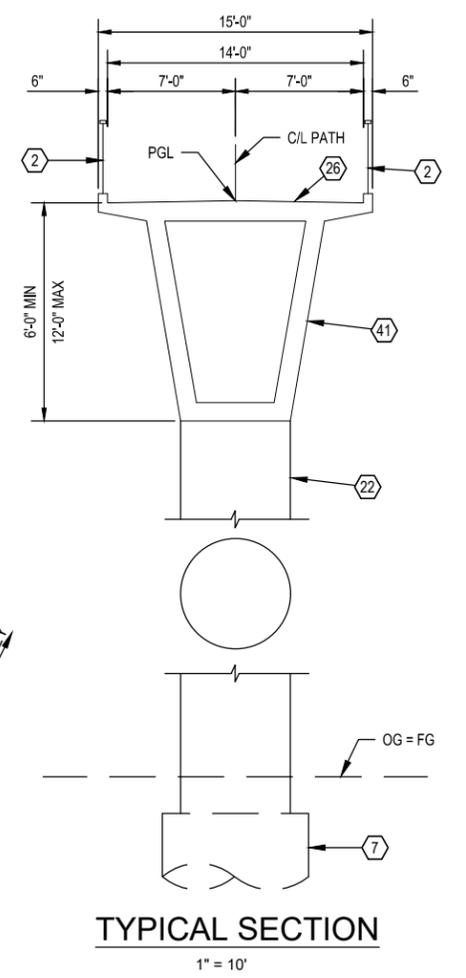
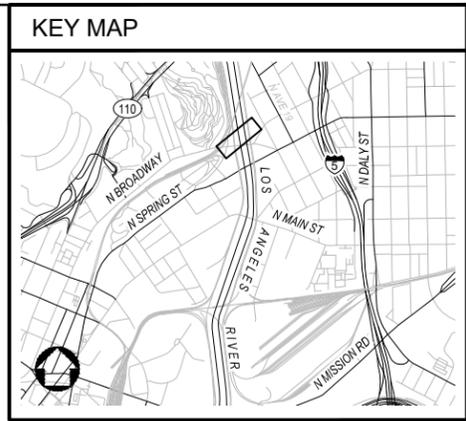
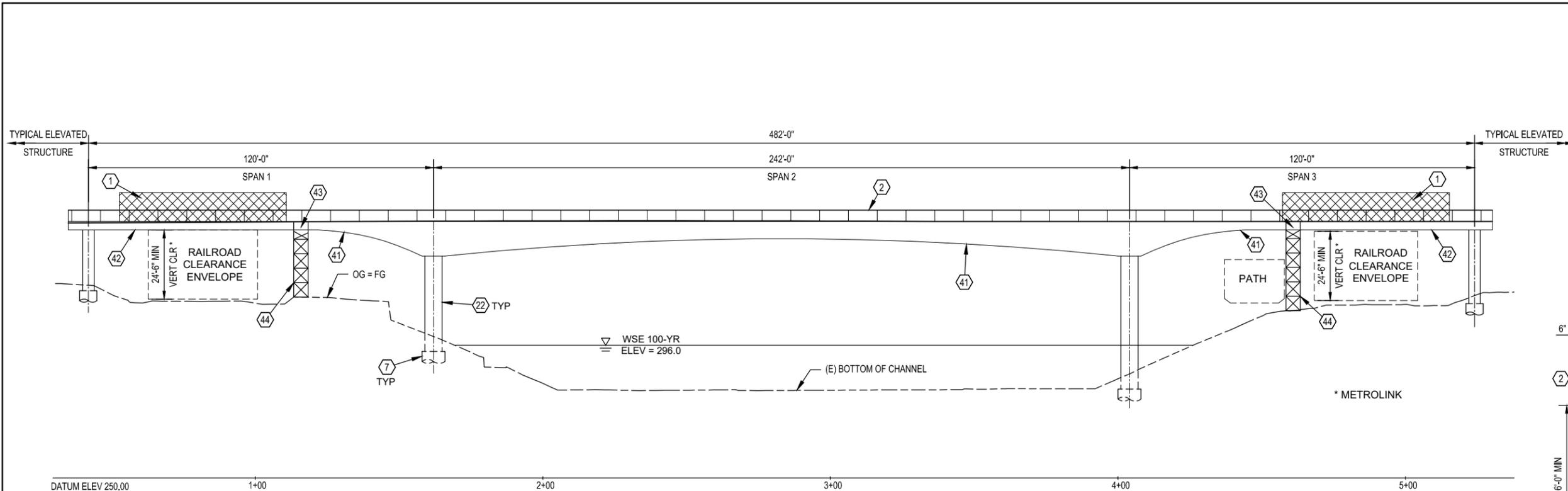
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

PATH AT
ARROYO SECO PARKWAY ALTERNATIVE 2:
STEEL THROUGH GIRDER SUPERSTRUCTURE

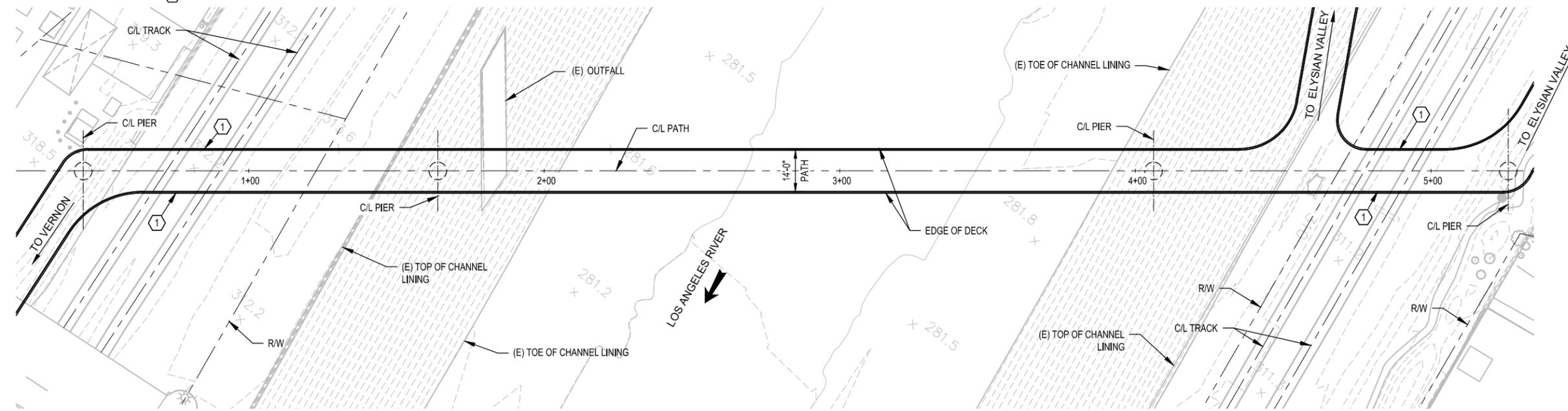
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DRAWING NO LAR-BR02-ALT02-01	AS SHOWN
SCALE	SHEET NO
10 OF 69	



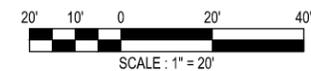
ELEVATION
 1" = 20'

LEGEND:

- 1 10' FENCE
- 2 48-INCH RAILING
- 7 CIDH CONCRETE PILE
- 22 REINFORCED CONCRETE COLUMN
- 26 REINFORCED CONCRETE DECK
- 41 VARIABLE DEPTH CAST-IN-PLACE POST-TENSIONED BOX GIRDER
- 42 PRECAST PRESTRESSED POST-TENSIONED GIRDERS
- 43 CAST-IN-PLACE SPLICE
- 44 SHORING TOWER



PLAN
 1" = 20'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR03-ALT01-01.DWG Last saved by: pwalker Pld date: 6/7/2021 5:52 PM Plot style table: HALF_BW.CTB

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

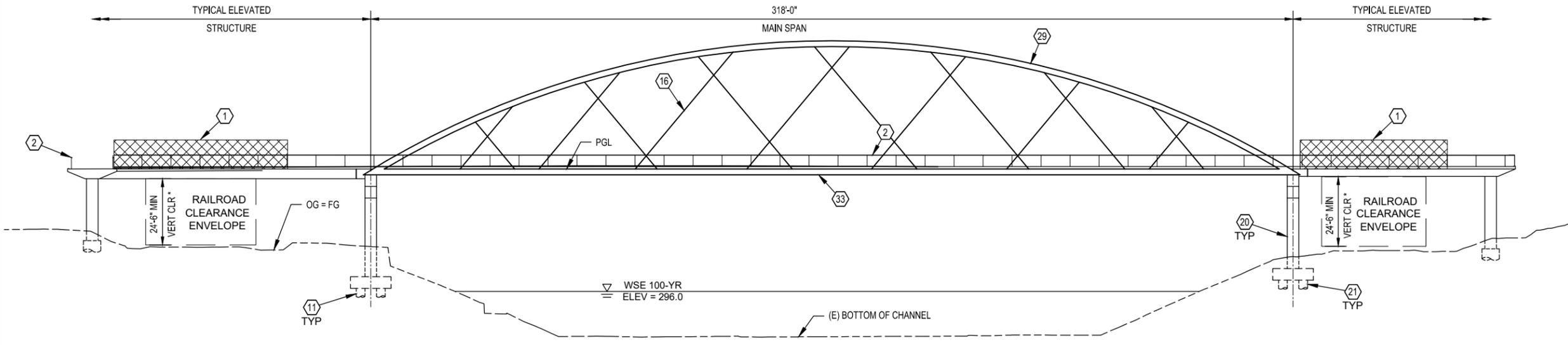
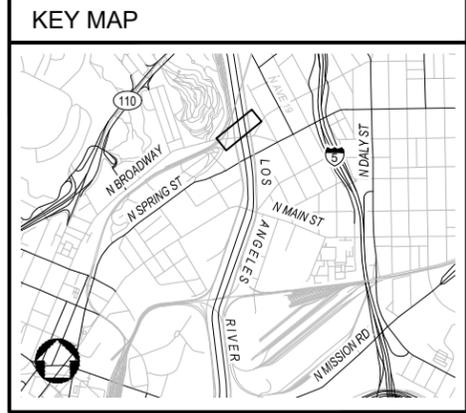
DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
 JACOBS
 1000 WILSHIRE BLVD #2100
 LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
 PATH AT NORTH BROADWAY OVER LOS ANGELES RIVER ALTERNATIVE 1: CIP POST-TENSIONED BOX GIRDER

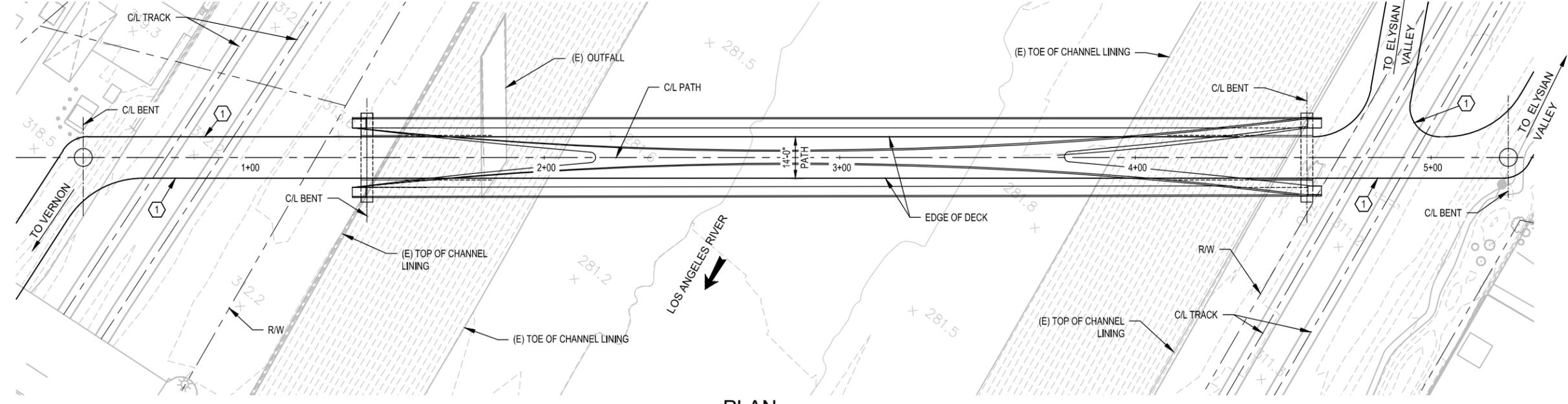
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DRAWING NO LAR-BR03-ALT01-01	
SCALE AS SHOWN	
SHEET NO 11 OF 69	



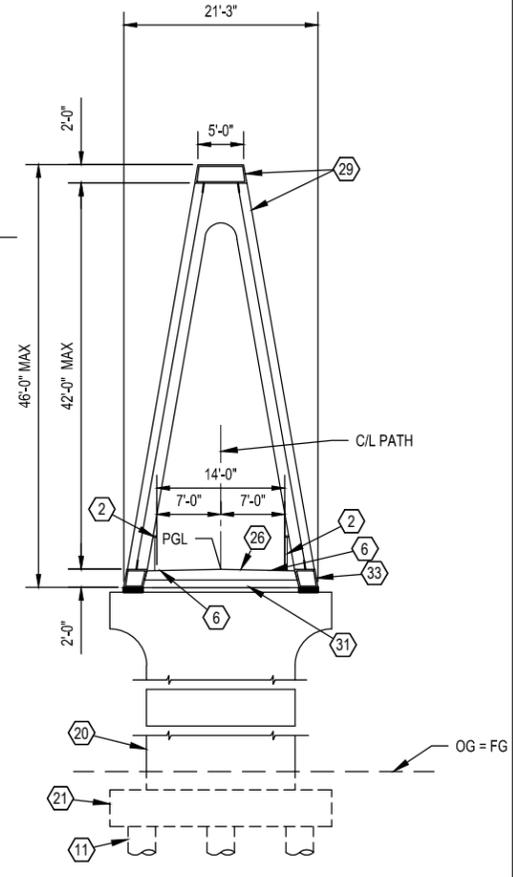
ELEVATION
1" = 20'

LEGEND:

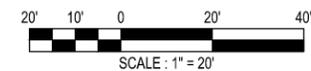
- ① 10' FENCE
- ② 48-INCH RAILING
- ⑤ DECK DRAIN
- ⑪ CIDH CONCRETE PILE GROUP
- ⑬ INCLINED HANGER CABLES
- ⑳ PIER WALL
- ㉑ PILE CAP
- ㉒ REINFORCED CONCRETE DECK
- ㉓ STEEL ARCH
- ㉔ STEEL RIBS
- ㉕ STEEL TIE GIRDER



PLAN
1" = 20'



TYPICAL SECTION
1" = 10'



NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

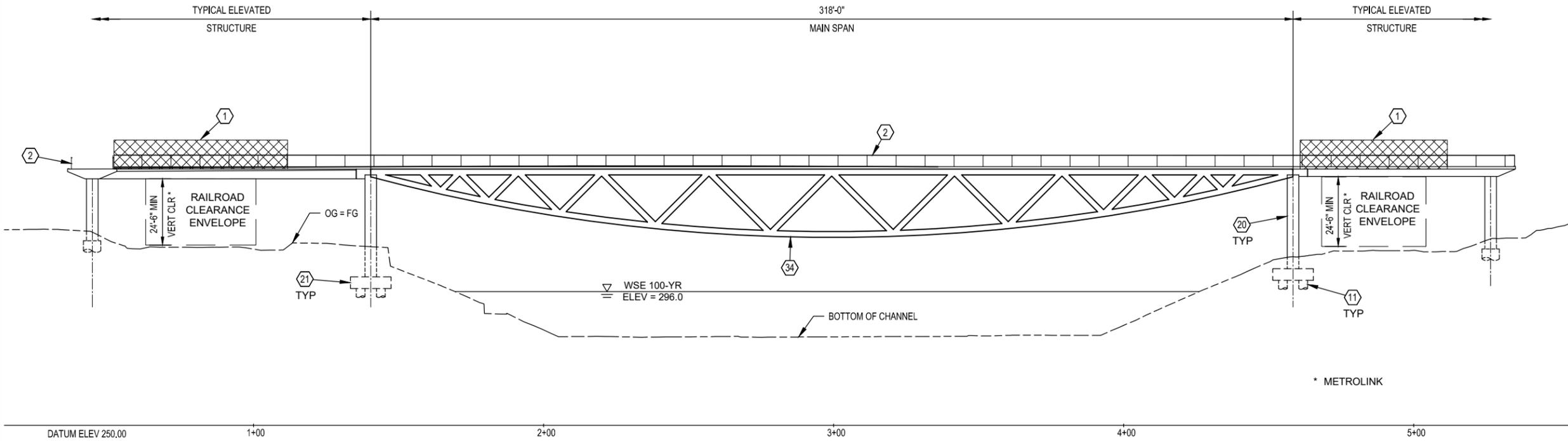
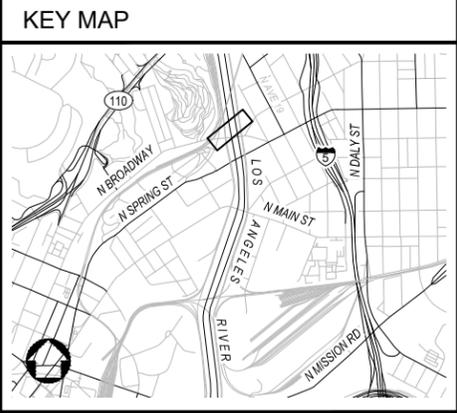
Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT NORTH BROADWAY OVER LOS ANGELES RIVER ALTERNATIVE 2: NETWORK TIED ARCH

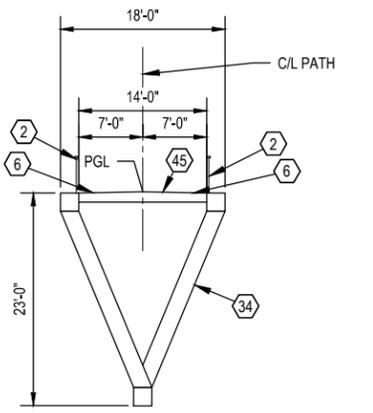
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DRAWING NO LAR-BR03-ALT02-01	
SCALE AS SHOWN	
SHEET NO 12 OF 69	

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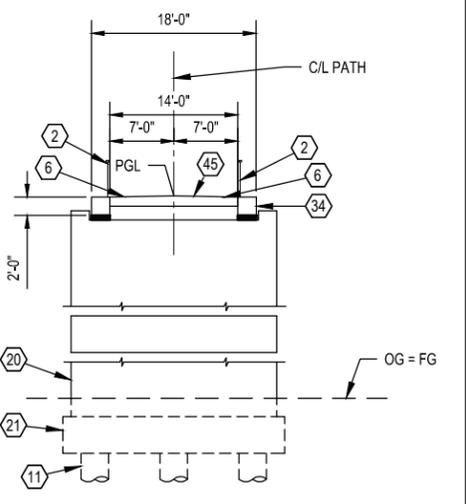


ELEVATION
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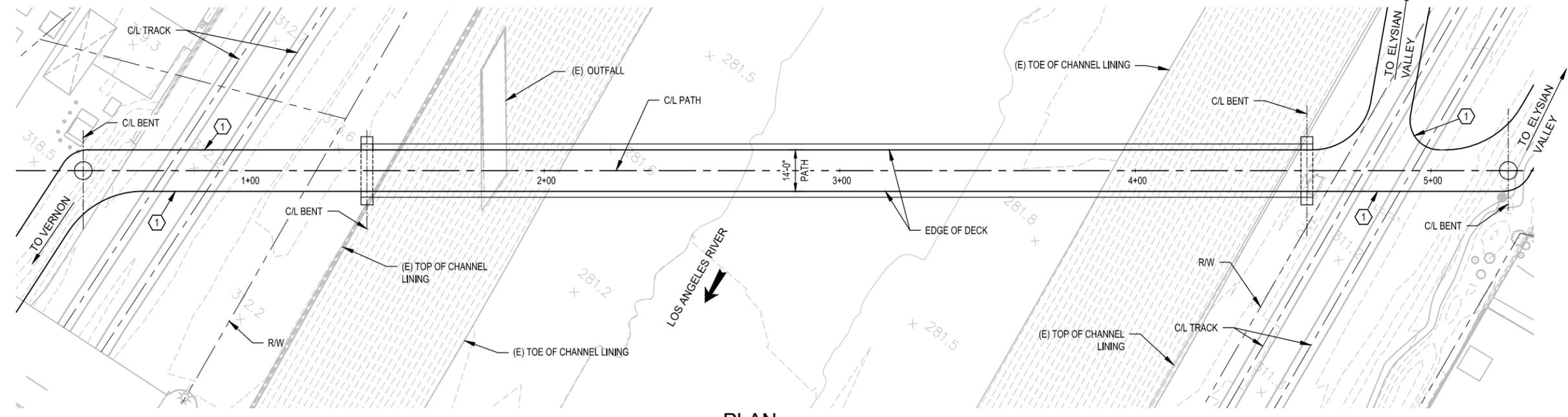
- LEGEND:**
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑩ PIER WALL
 - ⑰ PILE CAP
 - ⑳ STEEL TRUSS
 - ㉔ LIGHTWEIGHT DECK



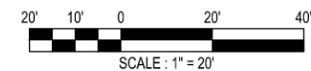
TYPICAL SECTION MIDSPAN
1" = 10'



TYPICAL SECTION AT BENT
1" = 10'



PLAN
1" = 20'



SCALE: 1" = 20'

NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. LOOMIS

DRAWN BY
P. WALKER

CHECKED BY
M. COOPER

IN CHARGE
M. NEGRETE

DATE
6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

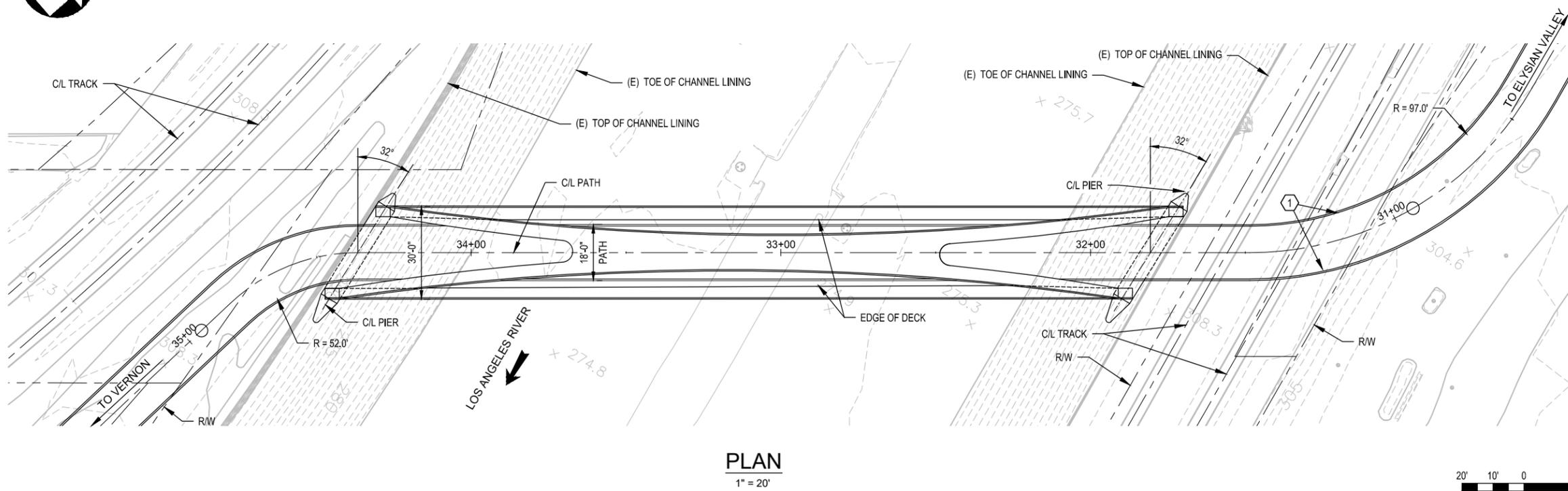
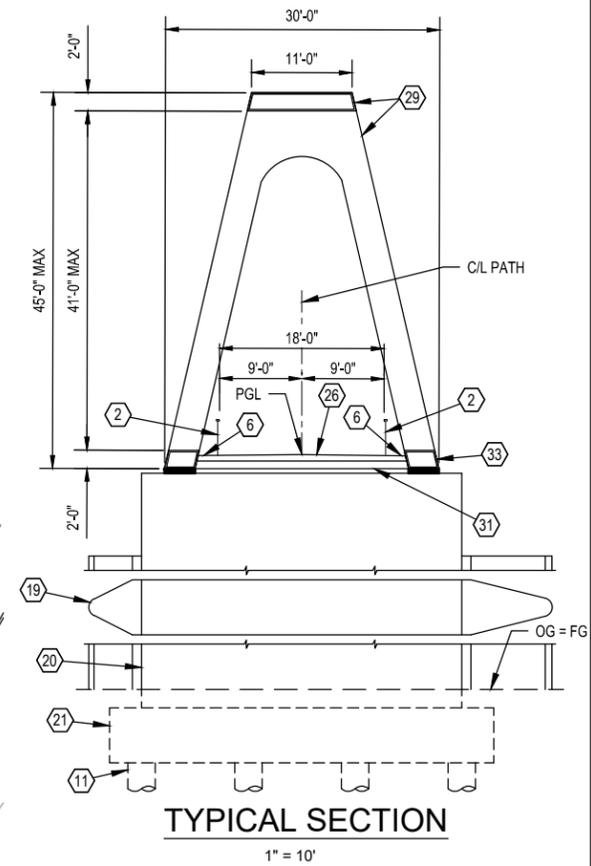
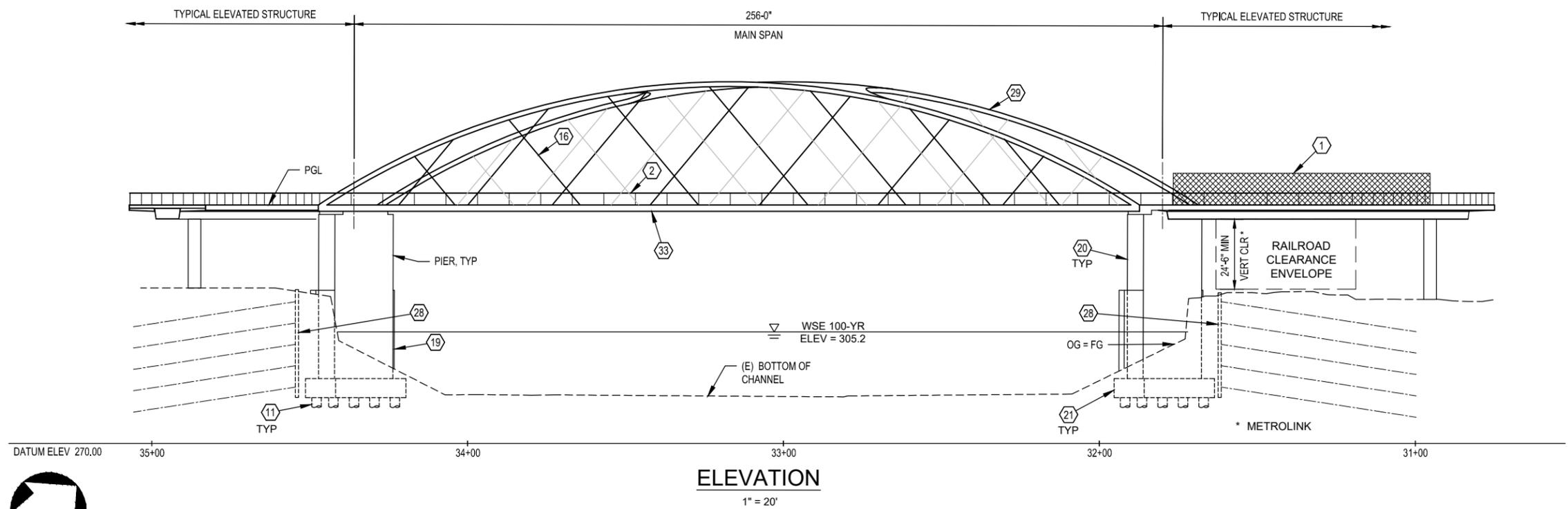
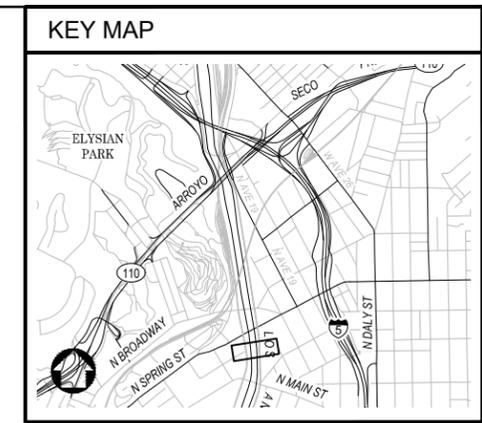
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

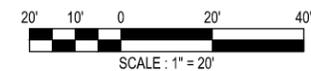
PATH AT NORTH BROADWAY OVER
LOS ANGELES RIVER ALTERNATIVE 3:
BELOW DECK STEEL TRUSS

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR03-ALT03-01	
SCALE AS SHOWN	
SHEET NO 13 OF 69	

Dwg filename: LAR-BR03-ALT03-01.DWG Last saved by: pwalker Pld date: 5/27/2021 1:34 PM Plot style table: HALF_BW.ctb



- LEGEND:**
- 1 10' FENCE
 - 2 48-INCH RAILING
 - 6 DECK DRAIN
 - 11 CIDH CONCRETE PILE GROUP
 - 16 INCLINED HANGER CABLES
 - 19 PIER PROTECTION WALL
 - 20 PIER WALL
 - 21 PILE CAP
 - 26 REINFORCED CONCRETE DECK
 - 28 SHORING REQUIRED
 - 29 STEEL ARCH
 - 31 STEEL RIBS
 - 33 STEEL TIE GIRDER



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR04-ALT01-1.DWG Last saved by: pwalker Plo date: 6/15/2021 11:19 AM Plotstyle table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

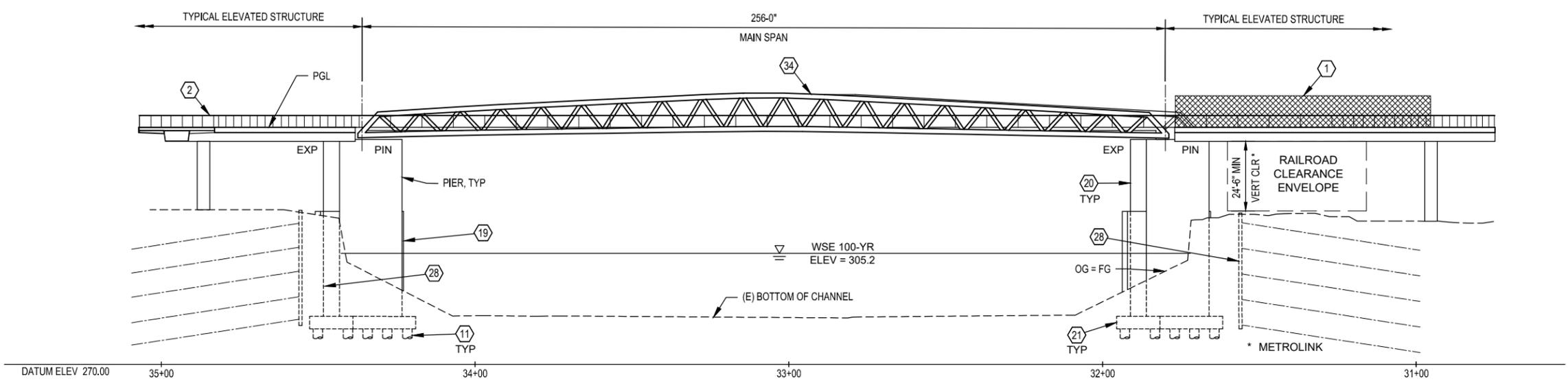
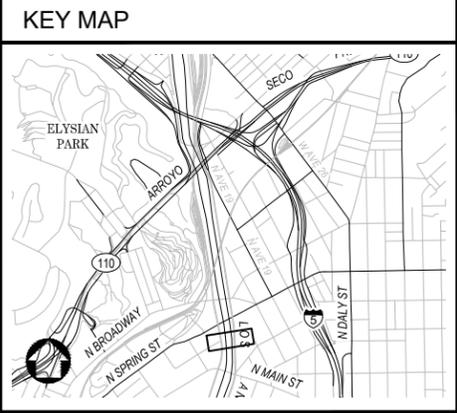
DESIGNED BY
J. LOOMIS
DRAWN BY
M. WEINERT
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



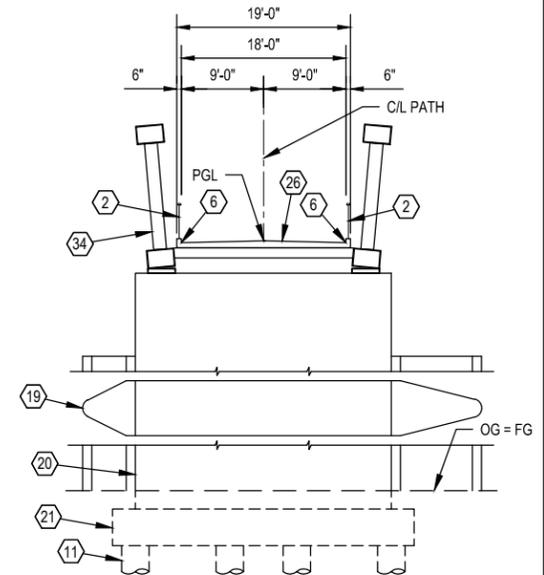
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT NORTH MAIN STREET OVER LOS ANGELES RIVER
ALTERNATIVE 1: NETWORK TIED ARCH

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR04-ALT01-01	
SCALE AS SHOWN	
SHEET NO 14 OF 69	

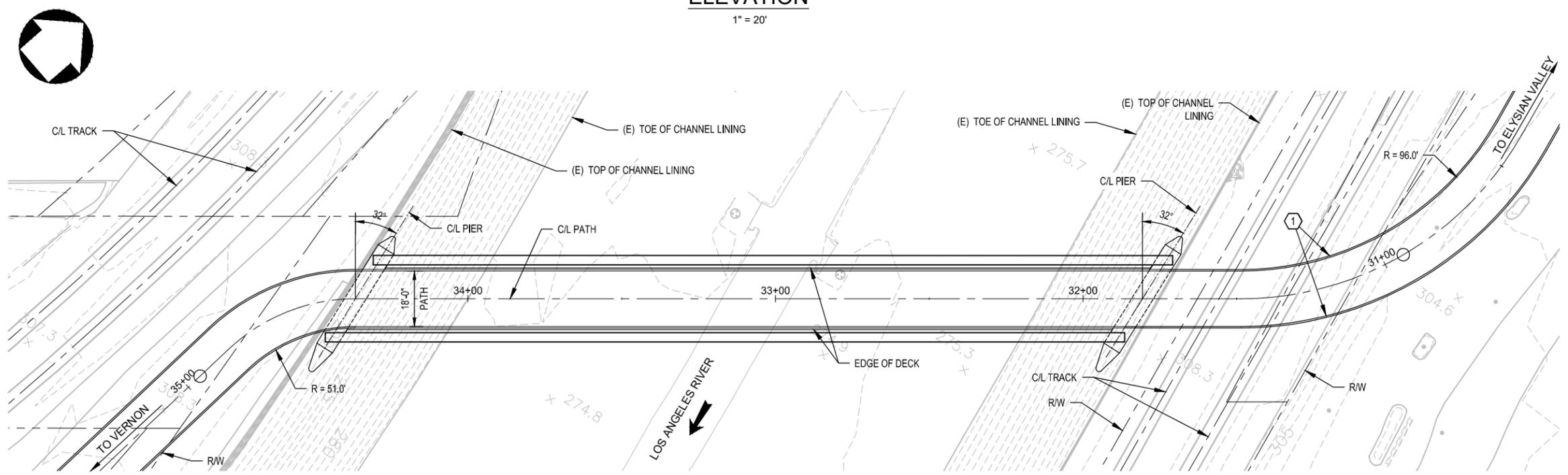


ELEVATION
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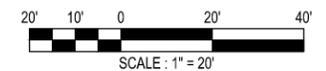


TYPICAL SECTION
1" = 10'

- LEGEND:
- 1 10' FENCE
 - 2 48-INCH RAILING
 - 6 DECK DRAIN
 - 11 CIDH CONCRETE PILE GROUP
 - 19 PIER PROTECTION WALL
 - 20 PIER WALL
 - 21 PILE CAP
 - 26 REINFORCED CONCRETE DECK
 - 28 SHORING REQUIRED
 - 34 STEEL TRUSS



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR04-ALT02-01.DWG Last saved by: pwalker Plo date: 6/15/2021 11:18 AM Plotstyle table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

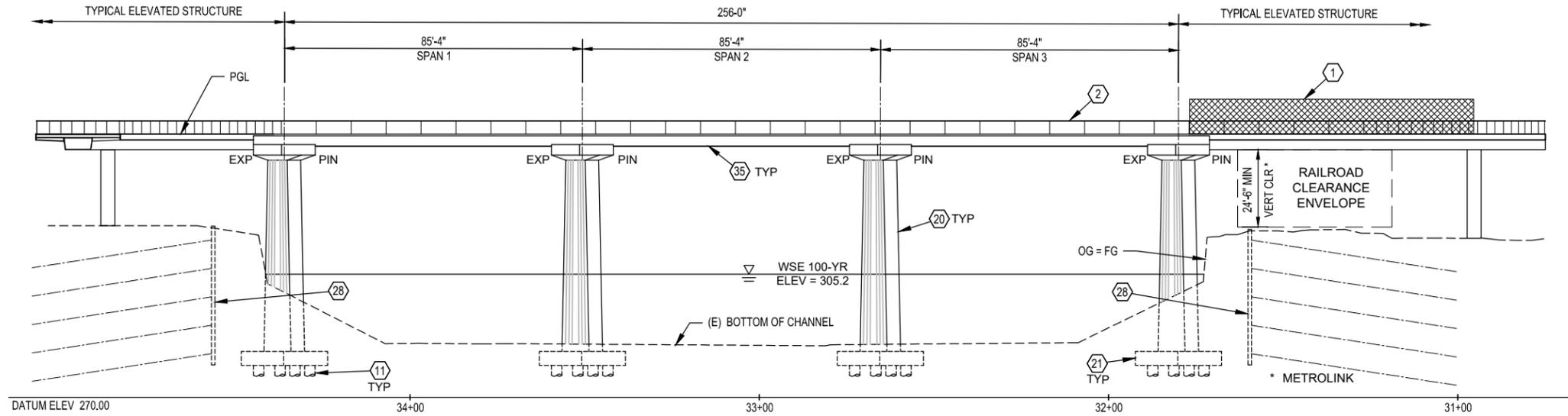
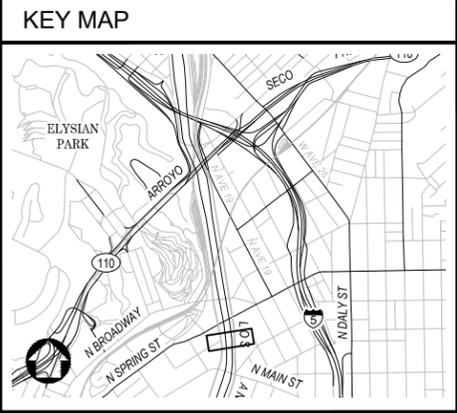
DESIGNED BY
J. LOOMIS
DRAWN BY
M. WEINERT
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



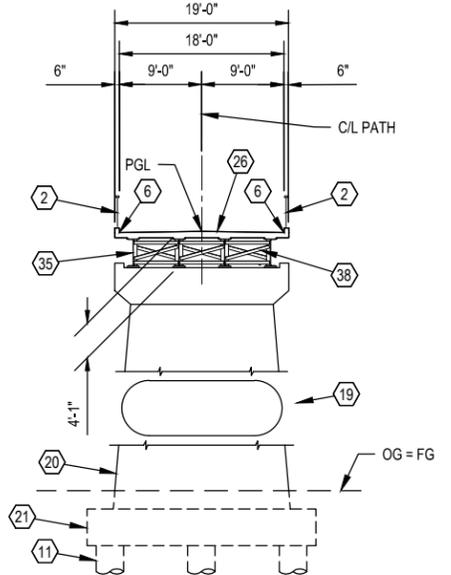
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT
PATH AT NORTH MAIN
STREET OVER LOS ANGELES RIVER
ALTERNATIVE 2: INCLINED STEEL TRUSS

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR04-ALT02-01	
SCALE AS SHOWN	
SHEET NO 15 OF 69	

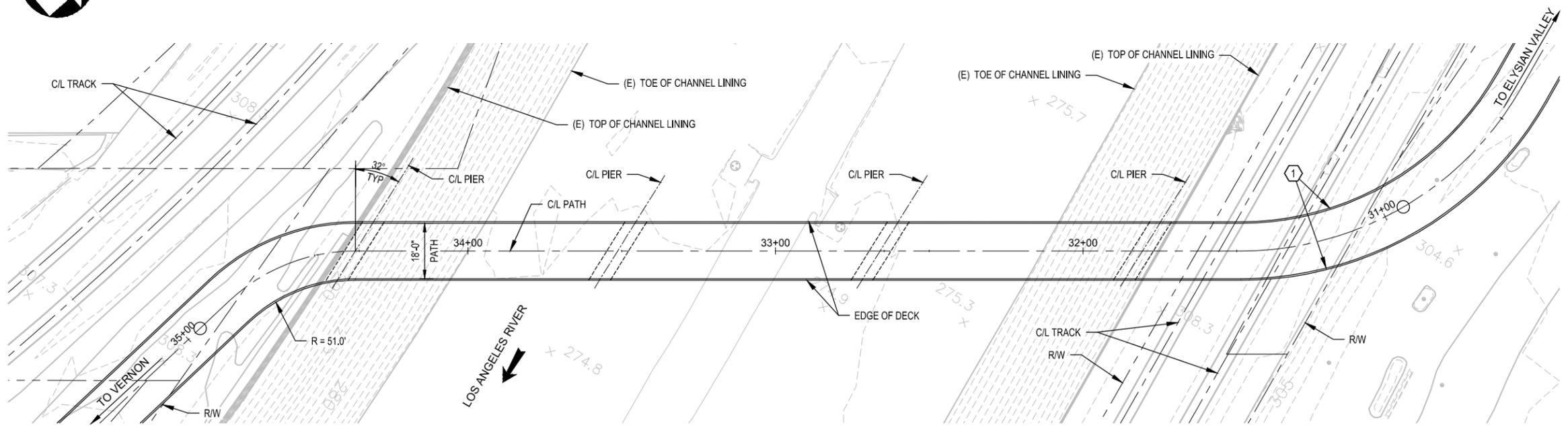


ELEVATION
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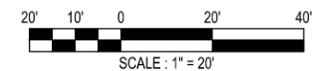


TYPICAL SECTION
1" = 10'

- LEGEND:
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑲ PIER PROTECTION WALL (NOT SHOWN)
 - ⑳ PIER WALL
 - ㉑ PILE CAP
 - ㉒ REINFORCED CONCRETE DECK
 - ㉓ SHORING REQUIRED
 - ㉔ STEEL WIDE FLANGE GIRDERS
 - ㉘ STEEL CROSSFRAME



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR04-ALT03-01.DWG Last saved by: pwalker Plo date: 6/15/2021 11:24 AM Plotstyle table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



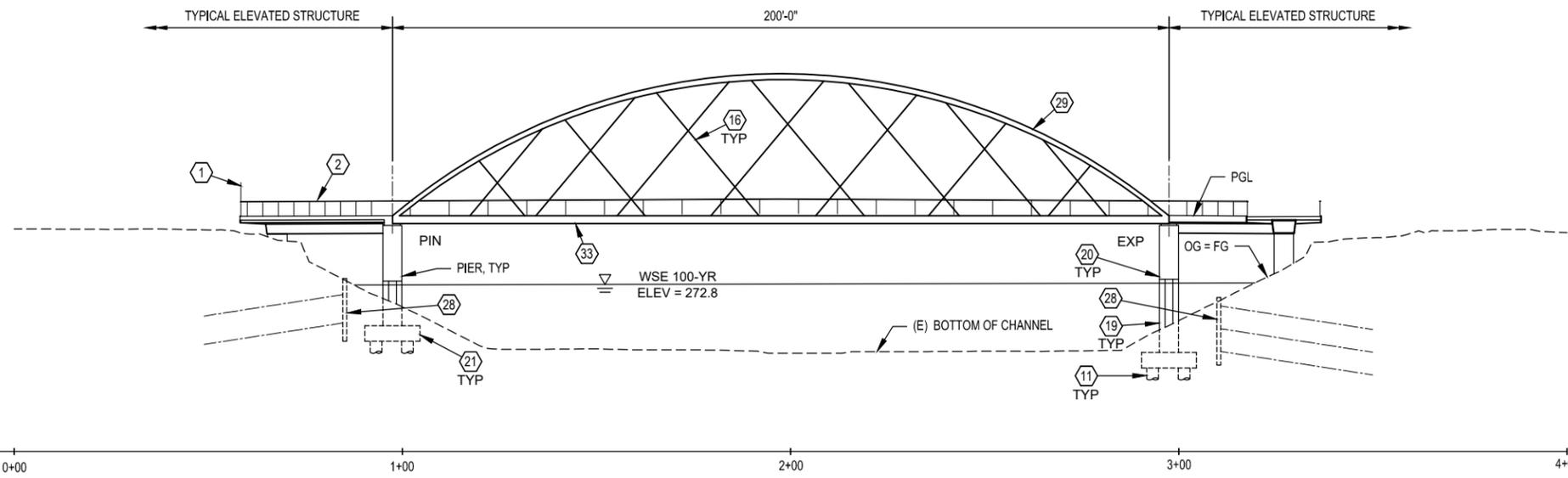
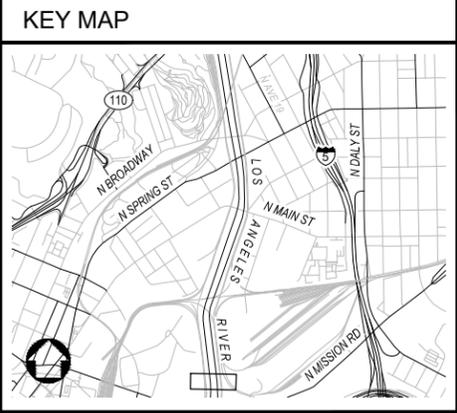
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

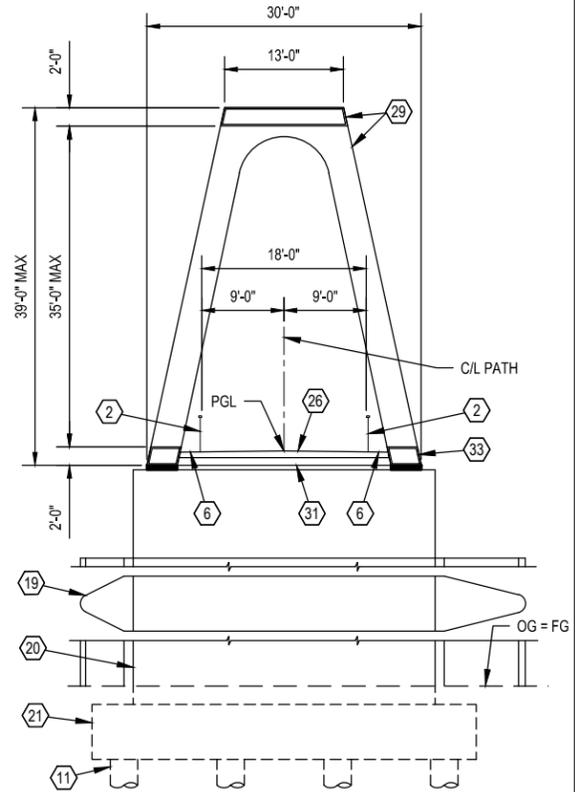
LOS ANGELES RIVER PATH
PROJECT

PATH AT NORTH MAIN
STREET OVER LOS ANGELES RIVER
ALTERNATIVE 3: STEEL WIDE FLANGE GIRDER

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR04-ALT03-01	
SCALE AS SHOWN	
SHEET NO 16 OF 69	

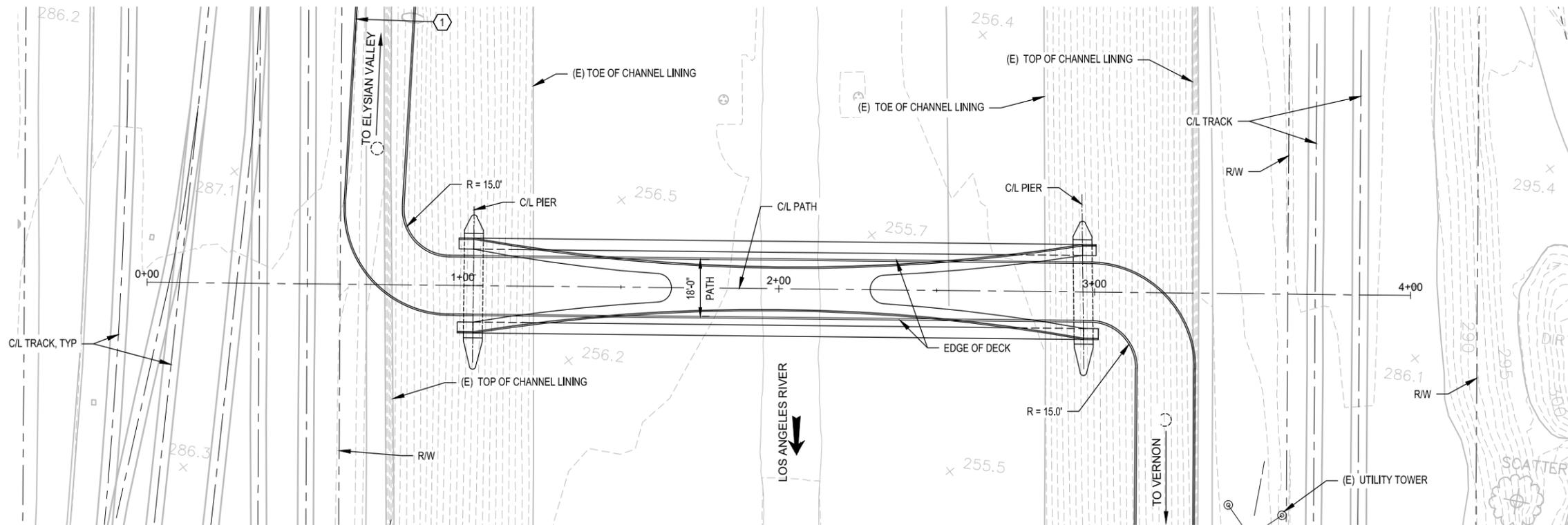


ELEVATION
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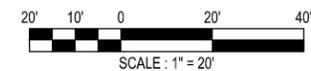


TYPICAL SECTION
1" = 10'

- LEGEND:
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑫ INCLINED HANGER CABLES
 - ⑬ PIER PROTECTION WALL
 - ⑭ PIER WALL
 - ⑮ PILE CAP
 - ⑯ REINFORCED CONCRETE DECK
 - ⑰ SHORING REQUIRED
 - ⑱ STEEL ARCH
 - ⑲ STEEL RIBS
 - ⑳ STEEL TIE GIRDER



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR05-ALT01-01.DWG Last saved by: pwalker Pld date: 6/15/2021 11:25 AM Pld style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

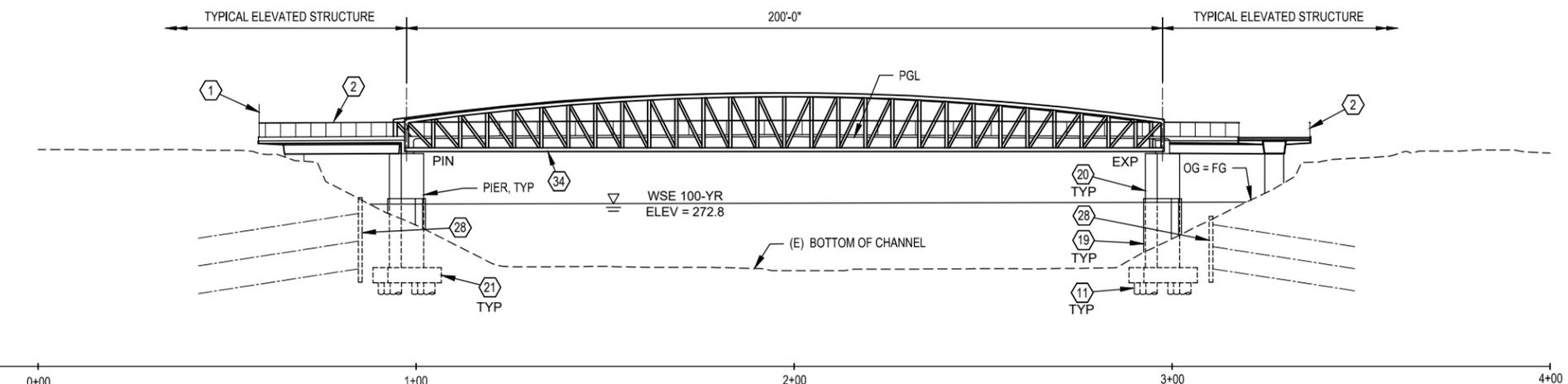
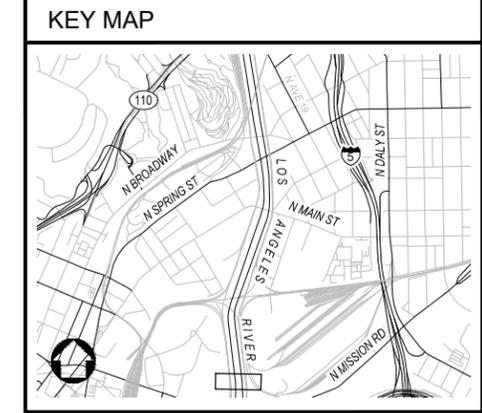
DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

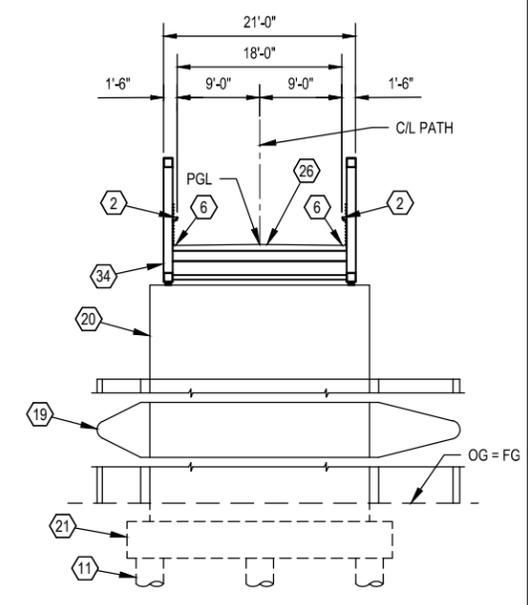
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT EAST CESAR CHAVEZ
(PROPOSED PROJECT) OVER LOS ANGELES RIVER
ALTERNATIVE 1: NETWORK TIED ARCH

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR05-ALT01-01	
SCALE AS SHOWN	
SHEET NO 17 OF 69	

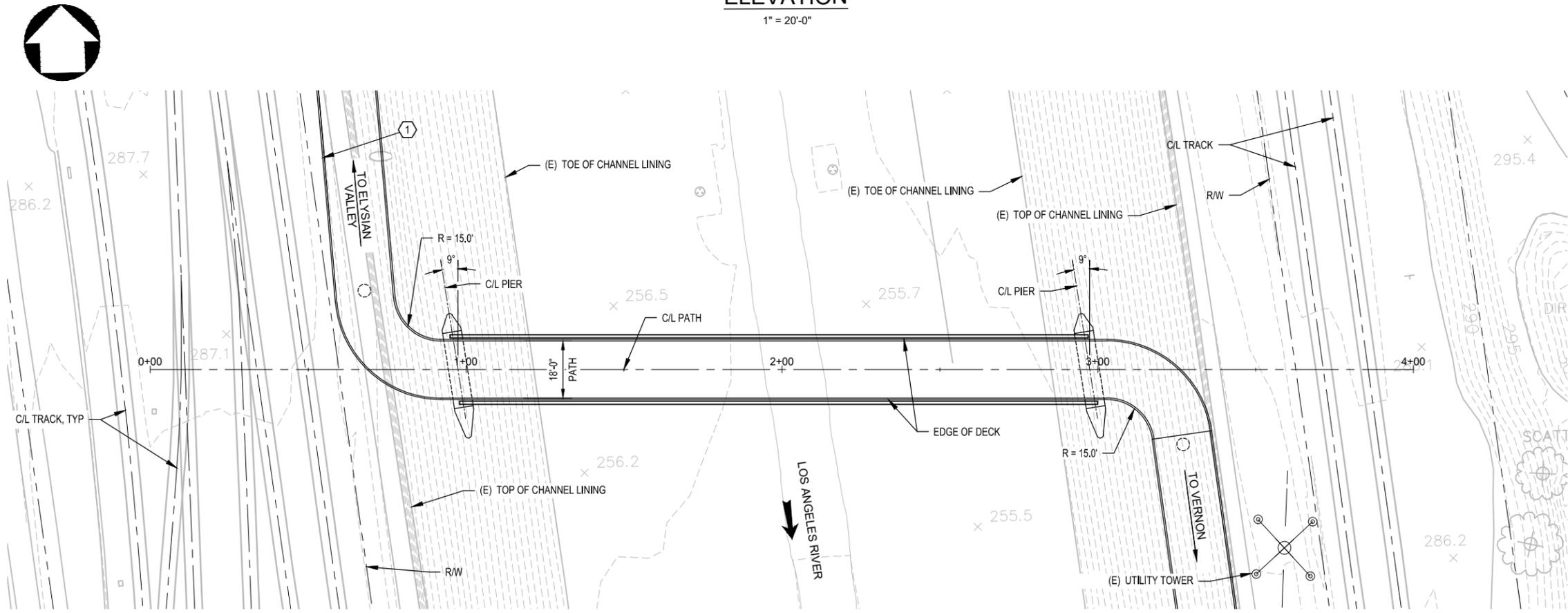


ELEVATION
1" = 20'-0"

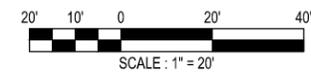


TYPICAL SECTION
1" = 10'

- LEGEND:**
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑰ PIER PROTECTION WALL
 - ⑳ PIER WALL
 - ㉑ PILE CAP
 - ㉒ REINFORCED CONCRETE DECK
 - ㉘ SHORING REQUIRED
 - ㉜ STEEL TRUSS



PLAN
1" = 20'-0"



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR05-ALT02-01.DWG Last saved by: pwalker Pld date: 6/15/2021 11:33 AM Plotstyle table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

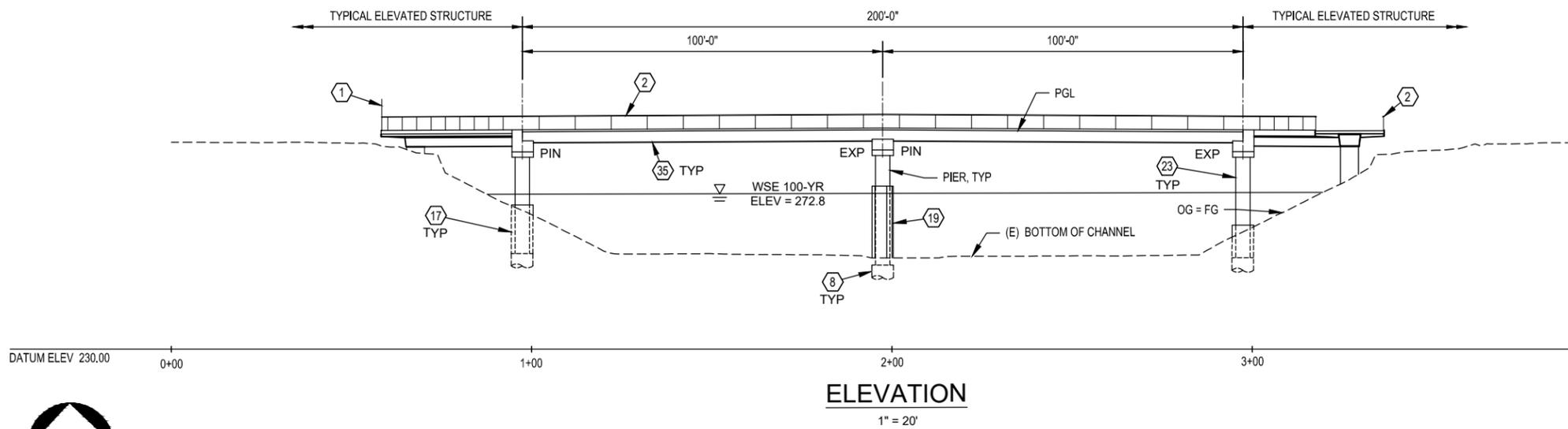
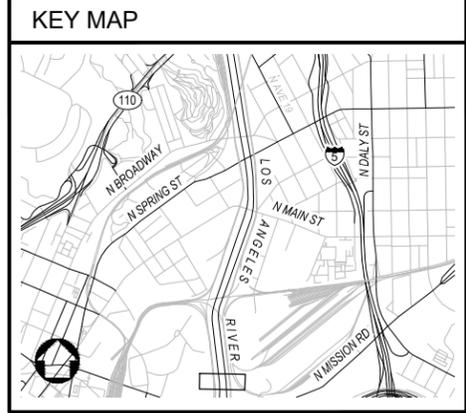
LOS ANGELES RIVER PATH
PROJECT

**PATH AT EAST CESAR CHAVEZ
(PROPOSED PROJECT) OVER LOS ANGELES RIVER
ALTERNATIVE 2: STEEL TRUSS**

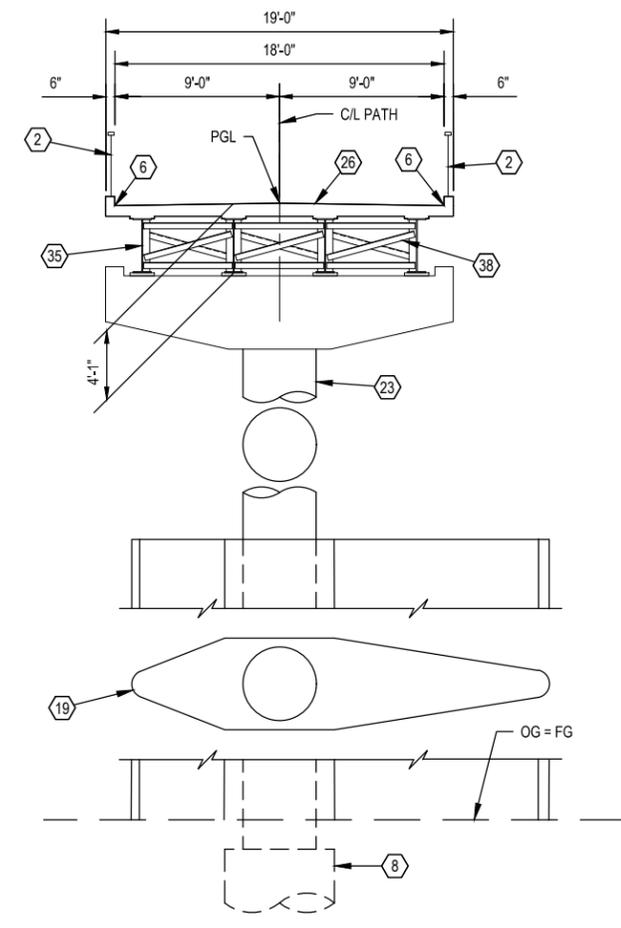
CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR05-ALT02-01	
SCALE AS SHOWN	
SHEET NO 18 OF 69	

LEGEND:

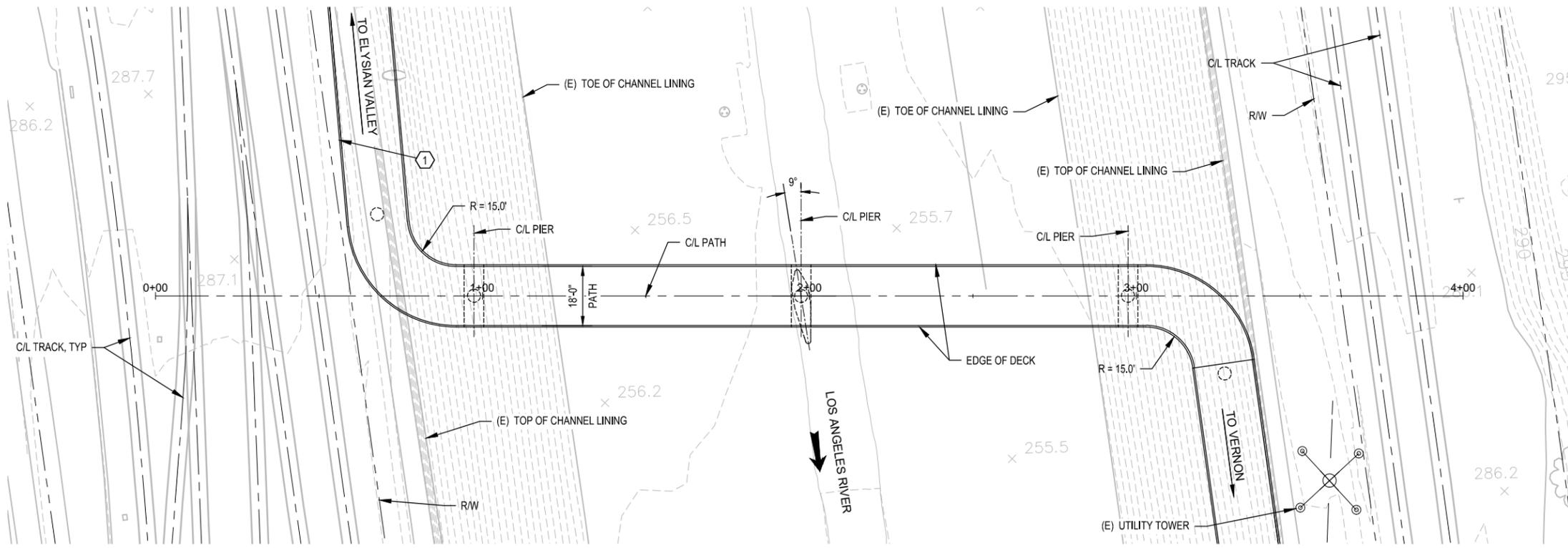
- ① 10' FENCE
- ② 48-INCH RAILING
- ⑥ DECK DRAIN
- ⑧ CIDH CONCRETE PILE (6' DIA)
- ⑬ ISOLATION CASING
- ⑰ PIER PROTECTION WALL
- ⑲ REINFORCED CONCRETE COLUMN (4' DIA)
- ⑳ REINFORCED CONCRETE DECK
- ㉓ STEEL WIDE FLANGE GIRDERS
- ㉖ STEEL CROSSFRAME



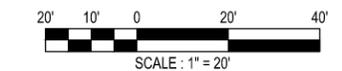
ELEVATION
1" = 20'



TYPICAL SECTION
1" = 5'



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR05-ALT03-01.DWG Last saved by: pwalker Proj date: 6/15/2021 11:37 AM Plot style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



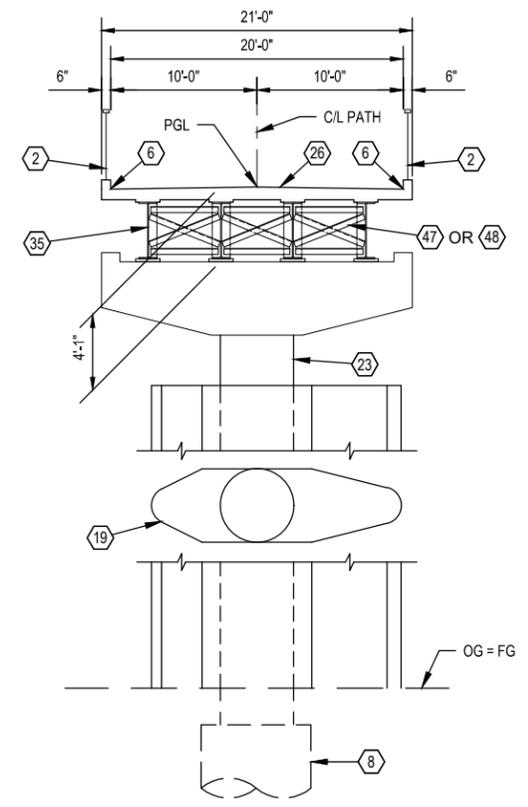
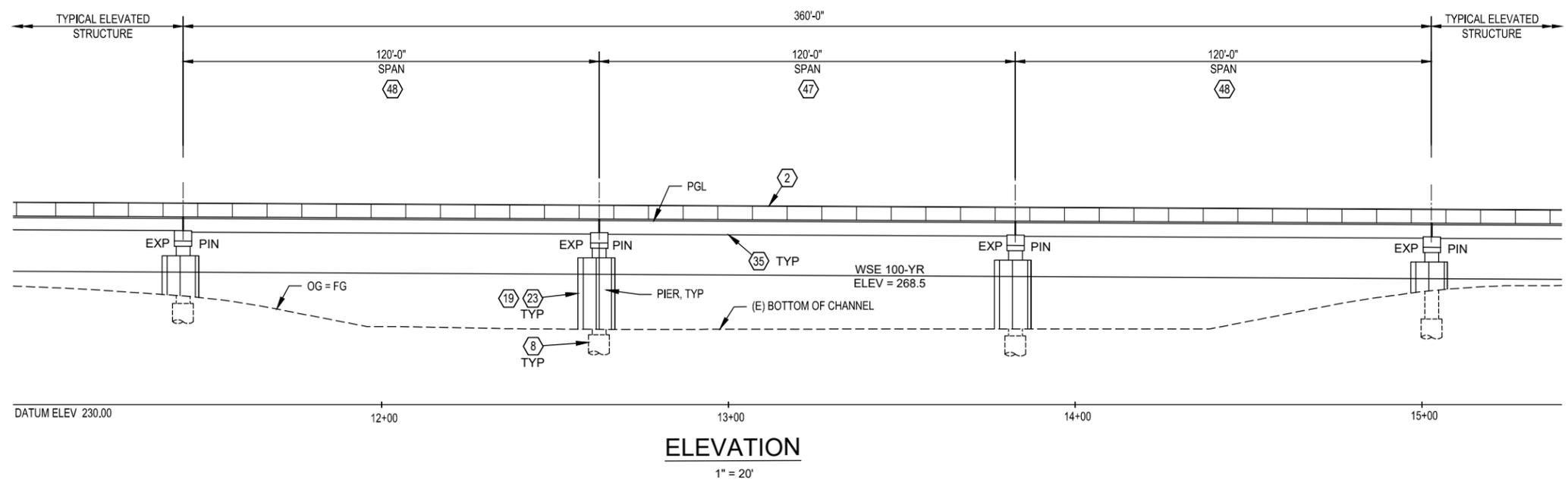
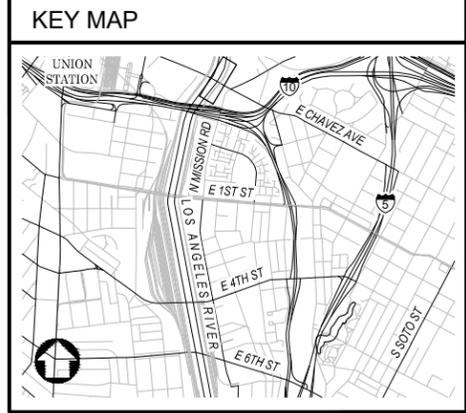
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

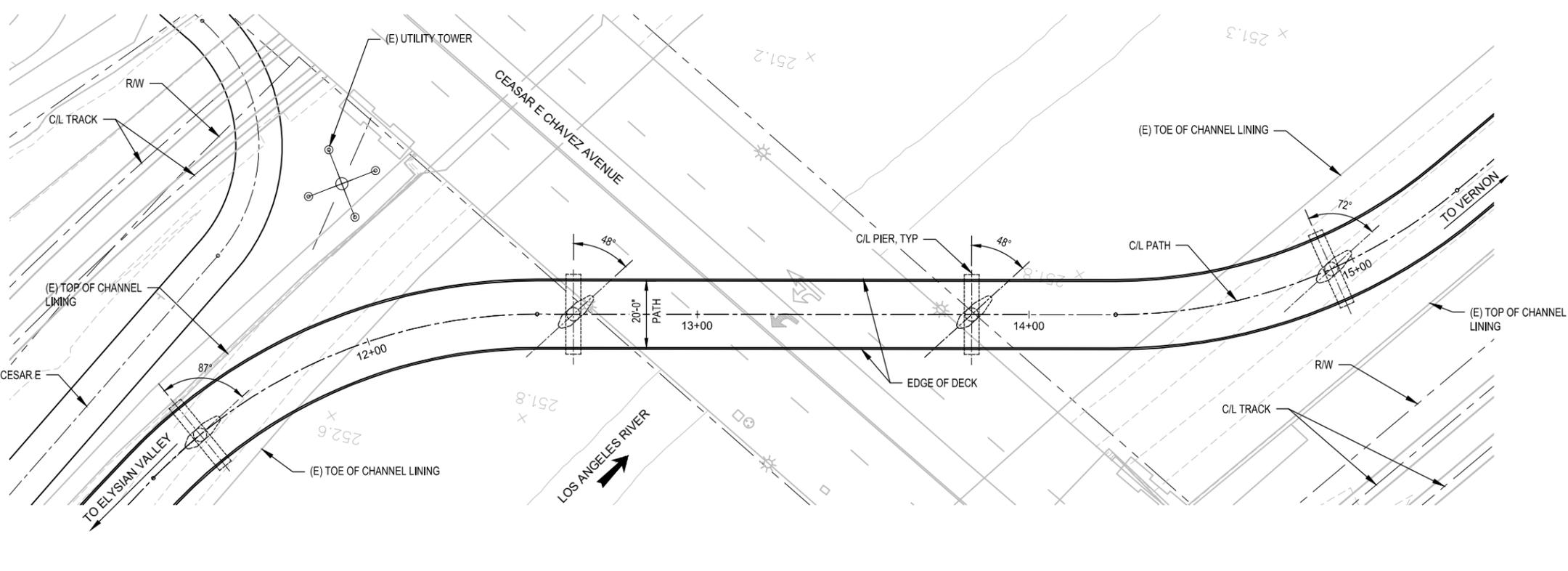
PATH AT EAST CESAR CHAVEZ
(PROPOSED PROJECT) OVER LOS ANGELES RIVER
ALTERNATIVE 3: STEEL WIDE FLANGE GIRDER

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR05-ALT03-01	
SCALE AS SHOWN	
SHEET NO 19 OF 69	

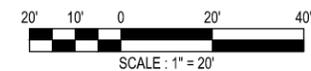


TYPICAL SECTION
1" = 5'

- LEGEND:
- 2 48-INCH RAILING
 - 6 DECK DRAIN
 - 8 CIDH CONCRETE PILE
 - 19 PIER PROTECTION WALL
 - 23 REINFORCED CONCRETE COLUMN (4' DIA)
 - 26 REINFORCED CONCRETE DECK
 - 38 STEEL CROSS FRAME
 - 47 STRAIGHT STEEL WIDE FLANGE GIRDER
 - 48 CURVED STEEL WIDE FLANGE GIRDER



PLAN
1" = 20'



NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. LOOMIS
DRAWN BY
N. MORALES
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

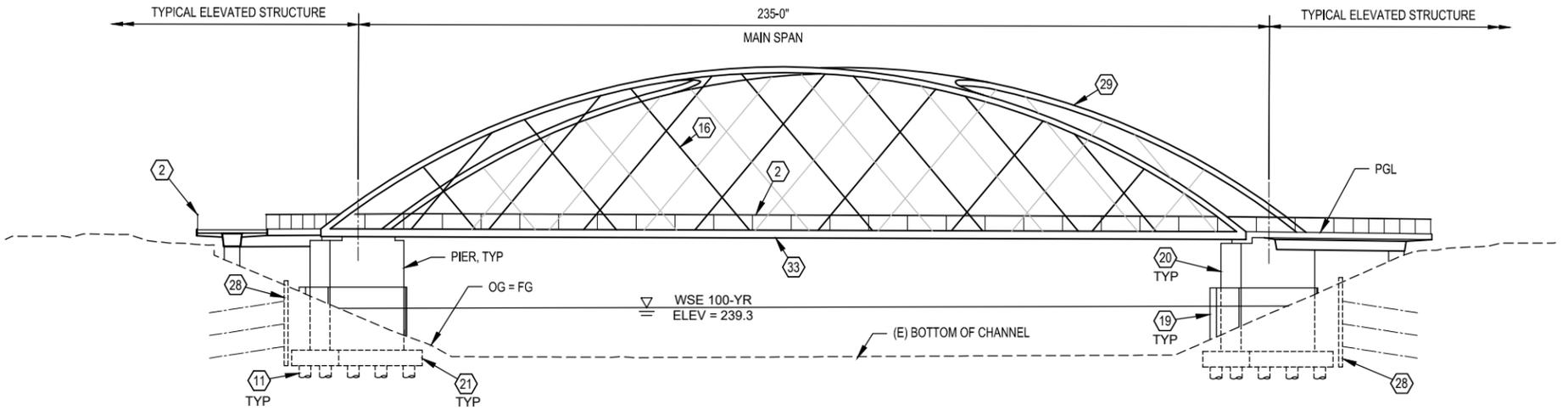
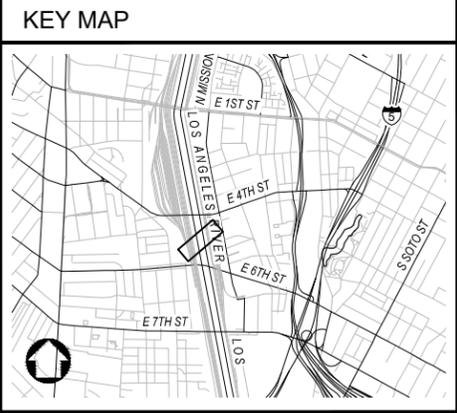
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

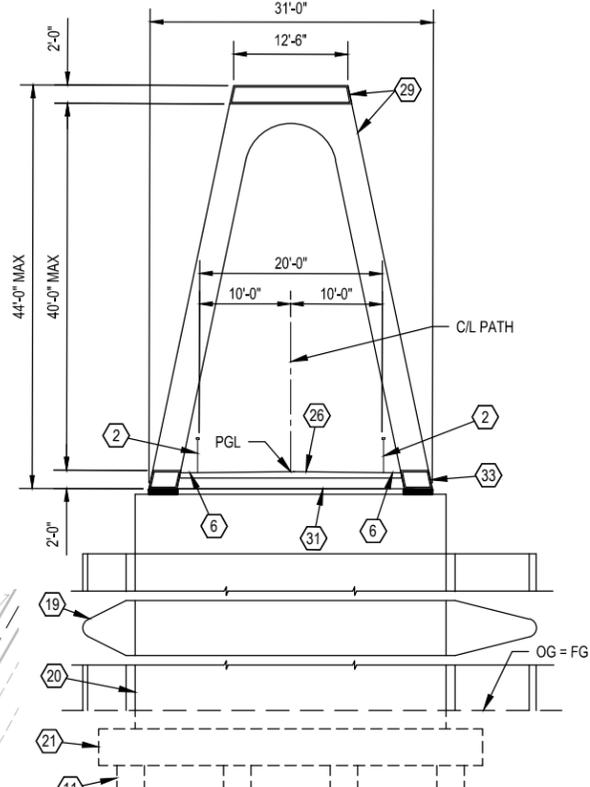
PATH AT CESAR CHAVEZ AVE
(OPTION 1) OVER LOS ANGELES RIVER
ALTERNATIVE 1: STEEL WIDE FLANGE GIRDER

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR06-ALT01-01	
SCALE AS SHOWN	
SHEET NO 20 OF 69	

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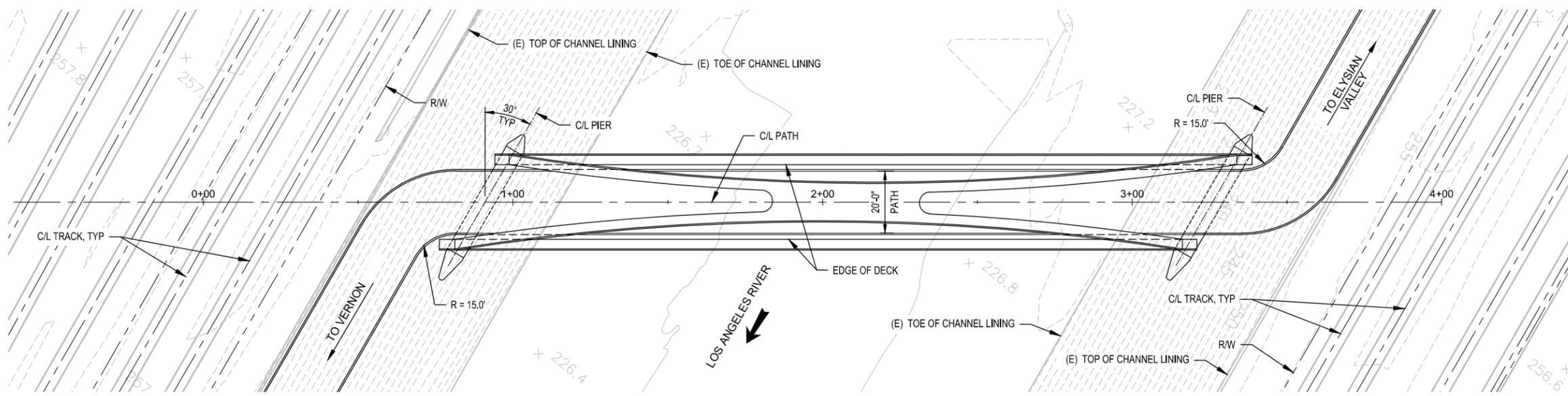


ELEVATION
1" = 20'

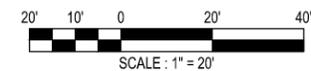


TYPICAL SECTION
1" = 10'

- LEGEND:**
- (2) 48-INCH RAILING
 - (6) DECK DRAIN
 - (11) CIDH CONCRETE PILE GROUP
 - (16) INCLINED HANGER CABLES
 - (19) PIER PROTECTION WALL
 - (20) PIER WALL
 - (21) PILE CAP
 - (26) REINFORCED CONCRETE DECK
 - (28) SHORING REQUIRED
 - (29) STEEL ARCH
 - (31) STEEL RIBS
 - (33) STEEL TIE GIRDER



PLAN
1" = 20'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR07-ALT01-01.DWG Plot date: 5/28/2021 10:18 AM Plot style table: HALF_BW.ctb

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

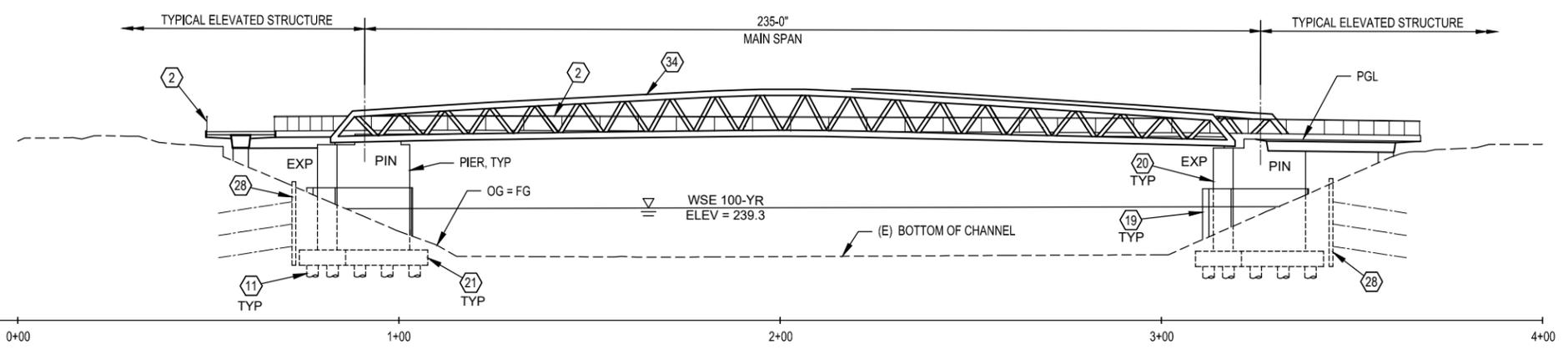
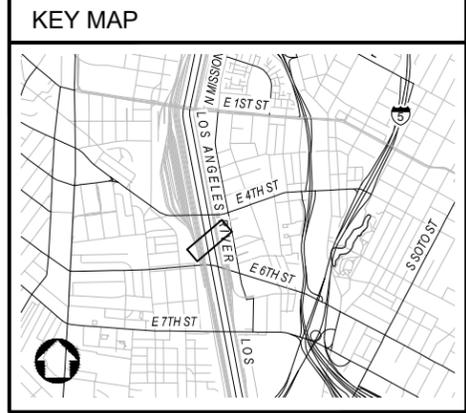
DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

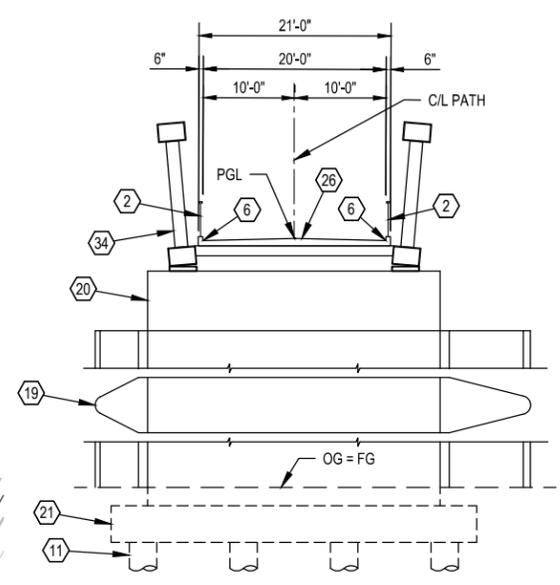
JACOBS ALTA
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT 4TH STREET OVER LOS ANGELES RIVER
ALTERNATIVE 1: NETWORK TIED ARCH

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR07-ALT01-01	
SCALE AS SHOWN	
SHEET NO 21 OF 69	

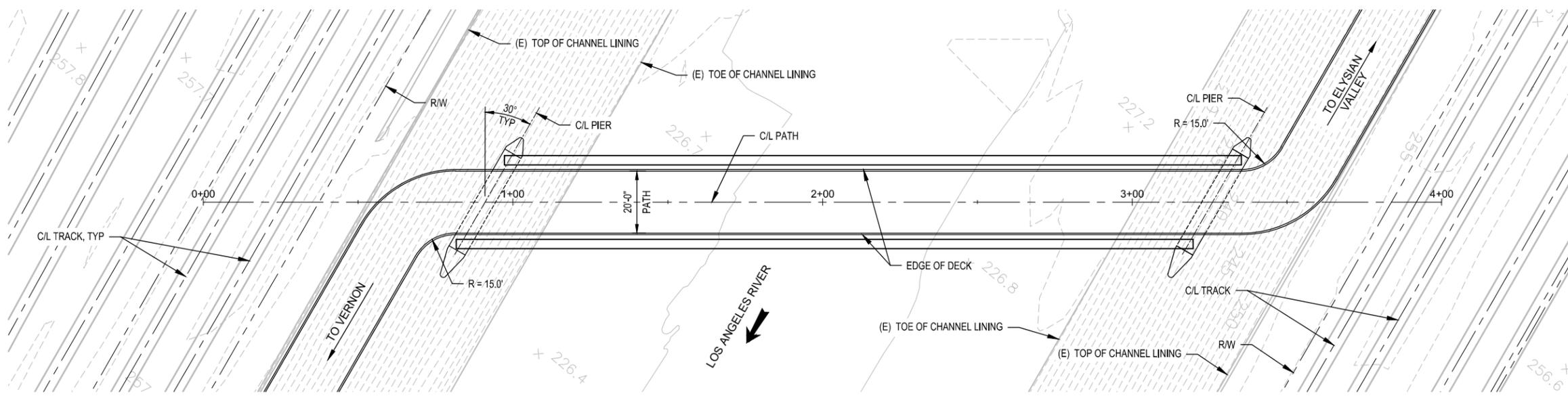


ELEVATION
1" = 20'

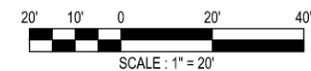


TYPICAL SECTION
1" = 10'

- LEGEND:**
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑱ PIER PROTECTION WALL
 - ⑳ PIER WALL
 - ㉑ PILE CAP
 - ㉒ REINFORCED CONCRETE DECK
 - ㉔ SHORING REQUIRED
 - ㉖ STEEL TRUSS



PLAN
1" = 20'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR07-ALT02-01.DWG Last saved by: pwalker Plo date: 6/15/2021 9:36 AM Plostyle table: HALF_BW.CTB

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



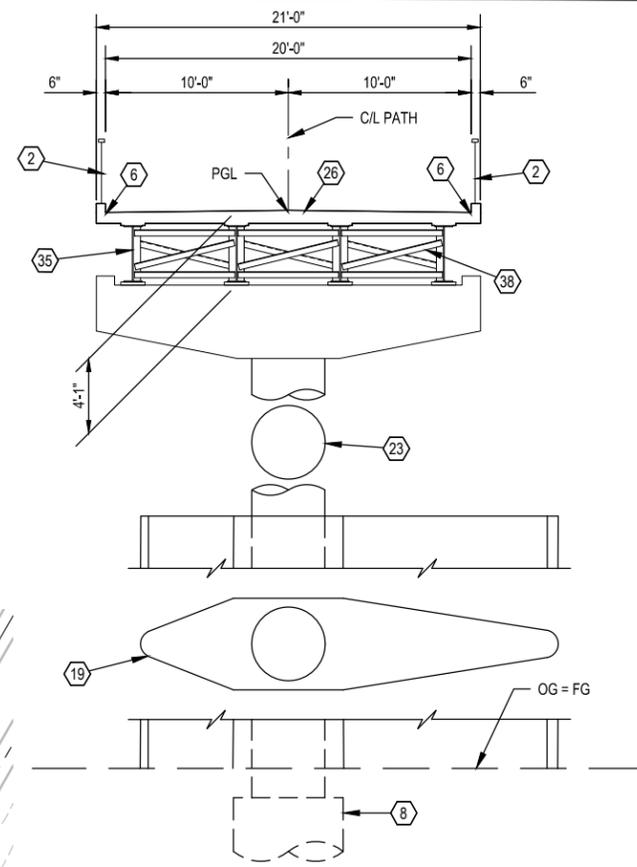
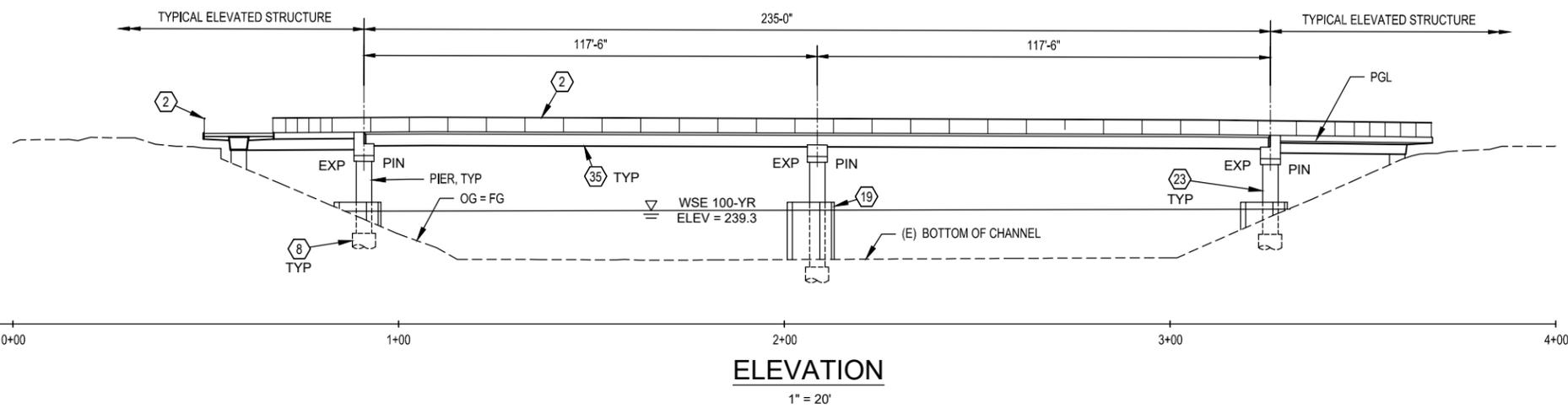
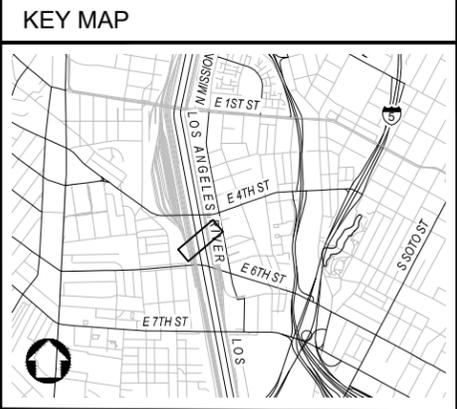
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

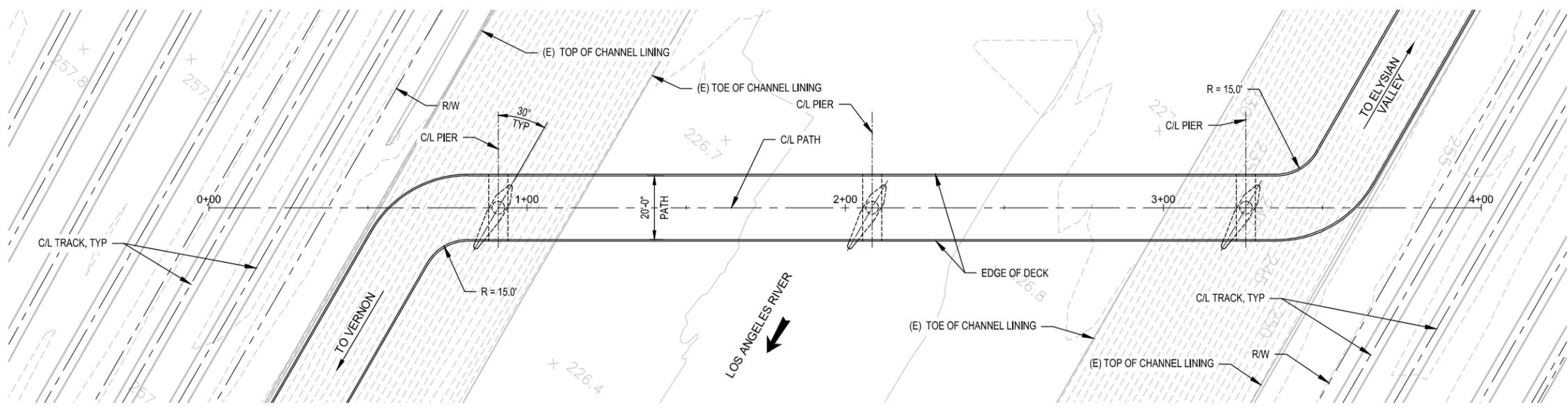
PATH AT 4TH STREET
OVER LOS ANGELES RIVER
ALTERNATIVE 2: INCLINED STEEL TRUSS

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR07-ALT02-01	
SCALE AS SHOWN	
SHEET NO 22 OF 69	

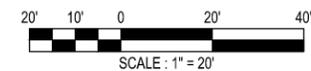


TYPICAL SECTION
1" = 5'

- LEGEND:**
- (2) 48-INCH RAILING
 - (6) DECK DRAIN
 - (8) CIDH CONCRETE PILE (6' DIA)
 - (19) PIER PROTECTION WALL
 - (23) REINFORCED CONCRETE COLUMN (4' DIA)
 - (26) REINFORCED CONCRETE DECK
 - (35) STEEL WIDE FLANGE GIRDERS
 - (38) STEEL CROSSFRAME



PLAN
1" = 20'

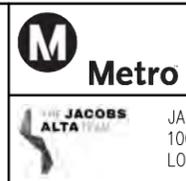


NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
ALTA TEAM
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

PATH AT 4TH STREET
OVER LOS ANGELES RIVER
ALTERNATIVE 3: STEEL WIDE FLANGE GIRDER

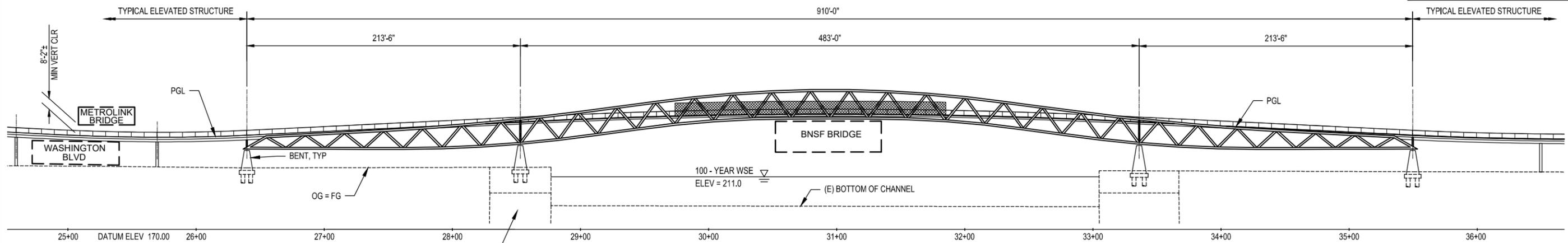
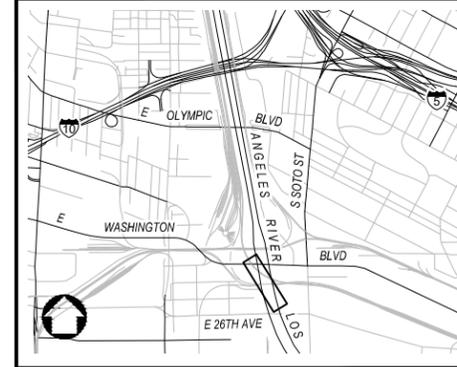
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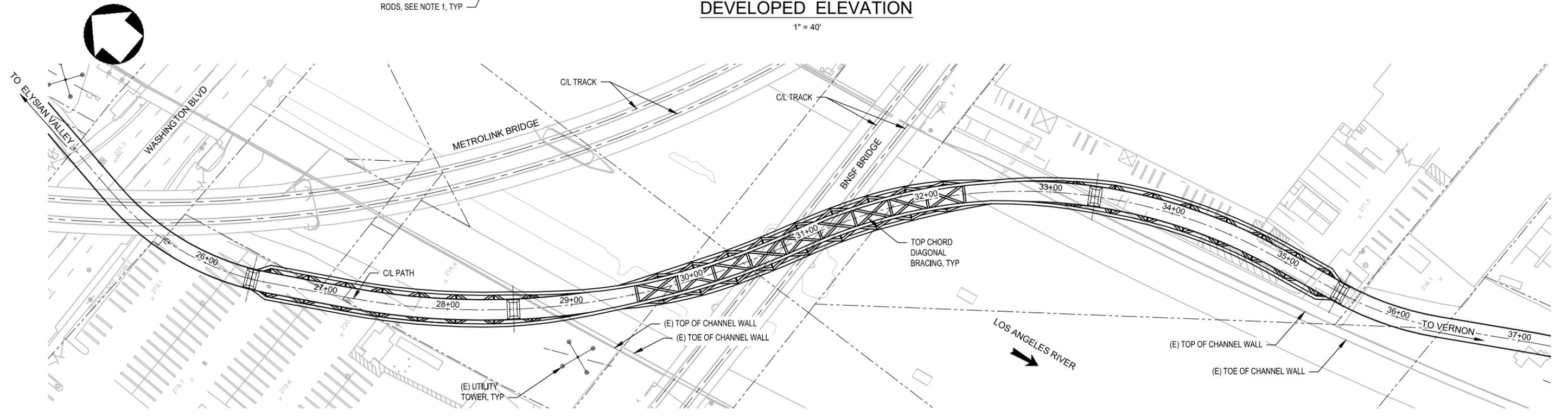
NOTES:

- CONSTRUCTION OF PILES IN THIS ZONE MAY RESULT IN INTERFERENCE WITH EXISTING BULKHEAD WALL TIE-RODS. IF THIS OCCURS, NEW TIE-RODS, WALERS, AND DEAD-MAN ANCHORS MAY BE NEEDED.

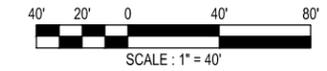
KEY MAP



DEVELOPED ELEVATION
1" = 40'



PLAN
1" = 40'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. ALDRICH
DRAWN BY N. MORALES
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

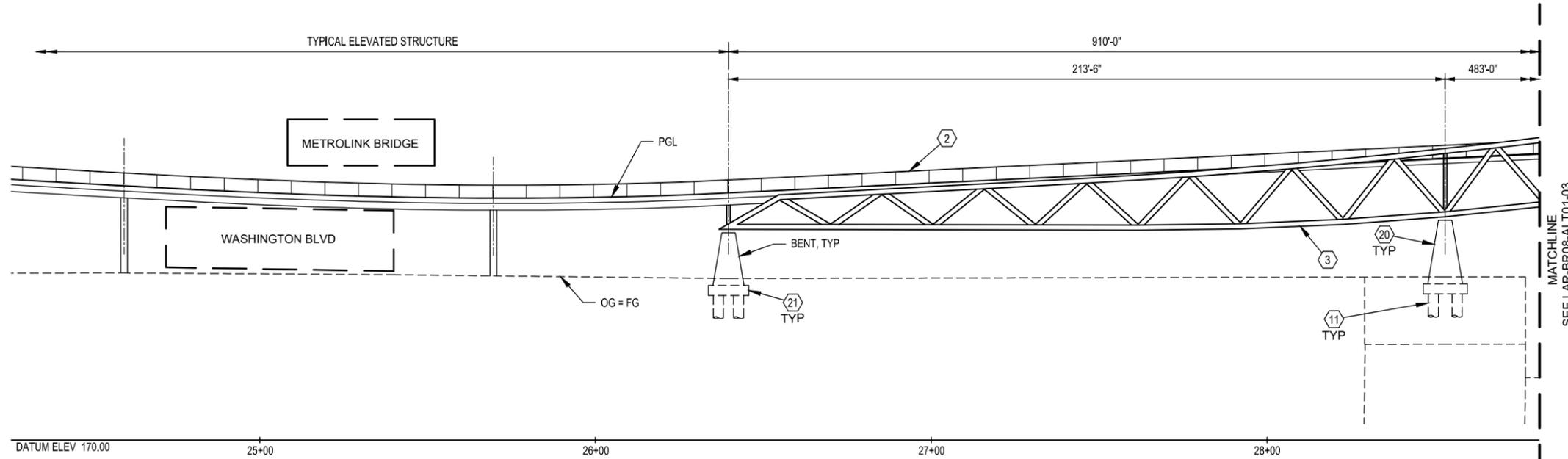
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT REDONDO JUNCTION OVER LOS ANGELES RIVER ALTERNATIVE 1:
STEEL TRUSS SUPERSTRUCTURE (1 OF 4)

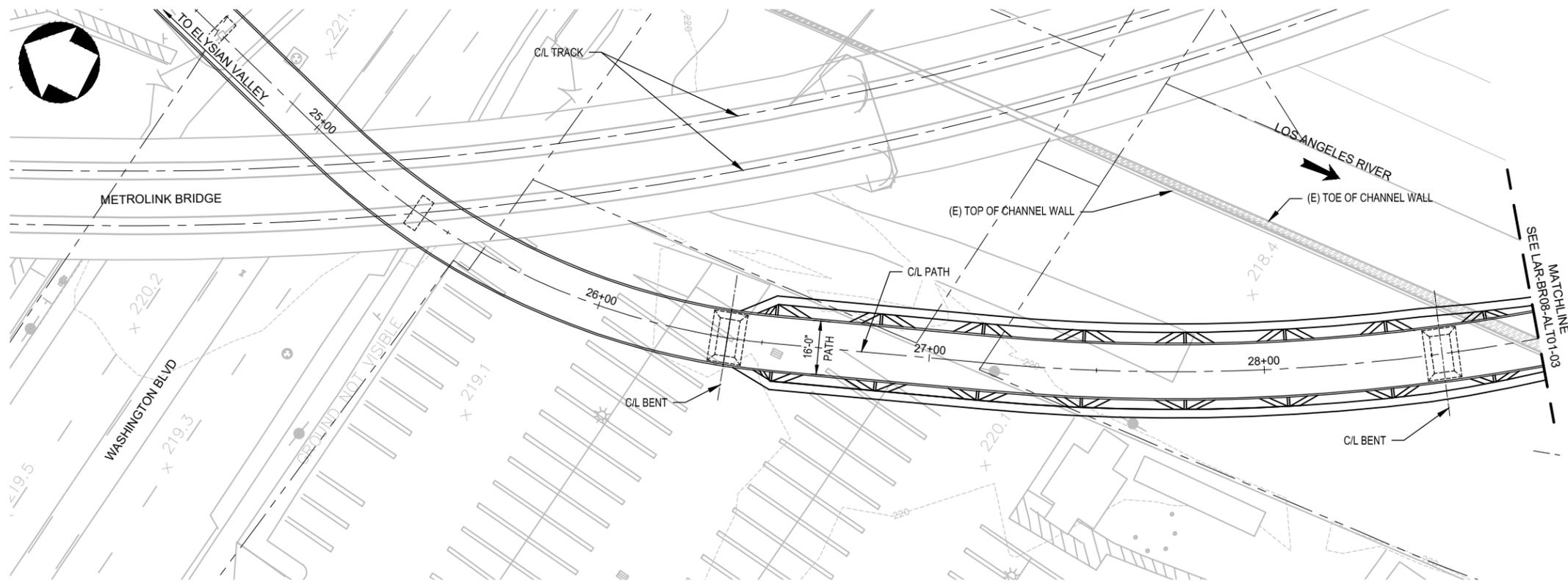
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DRAWING NO LAR-B08-ALT01-01	
SCALE AS SHOWN	
SHEET NO 24 OF 69	

Dwg filename: LAR-B08-ALT01-01.DWG Last saved by: pwalker Prio date: 5/28/2021 11:13 AM Plot style table: HALF_BW.ctb

NOTES:
 1. FOR TYPICAL SECTIONS, SEE LAR-BR08-ALT01-04.

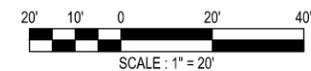


DEVELOPED ELEVATION
 1" = 20'



PLAN
 1" = 20'

- LEGEND:
- (2) 48-INCH RAILING
 - (3) BUILT-UP BOX TRUSS CHORD
 - (11) CIDH CONCRETE PILE GROUP
 - (20) PIER WALL
 - (21) PIER CAP



NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. ALDRICH

DRAWN BY
M. WEINERT

CHECKED BY
M. COOPER

IN CHARGE
M. NEGRETE

DATE
6.4.2021



LOS ANGELES COUNTY
 METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
 1000 WILSHIRE BLVD #2100
 LOS ANGELES, CA 90017

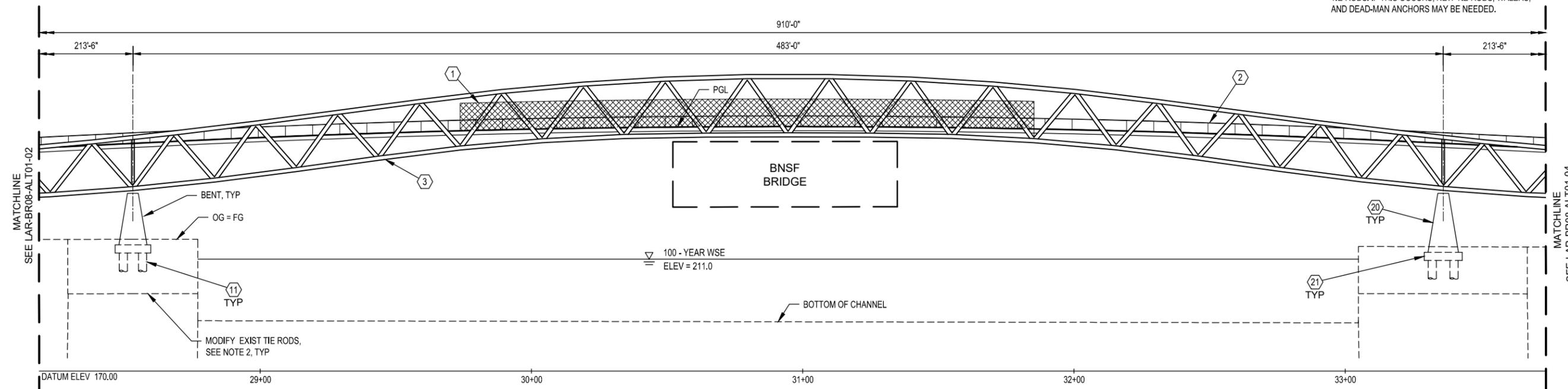
LOS ANGELES RIVER PATH
 PROJECT

PATH AT REDONDO JUNCTION OVER
 LOS ANGELES RIVER ALTERNATIVE 1:
 STEEL TRUSS SUPERSTRUCTURE (2 OF 4)

CONTRACT NO AE47795000	
DRAWING NO LAR-B08-ALT01-02	REV
SCALE AS SHOWN	
SHEET NO 25 OF 69	

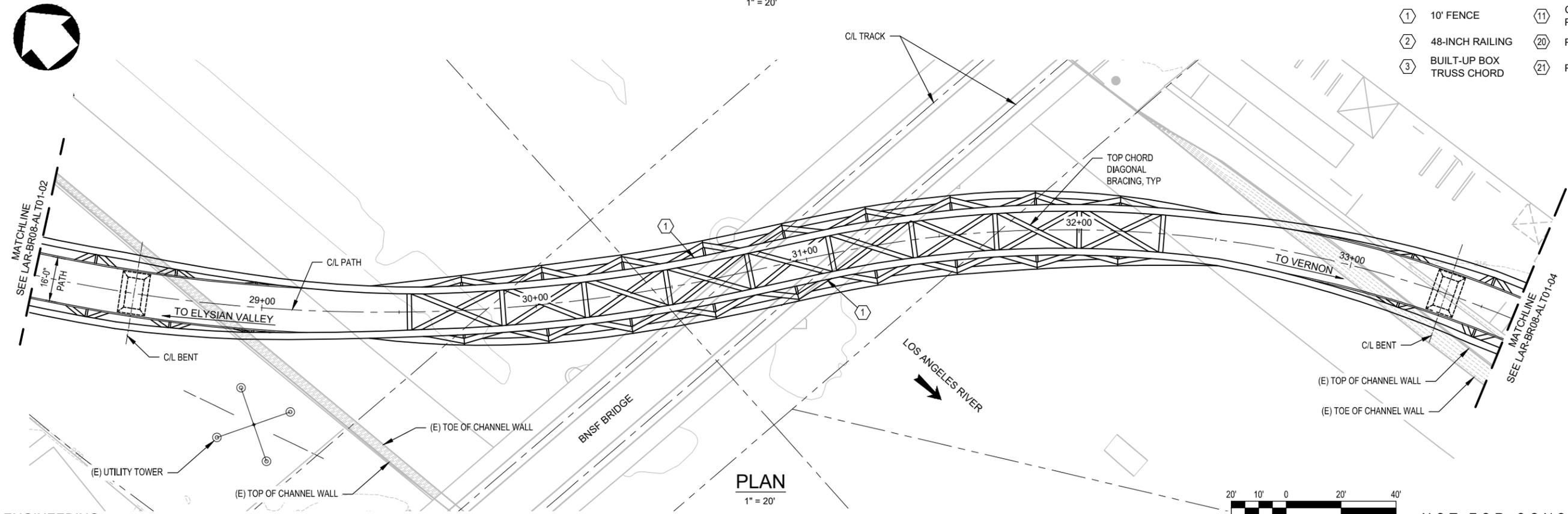
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- NOTES:
- FOR TYPICAL SECTIONS, SEE LAR-BR08-ALT01-04.
 - CONSTRUCTION OF PILES IN THIS ZONE MAY RESULT IN INTERFERENCE WITH EXISTING BULKHEAD WALL TIE-RODS. IF THIS OCCURS, NEW TIE-RODS, WALERS, AND DEAD-MAN ANCHORS MAY BE NEEDED.



DEVELOPED ELEVATION
1" = 20'

- LEGEND:
- (1) 10' FENCE
 - (2) 48-INCH RAILING
 - (3) BUILT-UP BOX TRUSS CHORD
 - (11) CIDH CONCRETE PILE GROUP
 - (20) PIER WALL
 - (21) PILE CAP



PLAN
1" = 20'

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR08-ALT01-03.DWG Plot date: 5/28/2021 11:45 AM Plot style table: HALF_BW.ctb

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. ALDRICH

DRAWN BY
M. WEINERT

CHECKED BY
M. COOPER

IN CHARGE
M. NEGRETE

DATE
6.4.2021

Metro

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

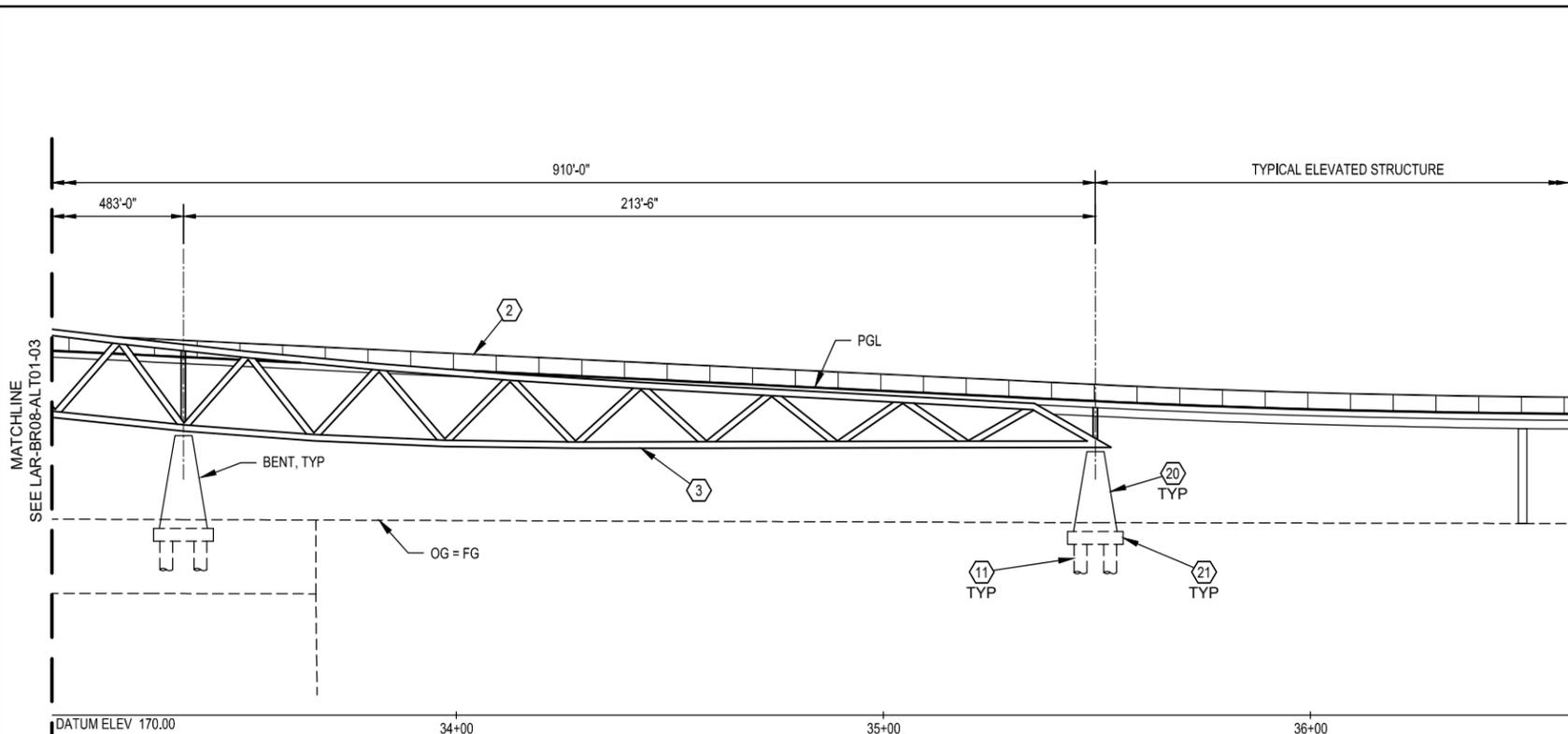
THE JACOBS ALTA TEAM

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

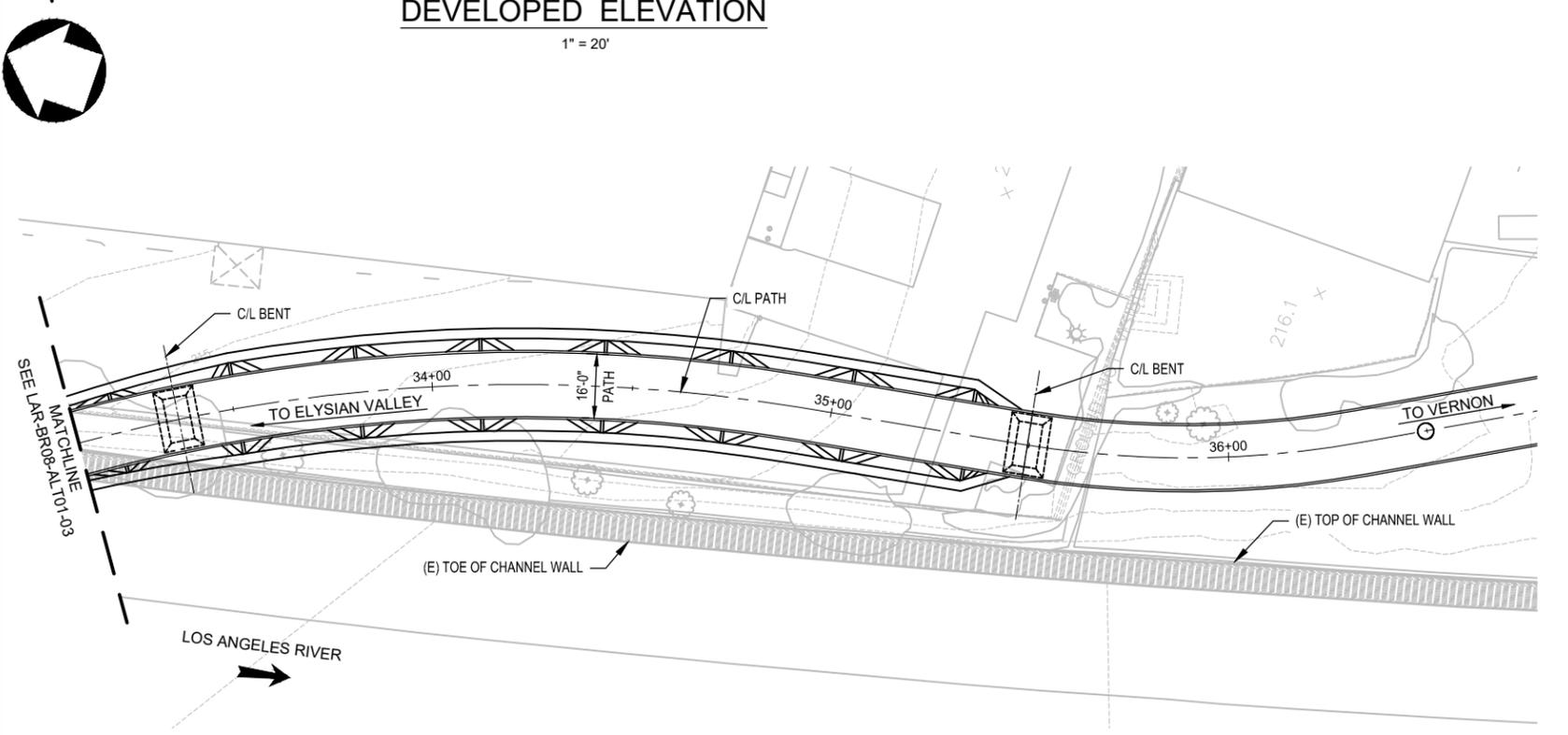
LOS ANGELES RIVER PATH PROJECT

PATH AT REDONDO JUNCTION OVER LOS ANGELES RIVER ALTERNATIVE 1: STEEL TRUSS SUPERSTRUCTURE (3 OF 4)

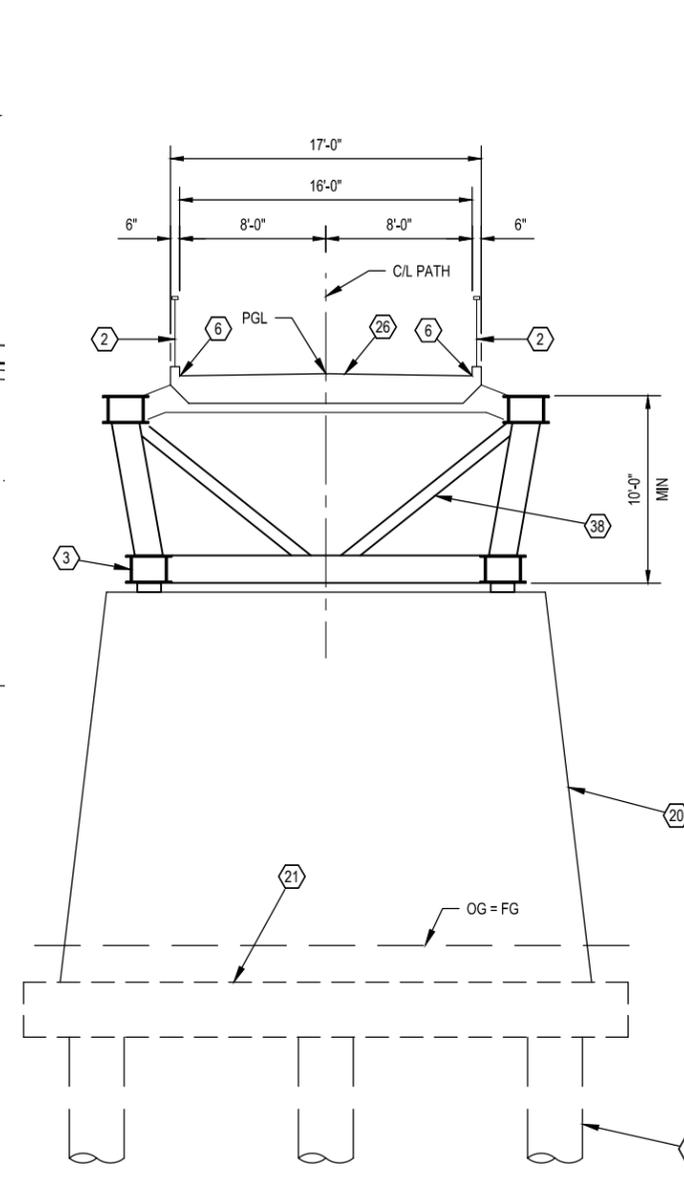
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SCALE AS SHOWN	
SHEET NO 26 OF 69	



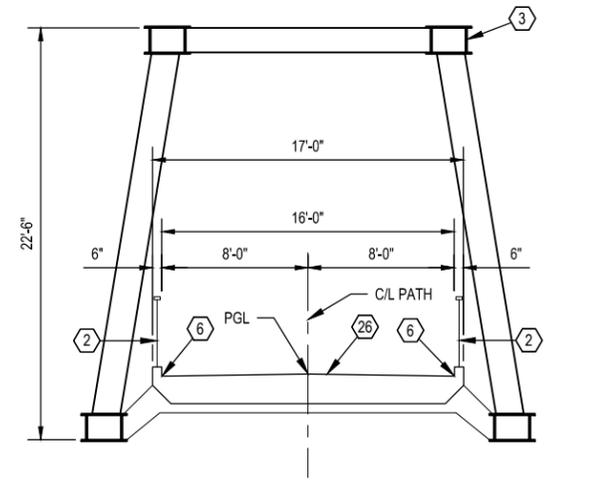
DEVELOPED ELEVATION
1" = 20'



PLAN
1" = 20'

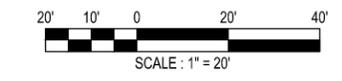


TYPICAL SECTION - END SPANS
1" = 5'



TYPICAL SECTION - CENTER SPAN
1" = 5'

- LEGEND:**
- 2 48-INCH RAILING
 - 3 BUILT-UP BOX TRUSS CHORD
 - 6 DECK DRAIN
 - 11 CIDH CONCRETE PILE GROUP
 - 20 PIER WALL
 - 21 PILE CAP
 - 26 REINFORCED CONCRETE DECK
 - 38 STEEL CROSSFRAME



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR08-ALT01-04.DWG Last saved by: pwalker Pld date: 5/28/2021 11:49 AM Plot style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

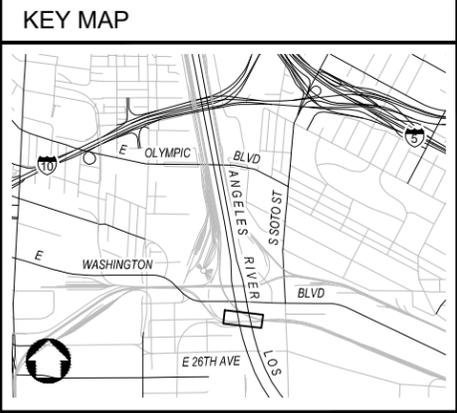
DESIGNED BY J. ALDRICH
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

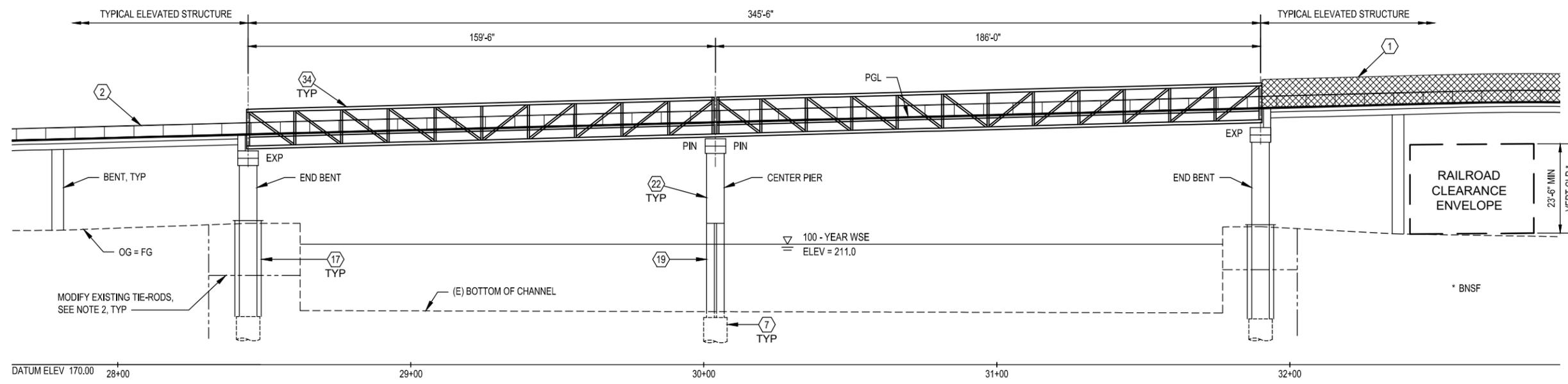
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT REDONDO JUNCTION OVER LOS ANGELES RIVER ALTERNATIVE 1:
STEEL TRUSS SUPERSTRUCTURE (4 OF 4)

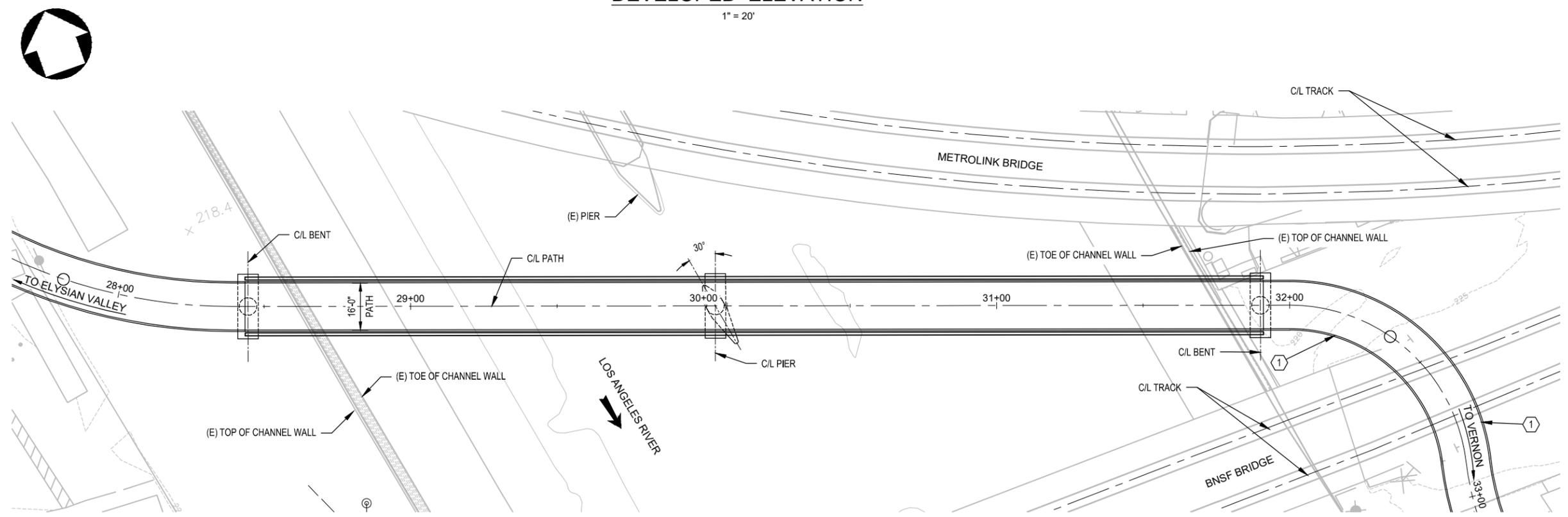
CONTRACT NO AE47795000	REV
DRAWING NO LAR-B08-ALT01-04	
SCALE AS SHOWN	
SHEET NO 27 OF 69	



- NOTES:
- FOR TYPICAL SECTIONS, SEE LAR-BR08-ALT02-02.
 - CONSTRUCTION OF PILES IN THIS ZONE MAY RESULT IN INTERFERENCE WITH EXISTING BULKHEAD WALL TIE-RODS. IF THIS OCCURS, NEW TIE-RODS, WALERS, AND DEAD-MAN ANCHORS MAY BE NEEDED.

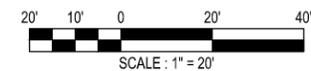


DEVELOPED ELEVATION
1" = 20'



PLAN
1" = 20'

- LEGEND:
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑦ CIDH CONCRETE PILE
 - ⑰ ISOLATION CASING
 - ⑲ PIER PROTECTION WALL
 - ⑳ REINFORCED CONCRETE COLUMN
 - ⑳ STEEL TRUSS



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR08-ALT02-01.DWG Last saved by: 07/15/16 Plot date: 5/28/2021 12:02 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

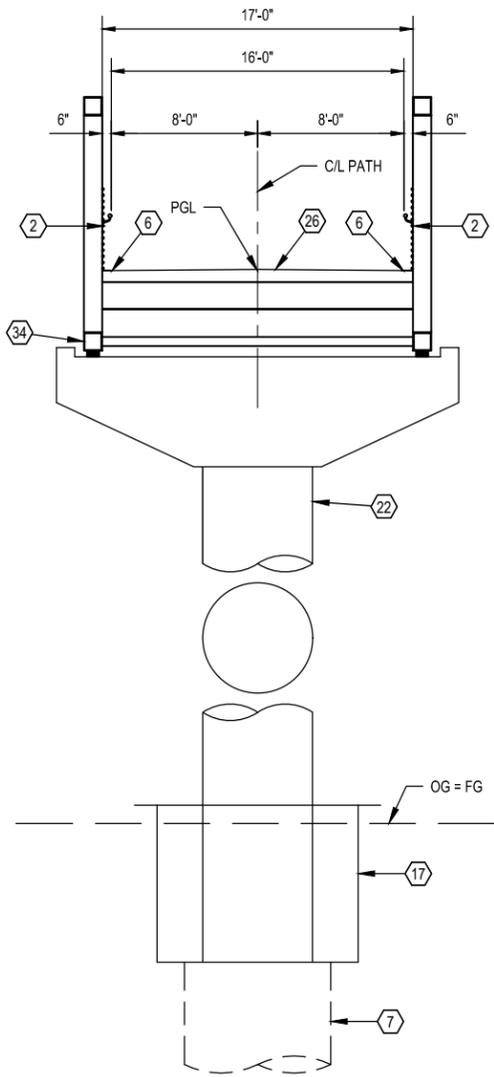
DESIGNED BY J. ALDRICH
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

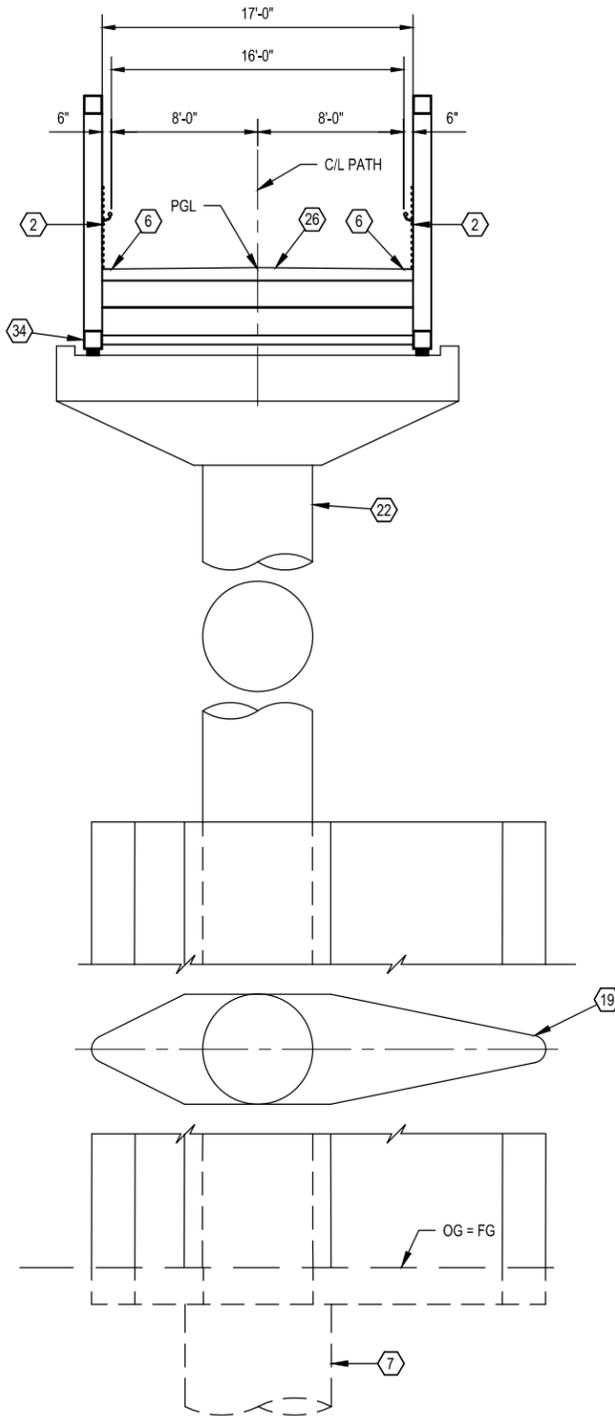
LOS ANGELES RIVER PATH PROJECT
PATH AT REDONDO JUNCTION OVER LOS ANGELES RIVER ALTERNATIVE 2:
STEEL TRUSS SUPERSTRUCTURE (1 OF 2)

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR08-ALT02-01	
SCALE AS SHOWN	
SHEET NO 28 OF 69	



TYPICAL SECTION - END BENT

1" = 10'-0"



TYPICAL SECTION - CENTER PIER

1" = 10'-0"

LEGEND:

- ② 48-INCH RAILING
- ⑥ DECK DRAIN
- ⑦ CIDH CONCRETE PILE
- ⑰ ISOLATION CASING
- ⑲ PIER PROTECTION WALL
- ⑳ REINFORCED CONCRETE COLUMN
- ㉔ REINFORCED CONCRETE DECK
- ㉘ STEEL TRUSS



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR08-ALT02-02.DWG Last saved by: pwalker Pld date: 5/28/2021 12:48 PM Plot style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	J. ALDRICH
DRAWN BY	M. WEINERT
CHECKED BY	M. COOPER
IN CHARGE	M. NEGRETE
DATE	6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

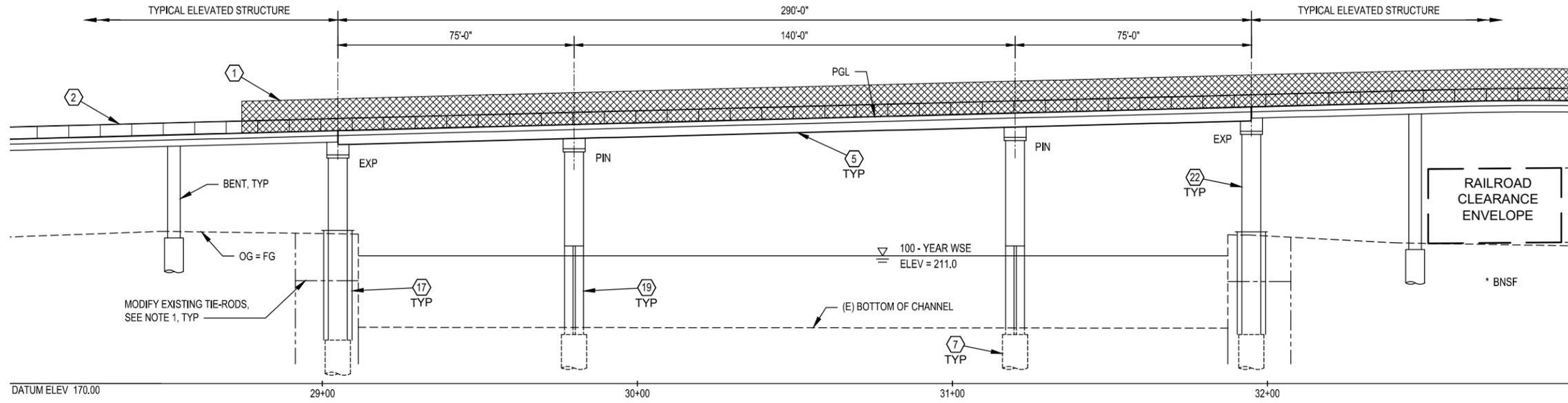
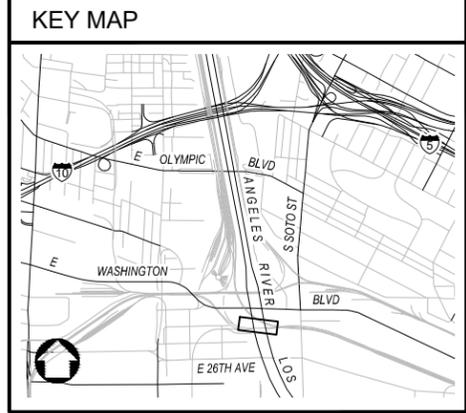
LOS ANGELES RIVER PATH
PROJECT
PATH AT REDONDO JUNCTION
OVER LOS ANGELES RIVER ALTERNATIVE 2:
STEEL TRUSS SUPERSTRUCTURE (2 OF 2)

CONTRACT NO	AE47795000
DRAWING NO	LAR-BR08-ALT02-02
SCALE	AS SHOWN
SHEET NO	29 OF 69

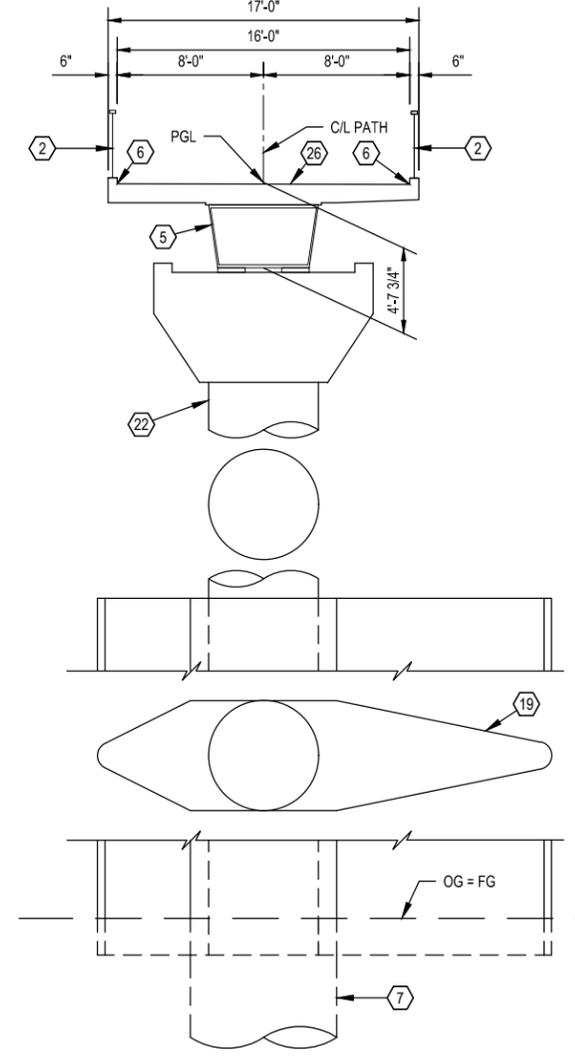
- LEGEND:
- ① 10' FENCE
 - ② 48-INCH RAILING
 - ⑤ CENTRAL STEEL BOX GIRDER
 - ⑥ DECK DRAIN
 - ⑦ CIDH CONCRETE PILE
 - ⑬ ISOLATION CASING
 - ⑰ PIER PROTECTION WALL
 - ⑲ REINFORCED CONCRETE COLUMN
 - ⑳ REINFORCED CONCRETE DECK

NOTES:

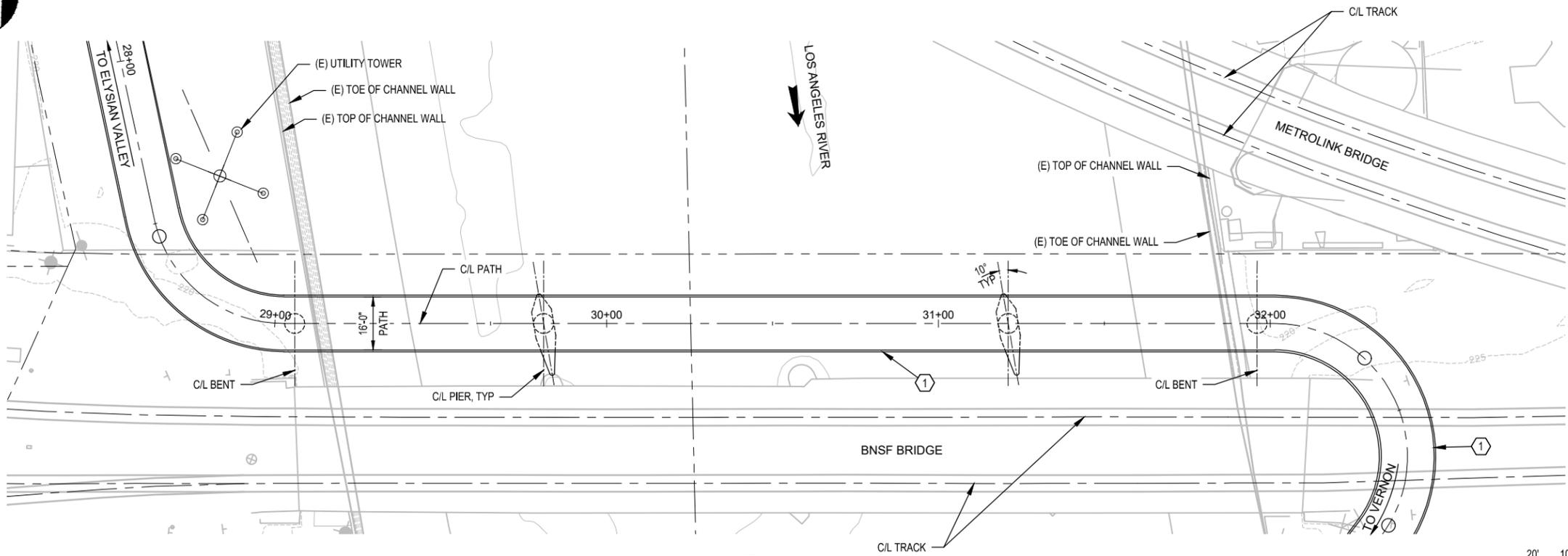
- CONSTRUCTION OF PILES IN THIS ZONE MAY RESULT IN INTERFERENCE WITH EXISTING BULKHEAD WALL TIE-RODS. IF THIS OCCURS, NEW TIE-RODS, WALERS, AND DEAD-MAN ANCHORS MAY BE NEEDED.



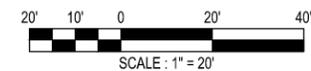
DEVELOPED ELEVATION
1" = 20'



TYPICAL SECTION
1" = 5'



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR08-ALT03-01.DWG Last saved by: pwalker Pld date: 5/28/2021 3:07 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. ALDRICH
DRAWN BY
M. WEINERT
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

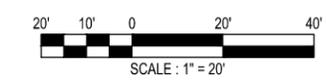
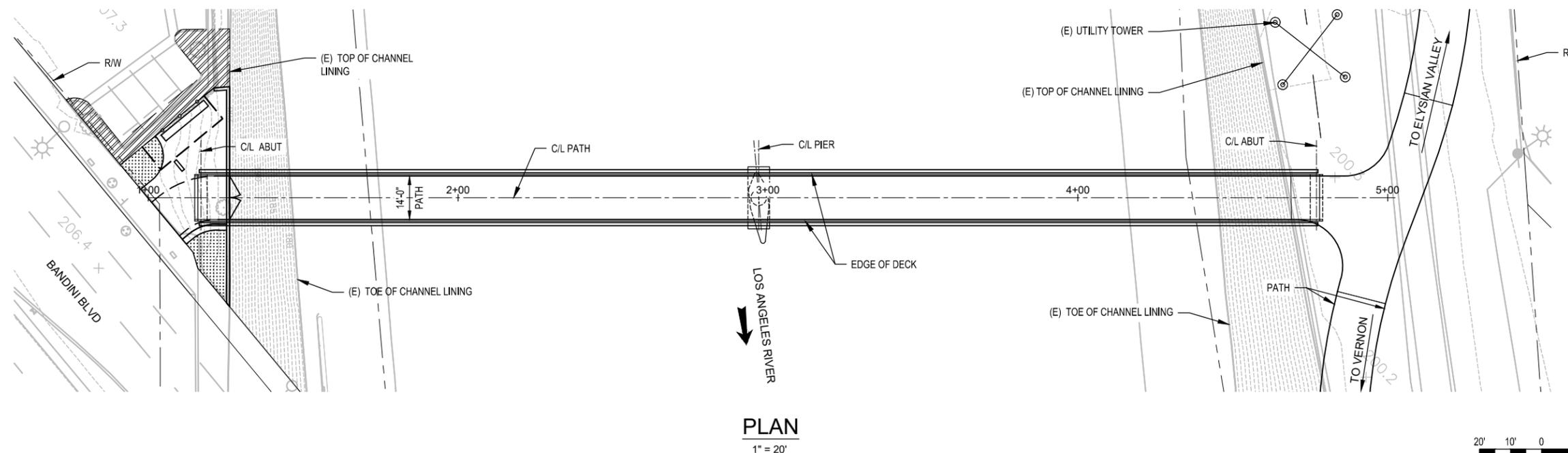
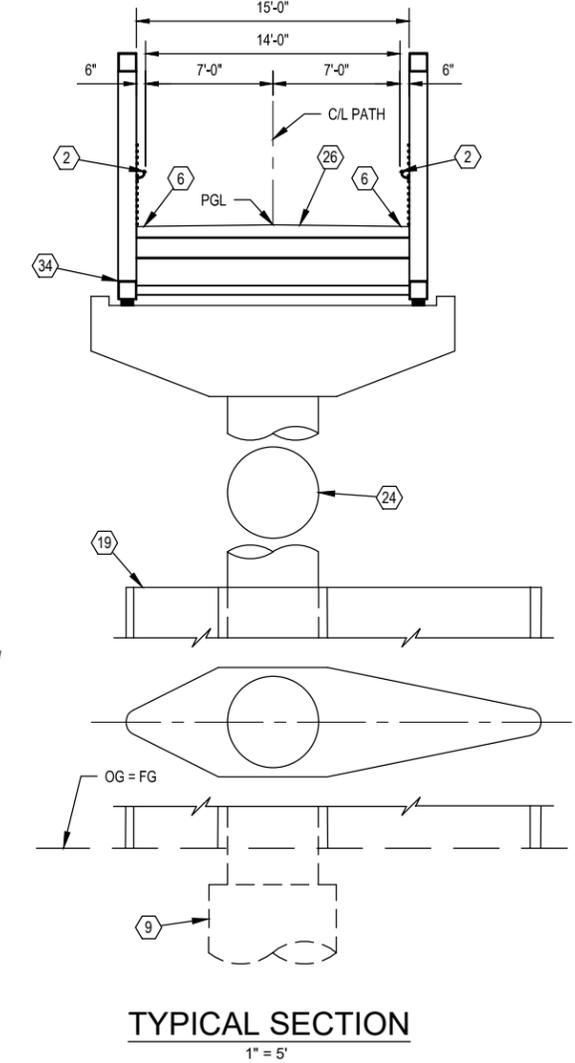
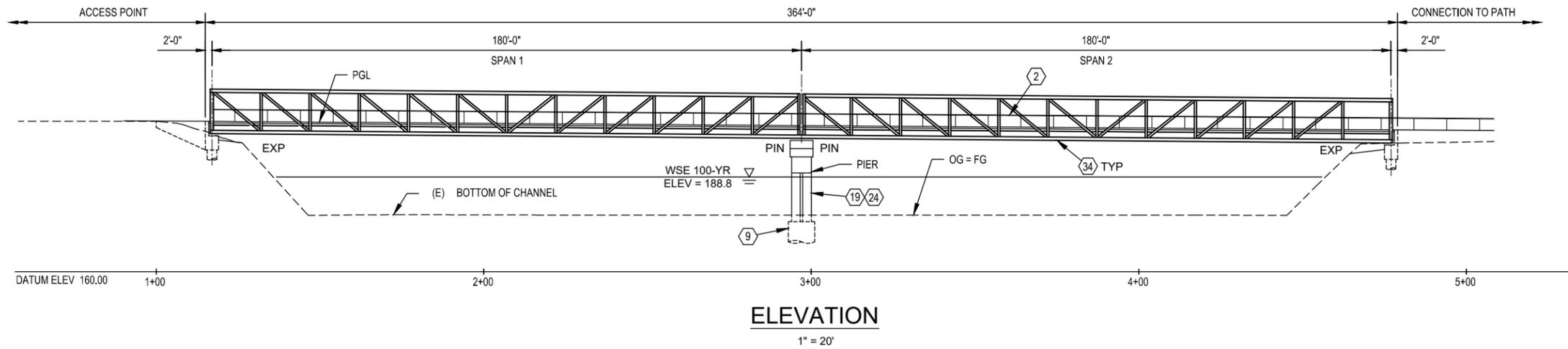
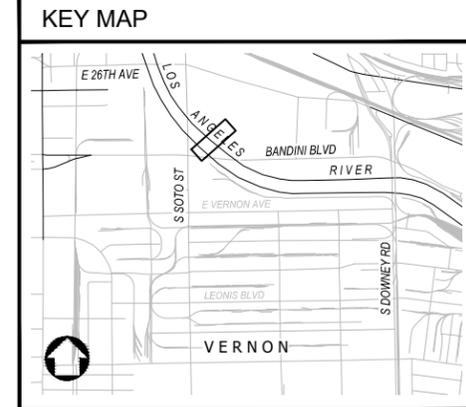
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

PATH AT REDONDO JUNCTION OVER
LOS ANGELES RIVER ALTERNATIVE 3:
CENTRAL STEEL BOX SUPERSTRUCTURE

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR08-ALT03-01	
SCALE AS SHOWN	
SHEET NO 30 OF 69	

- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑨ CIDH CONCRETE PILE (7" DIA)
 - ⑱ PIER PROTECTION WALL
 - ⑲ REINFORCED CONCRETE COLUMN (5' DIA)
 - ⑳ REINFORCED CONCRETE DECK
 - ㉓ STEEL TRUSS



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR09-ALT01-01.DWG Last saved by: CV071576 Plot date: 5/28/2021 3:17 PM Plot style table: HAL_F_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

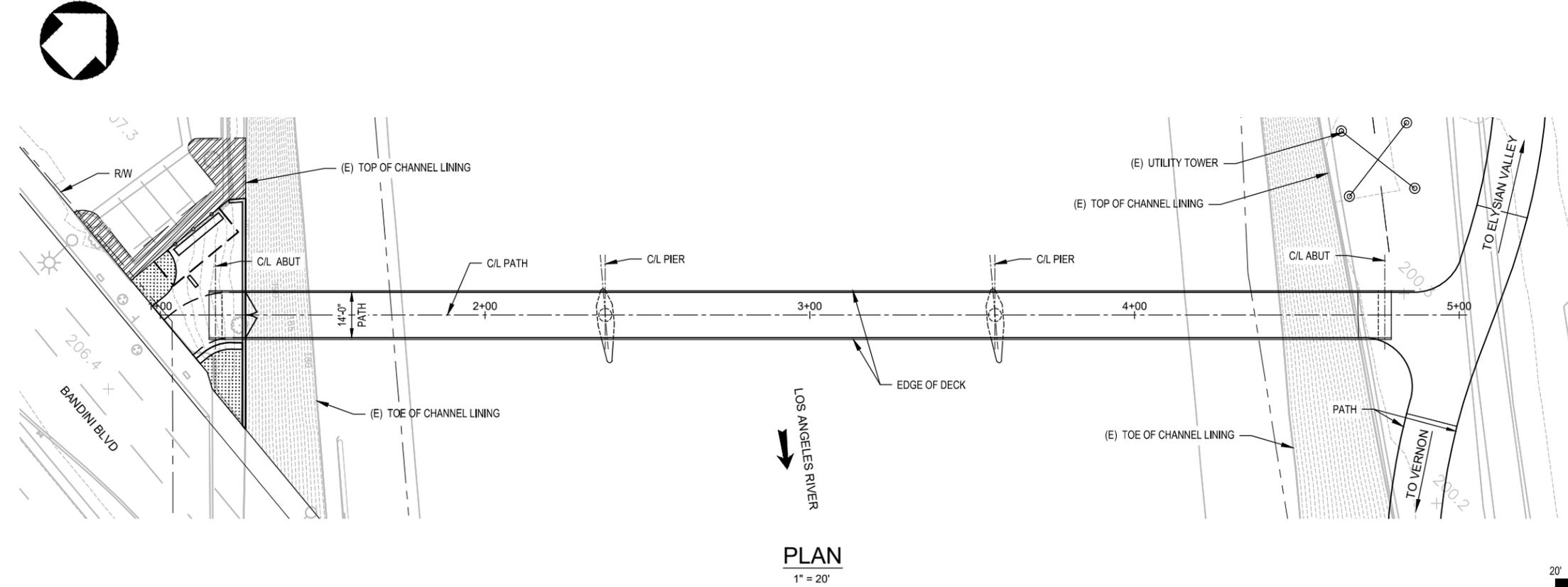
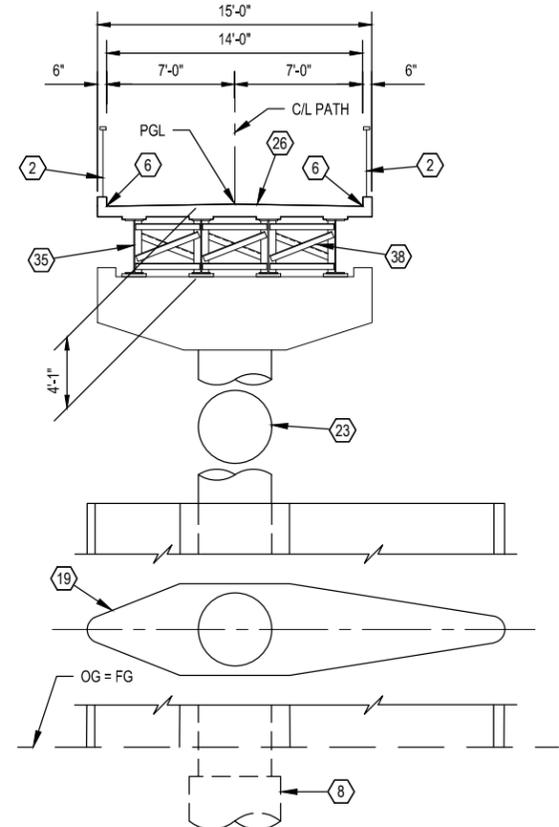
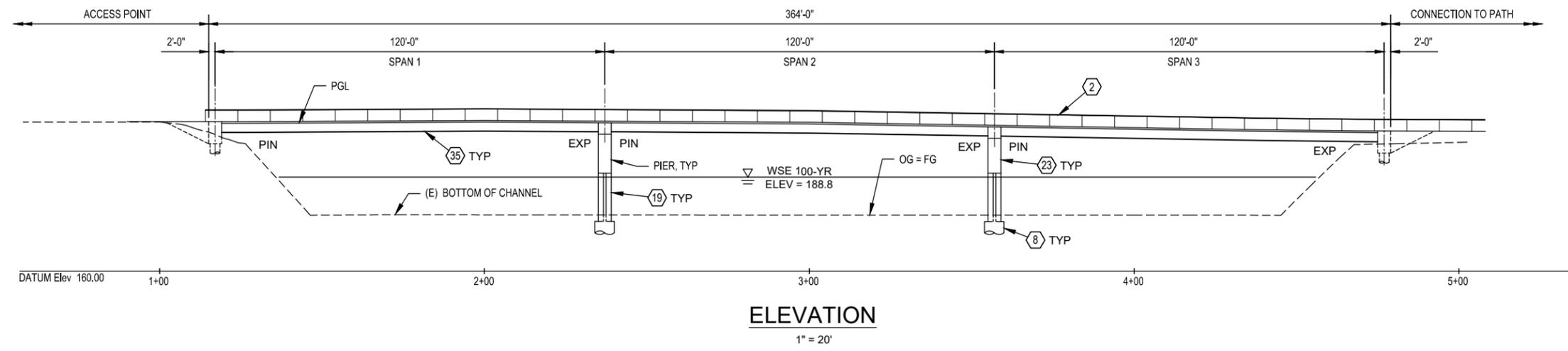
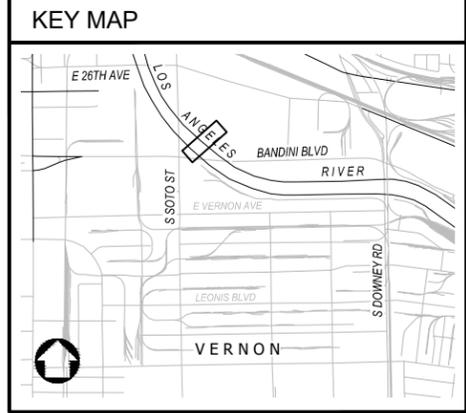
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

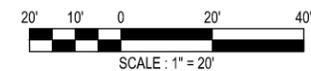
LOS ANGELES RIVER PATH
PROJECT

PATH AT BANDINI BLVD AND SOTO ST
OVER LOS ANGELES RIVER
ALTERNATIVE 1: STEEL TRUSS

CONTRACT NO AE47795000	
DRAWING NO LAR-BR09-ALT01-01	REV
SCALE AS SHOWN	
SHEET NO 31 OF 69	



- TYPICAL SECTION**
1" = 5'
- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑧ CIDH CONCRETE PILE (6' DIA)
 - ⑱ PIER PROTECTION WALL
 - ⑳ REINFORCED CONCRETE COLUMN (4' DIA)
 - ㉔ REINFORCED CONCRETE DECK
 - ㉕ STEEL WIDE FLANGE GIRDER
 - ㉖ STEEL CROSS FRAME



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR09-ALT02-01.DWG Last saved by: pwalker Plo date: 5/28/2021 3:30 PM Plo style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

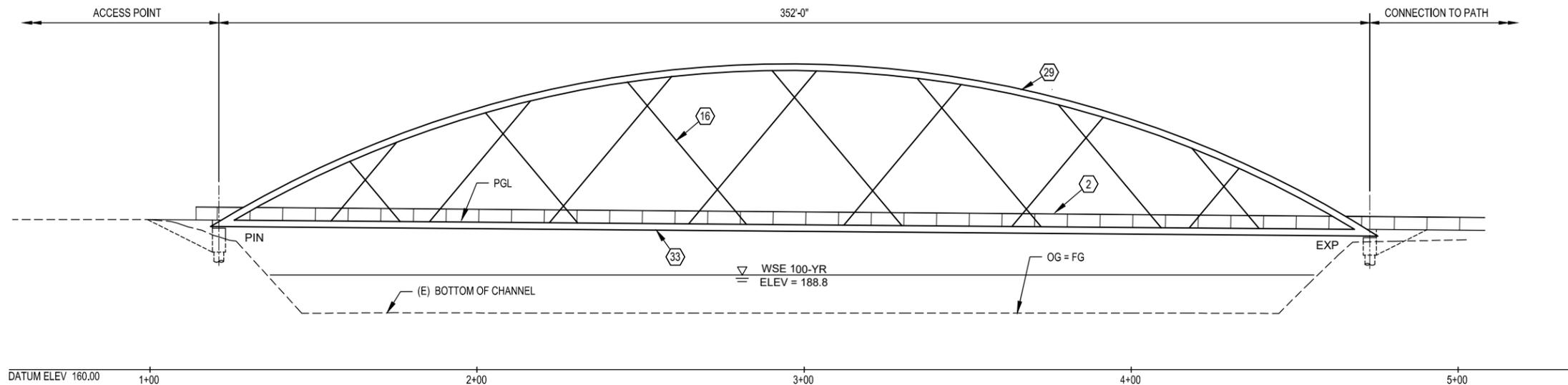
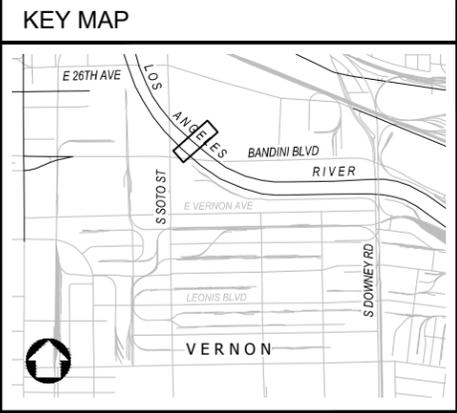
DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

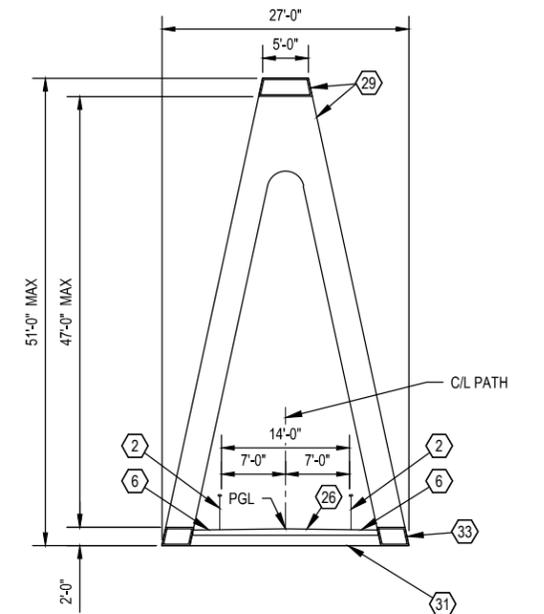
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT BANDINI BLVD AND SOTO ST OVER LOS ANGELES RIVER
ALTERNATIVE 2: STEEL WIDE FLANGE GIRDER

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR09-ALT02-01	
SCALE AS SHOWN	
SHEET NO 32 OF 69	

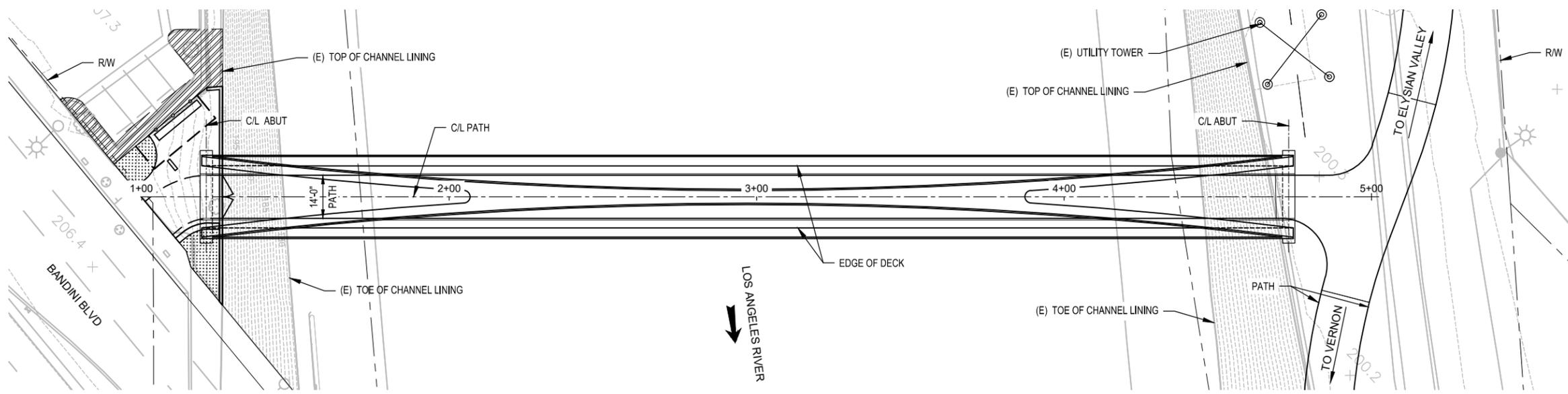


ELEVATION
1" = 20'

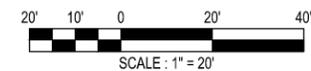


TYPICAL SECTION
1" = 10'

- LEGEND:
- (2) 48-INCH RAILING
 - (6) DECK DRAIN
 - (16) INCLINED HANGER CABLES
 - (26) REINFORCED CONCRETE DECK
 - (29) STEEL ARCH
 - (31) STEEL RIBS
 - (33) STEEL TIE GIRDER



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR09-ALT03-01.DWG Last saved by: pwalker Plo date: 5/28/2021 3:48 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



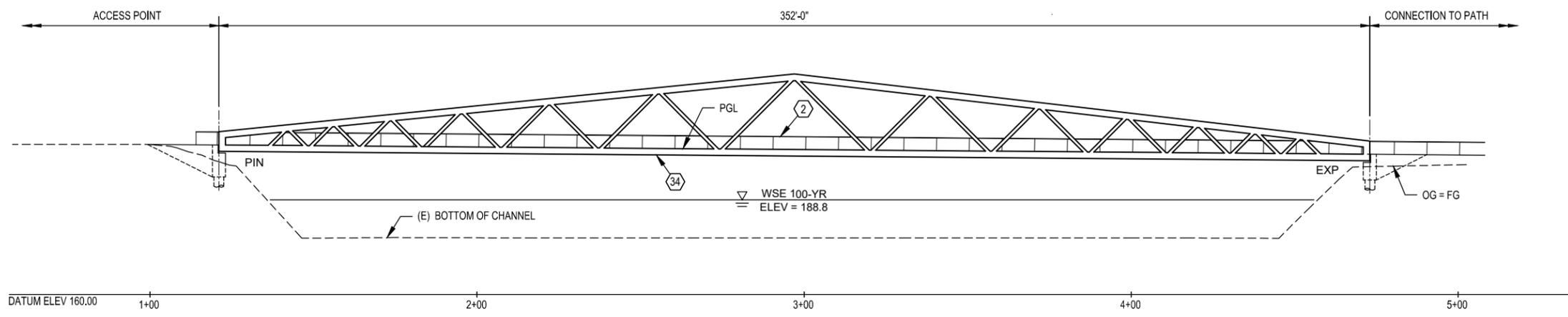
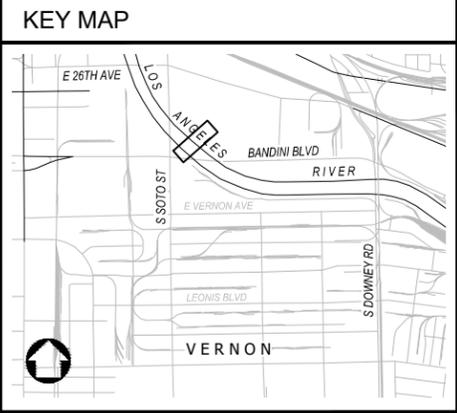
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH
PROJECT

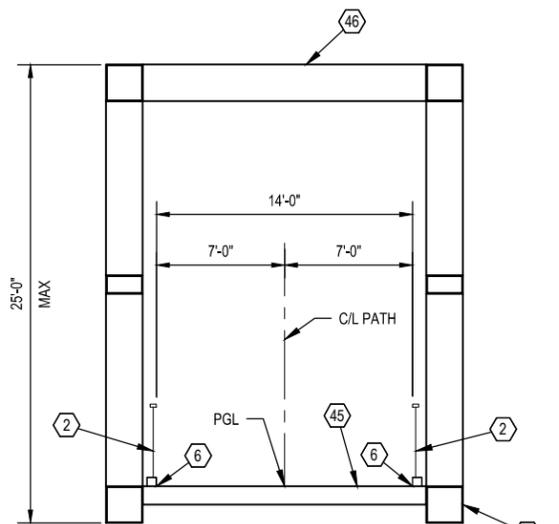
PATH AT BANDINI BLVD AND SOTO ST
OVER LOS ANGELES RIVER
ALTERNATIVE 3: NETWORK TIED ARCH

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR09-ALT03-01	
SCALE AS SHOWN	
SHEET NO 33 OF 69	



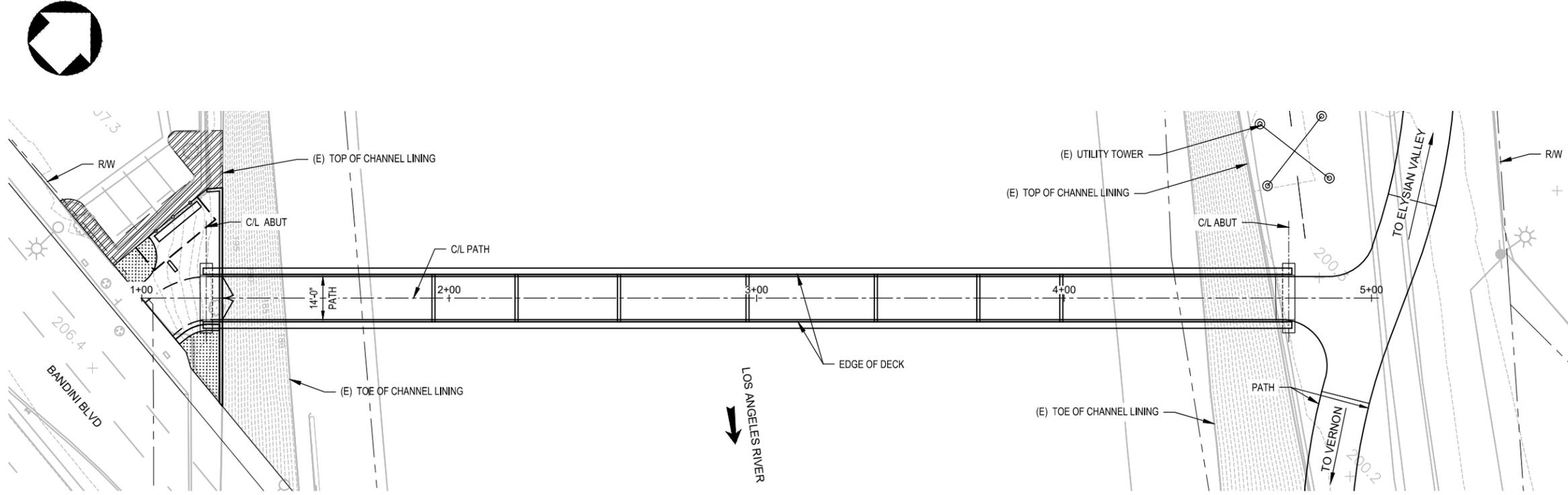
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ELEVATION
1" = 20'

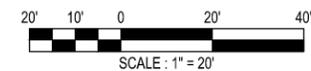


TYPICAL SECTION
1" = 5'

- LEGEND:
- (2) 48-INCH RAILING
 - (6) DECK DRAIN
 - (34) STEEL TRUSS
 - (45) LIGHTWEIGHT DECK
 - (46) TRANSVERSE STEEL BEAM



PLAN
1" = 20'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR09-ALT04-01.DWG Last saved by: pwalker Plo date: 5/28/2021 3:57 PM Plot style table: HALF_BW.ctb

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

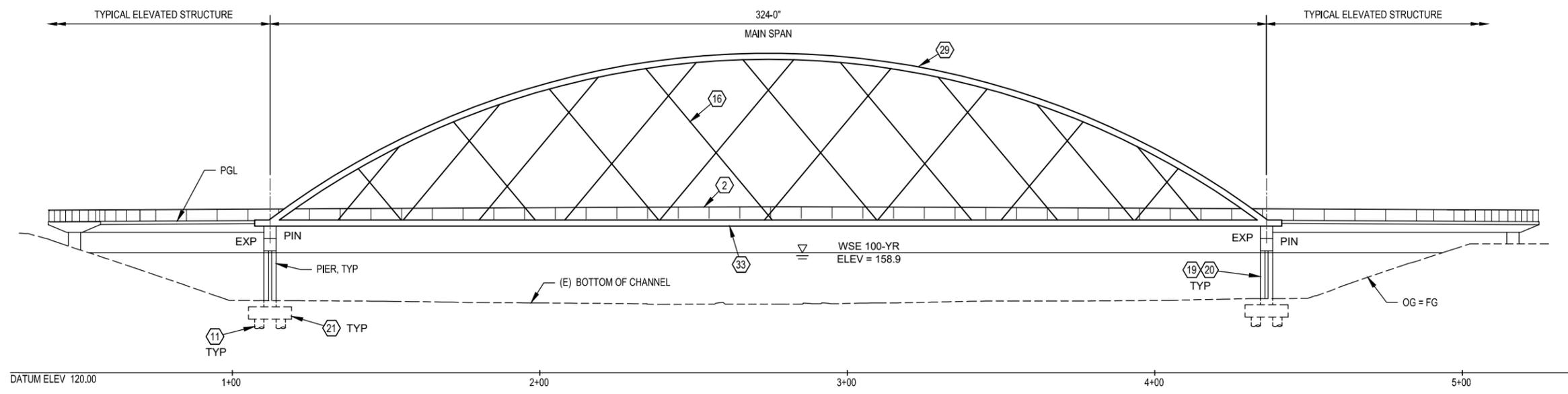
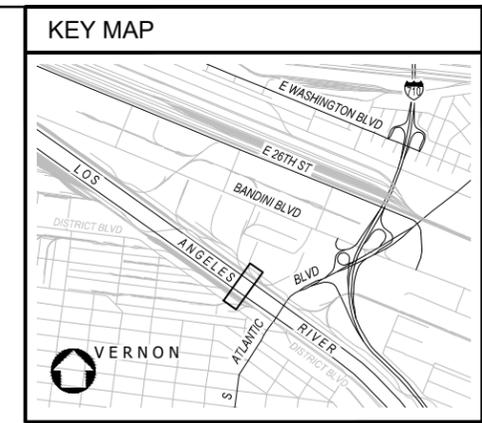
DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

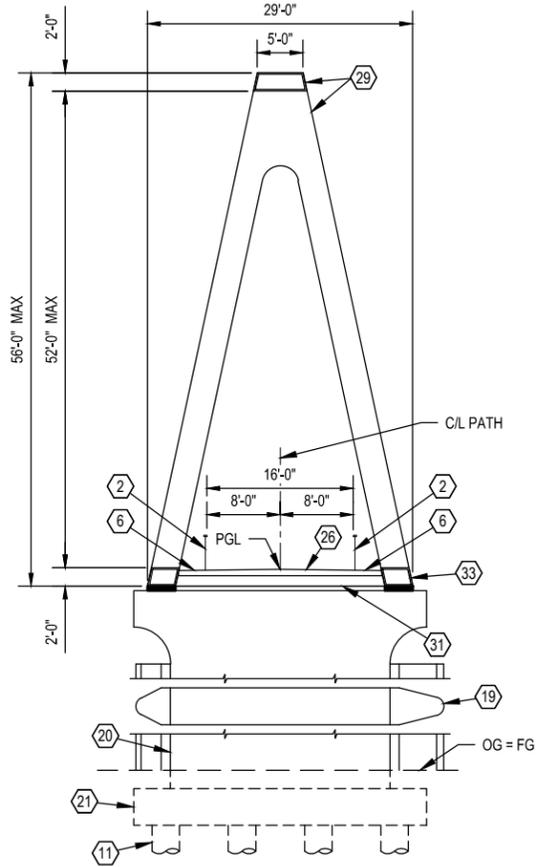
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT BANDINI BLVD AND SOTO ST OVER LOS ANGELES RIVER
ALTERNATIVE 4: STEEL TRUSS

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR09-ALT04-01	
SCALE AS SHOWN	
SHEET NO 34 OF 69	

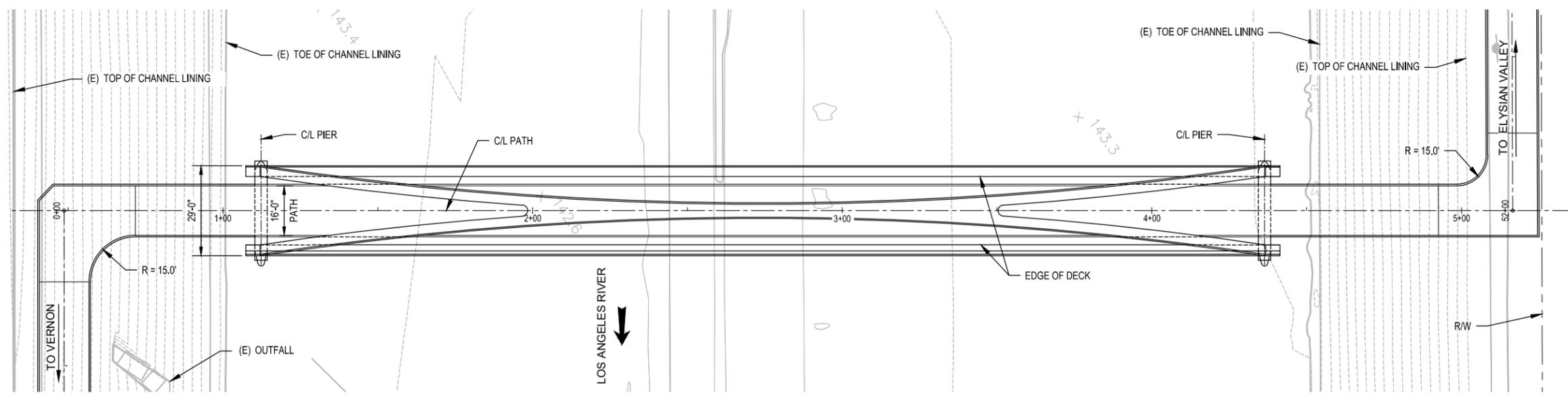


ELEVATION
1" = 20'

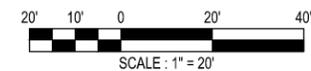


TYPICAL SECTION
1" = 10'

- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑪ CIDH CONCRETE PILE GROUP
 - ⑯ INCLINED HANGER CABLES
 - ⑰ PIER PROTECTION WALL
 - ⑳ PIER WALL
 - ⑳ PILE CAP
 - ⑳ REINFORCED CONCRETE DECK
 - ⑳ STEEL ARCH
 - ⑳ STEEL RIBS
 - ⑳ STEEL TIE GIRDER



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR10-ALT01-1.DWG Last saved by: pwalker Plo date: 5/28/2021 4:18 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



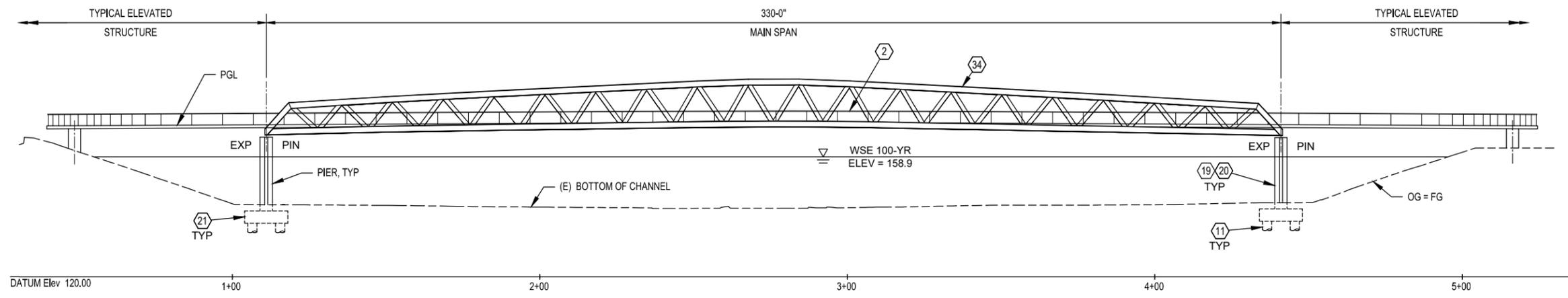
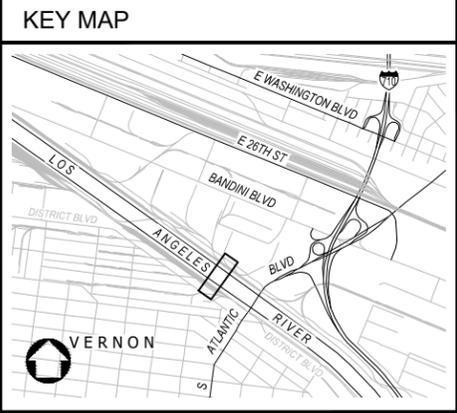
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

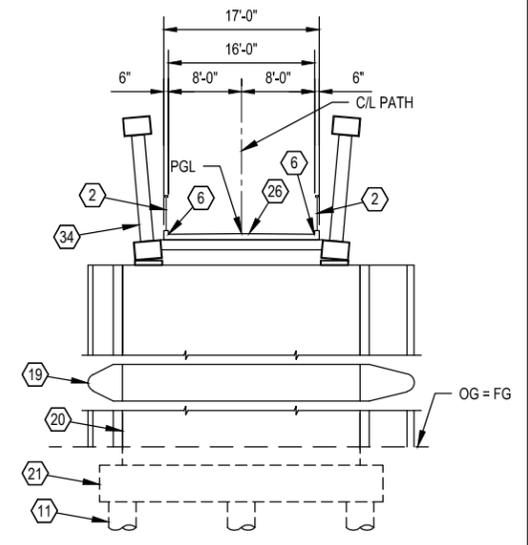
LOS ANGELES RIVER PATH
PROJECT

PATH AT SOUTH ATLANTIC BLVD
OVER LOS ANGELES RIVER
ALTERNATIVE 1: NETWORK TIED ARCH

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR10-ALT01-1	
SCALE AS SHOWN	
SHEET NO 35 OF 69	

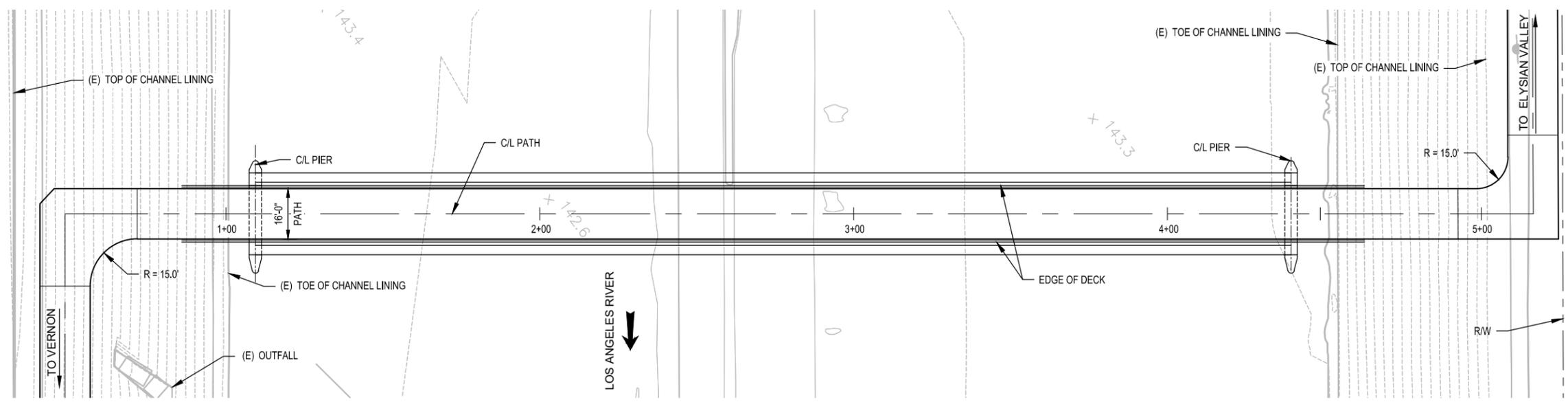


ELEVATION
1" = 20'

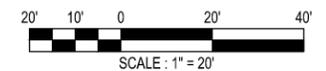


TYPICAL SECTION
1" = 10'

- LEGEND:
- 2 48-INCH RAILING
 - 6 DECK DRAIN
 - 11 CIDH CONCRETE PILE GROUP
 - 19 PIER PROTECTION WALL
 - 20 PIER WALL
 - 21 PILE CAP
 - 26 REINFORCED CONCRETE DECK
 - 34 STEEL TRUSS



PLAN
1" = 20'



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR10-ALT02-01.DWG Last saved by: pwalker Pld date: 5/28/2021 4:49 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

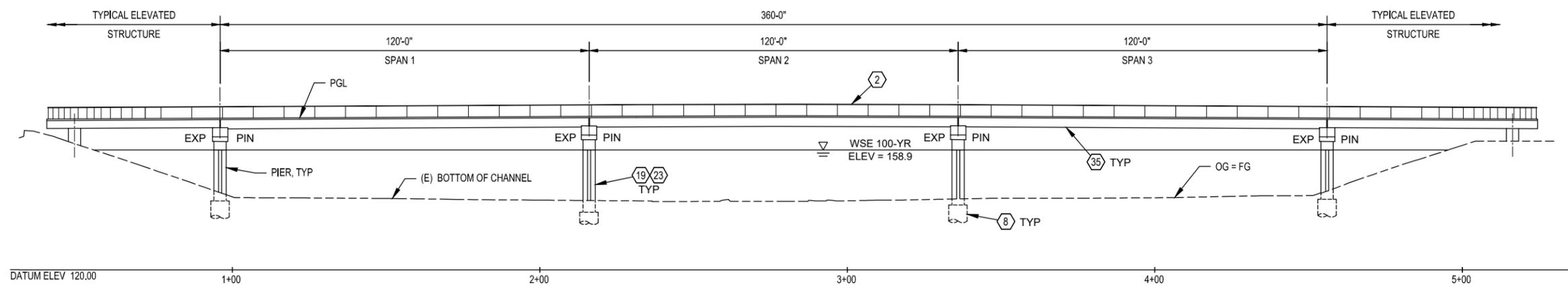
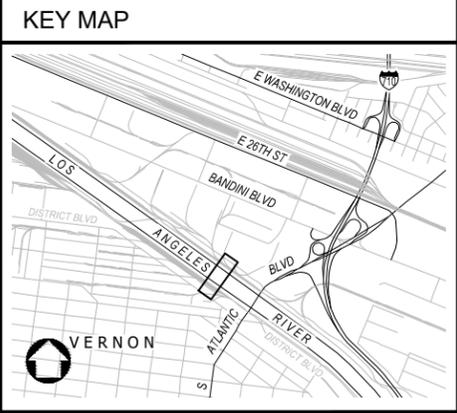
DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

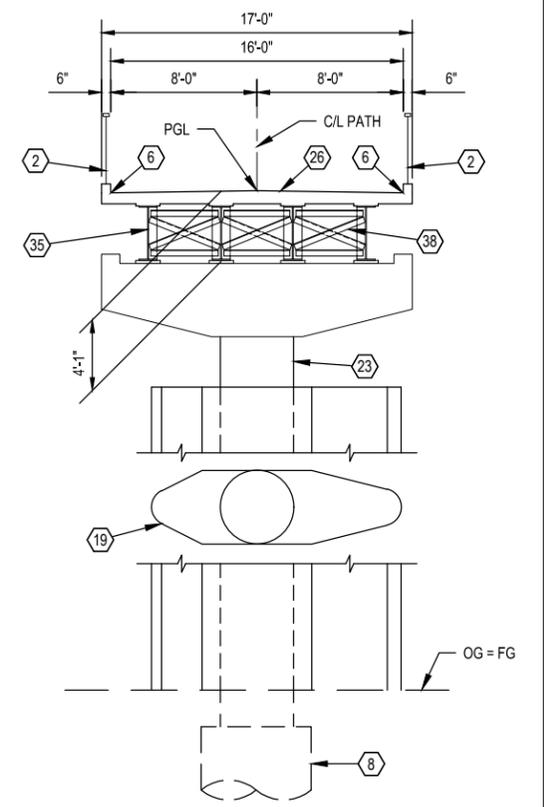
THE JACOBS ALTA TEAM
JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
PATH AT SOUTH ATLANTIC BLVD OVER LOS ANGELES RIVER
ALTERNATIVE 2: INCLINED STEEL TRUSS

CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR10-ALT02-01	
SCALE AS SHOWN	
SHEET NO 36 OF 69	

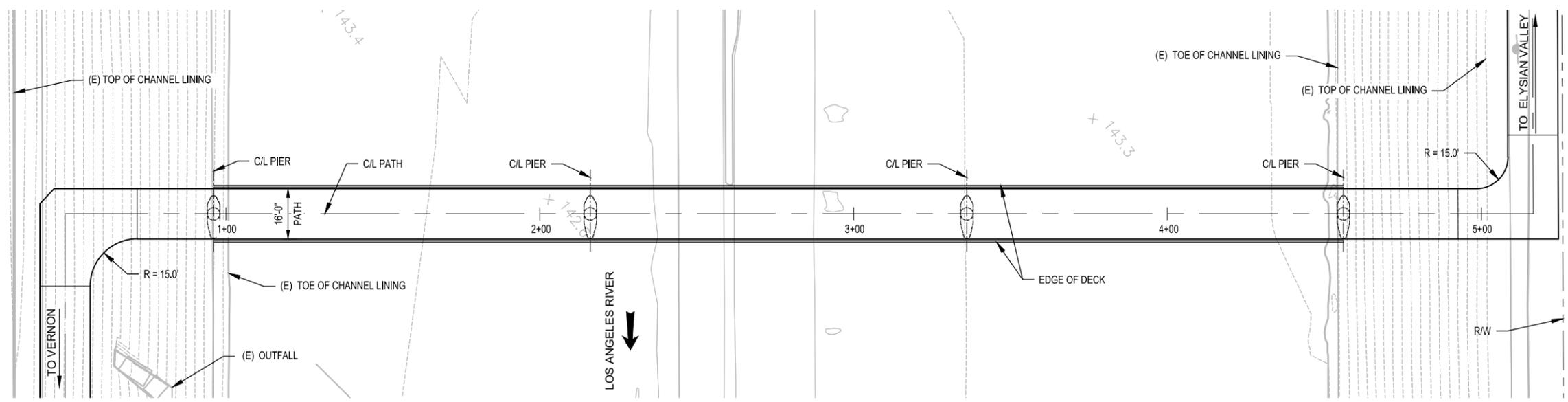


DATUM ELEV 120.00
 1+00 2+00 3+00 4+00 5+00
ELEVATION
 1" = 20'

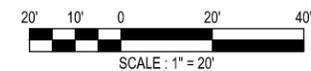


TYPICAL SECTION
 1" = 5'

- LEGEND:
- ② 48-INCH RAILING
 - ⑥ DECK DRAIN
 - ⑧ CIDH CONCRETE PILE (6' DIA)
 - ⑱ PIER PROTECTION WALL
 - ⑳ REINFORCED CONCRETE COLUMN (4' DIA)
 - ㉔ REINFORCED CONCRETE DECK
 - ㉕ STEEL WIDE FLANGE GIRDER
 - ㉖ STEEL CROSS FRAME



PLAN
 1" = 20'



CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: LAR-BR10-ALT03-01.DWG Last saved by: pwalker Plo date: 5/28/2021 5:00 PM Plot style table: HALF_BW.ctb

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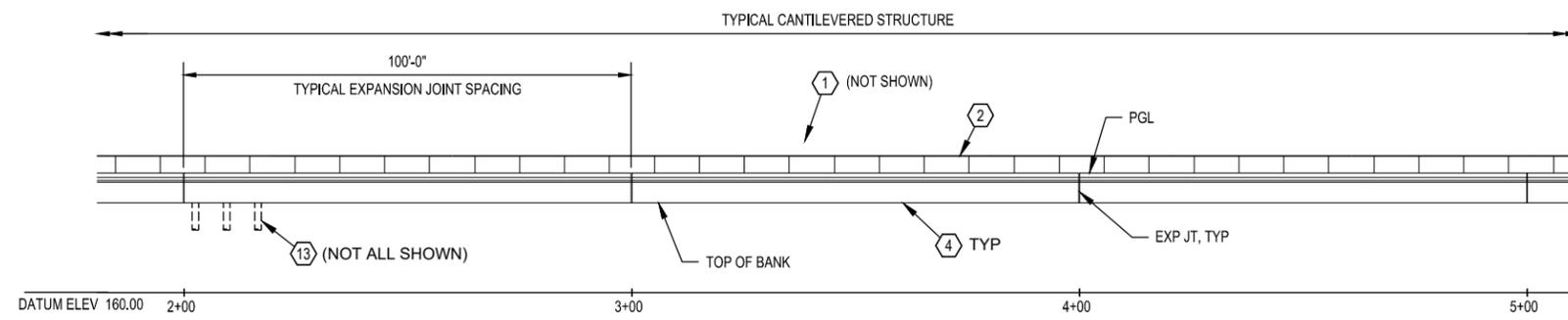
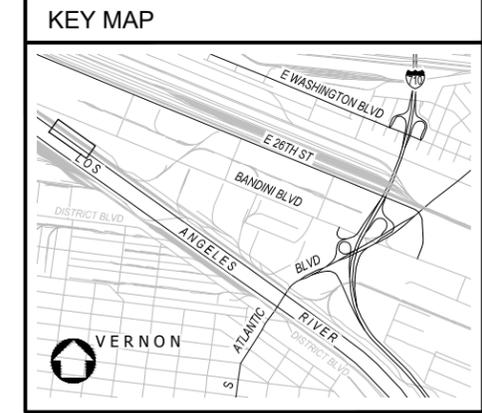
DESIGNED BY J. LOOMIS
DRAWN BY M. WEINERT
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021

Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

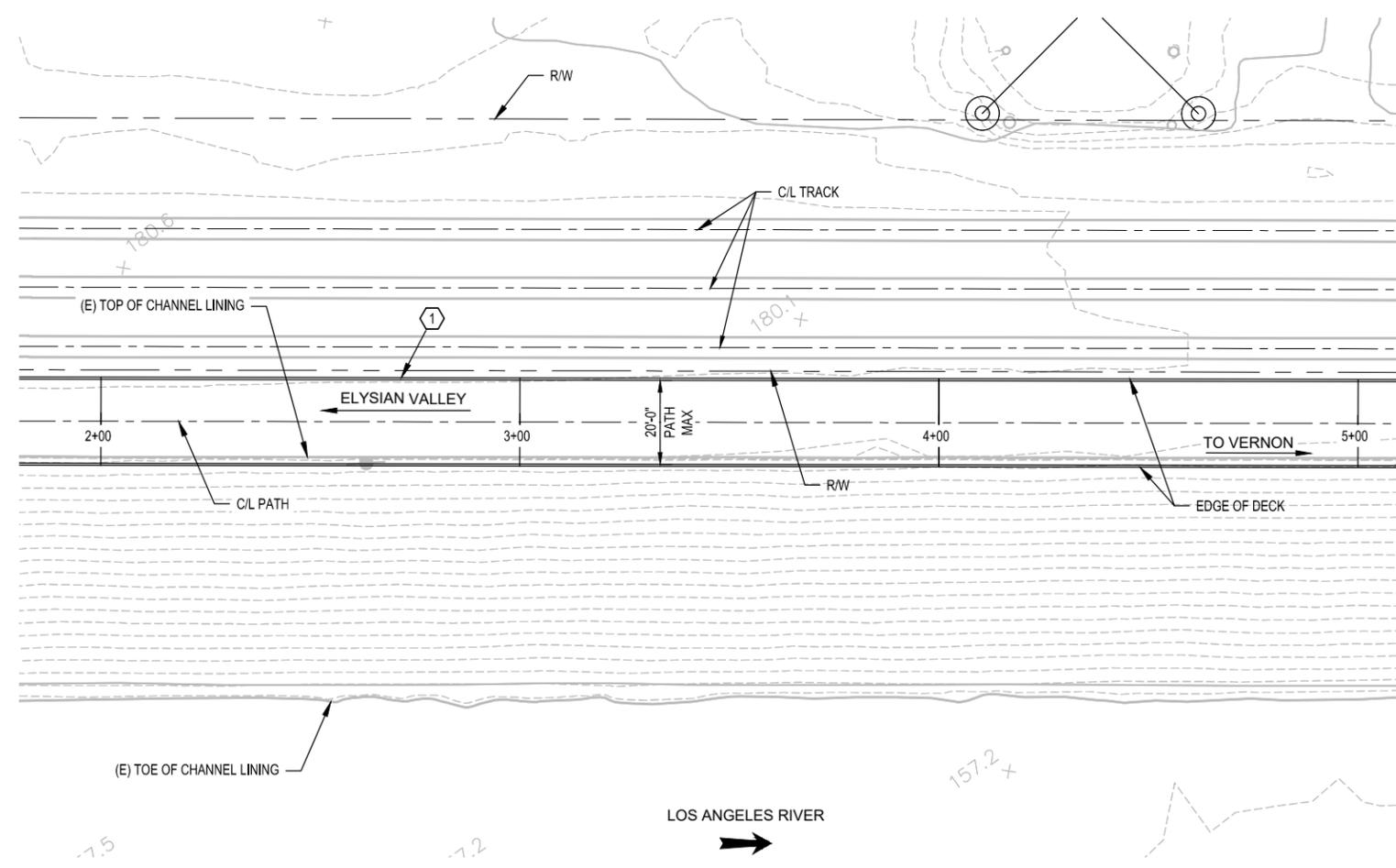
THE JACOBS ALTA TEAM
 JACOBS
 1000 WILSHIRE BLVD #2100
 LOS ANGELES, CA 90017

LOS ANGELES RIVER PATH PROJECT
 PATH AT SOUTH ATLANTIC BLVD OVER LOS ANGELES RIVER
 ALTERNATIVE 3: STEEL WIDE FLANGE GIRDER

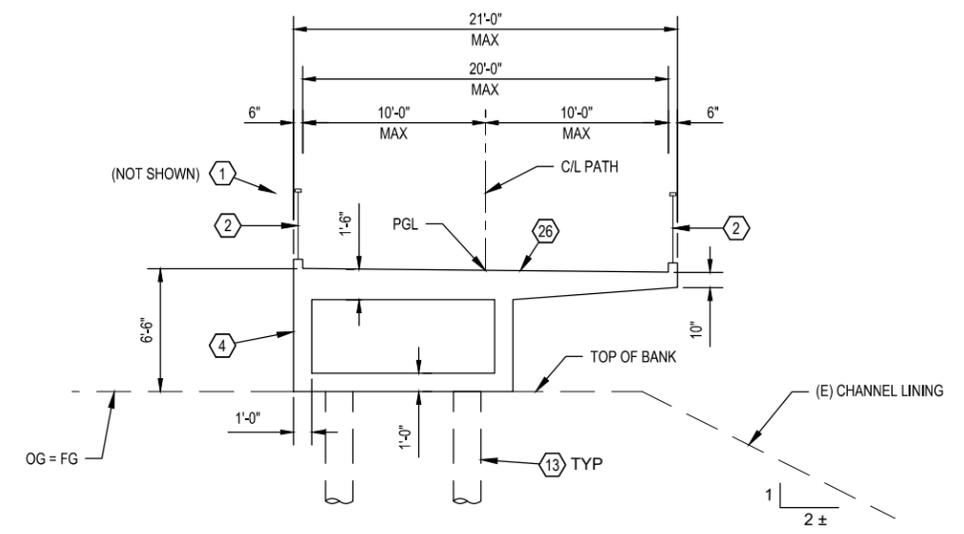
CONTRACT NO AE47795000	REV
DRAWING NO LAR-BR10-ALT03-01	
SCALE AS SHOWN	
SHEET NO 37 OF 69	



ELEVATION
1" = 20'



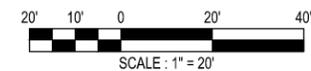
PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

LEGEND:

- ① 10' FENCE
- ② 48-INCH RAILING
- ④ CAST-IN-PLACE BOX STRUCTURE
- ⑬ CIDH CONCRETE PILE
- ⑳ REINFORCED CONCRETE DECK



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR11-ALT01-1.DWG Last saved by: pwalker Pld date: 5/28/2021 5:32 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
J. LOOMIS
DRAWN BY
P. WALKER
CHECKED BY
M. COOPER
IN CHARGE
M. NEGRETE
DATE
6.4.2021



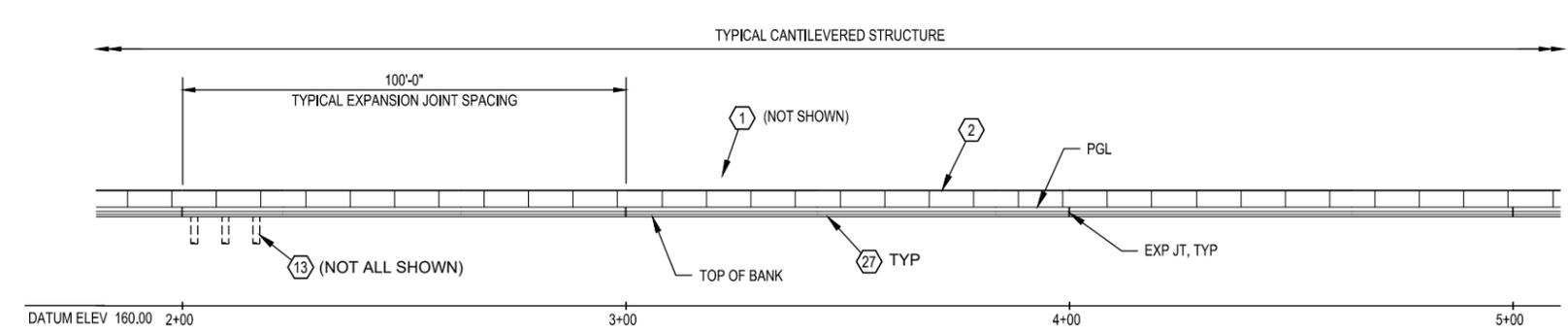
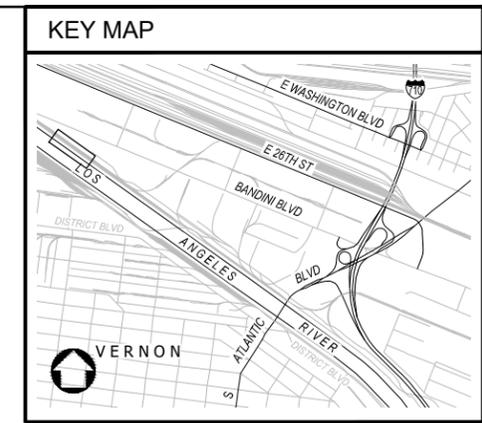
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

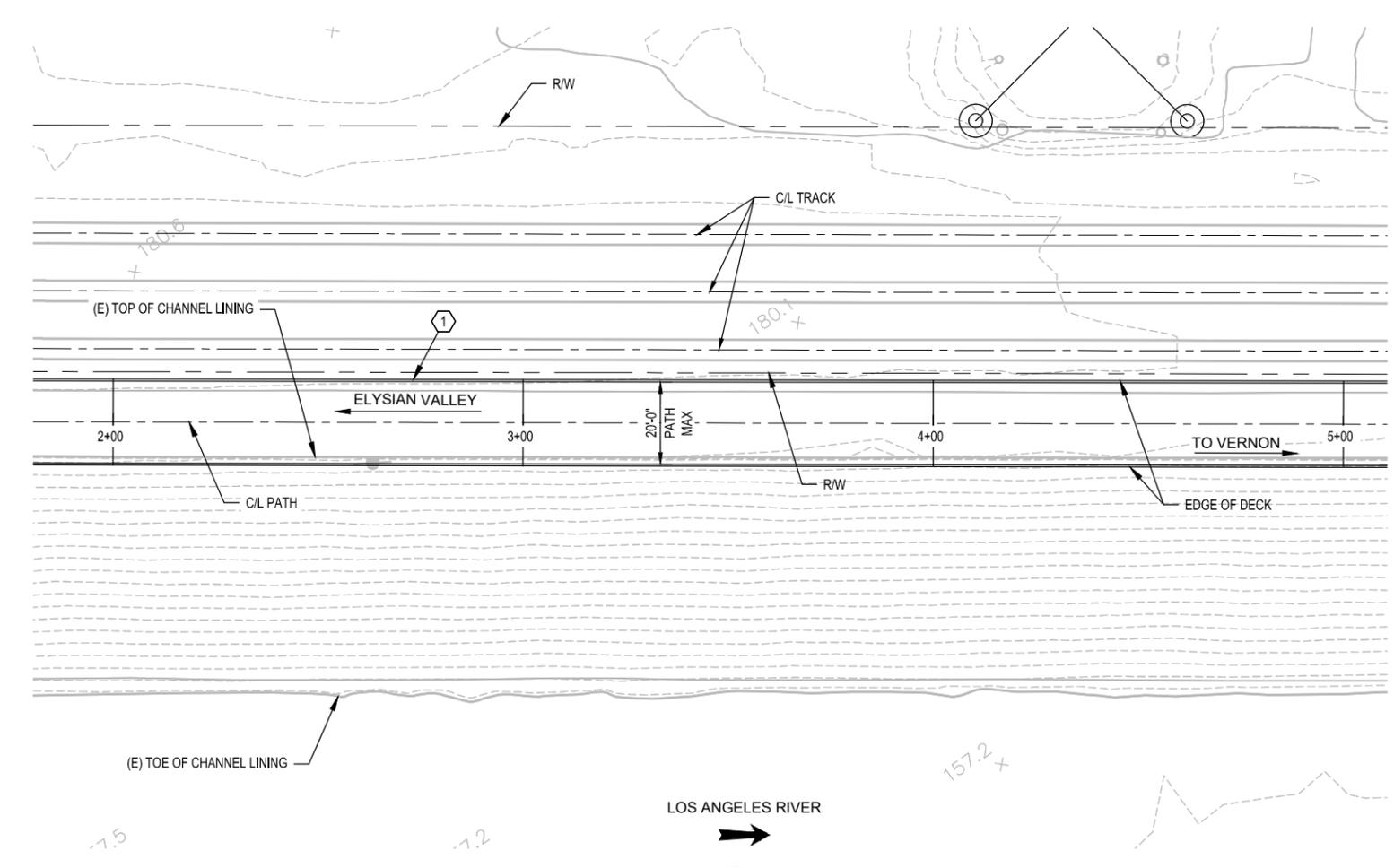
LOS ANGELES RIVER PATH
PROJECT

TYPICAL CANTILEVERED STRUCTURE
ALTERNATIVE 1:
CAST-IN-PLACE BOX STRUCTURE

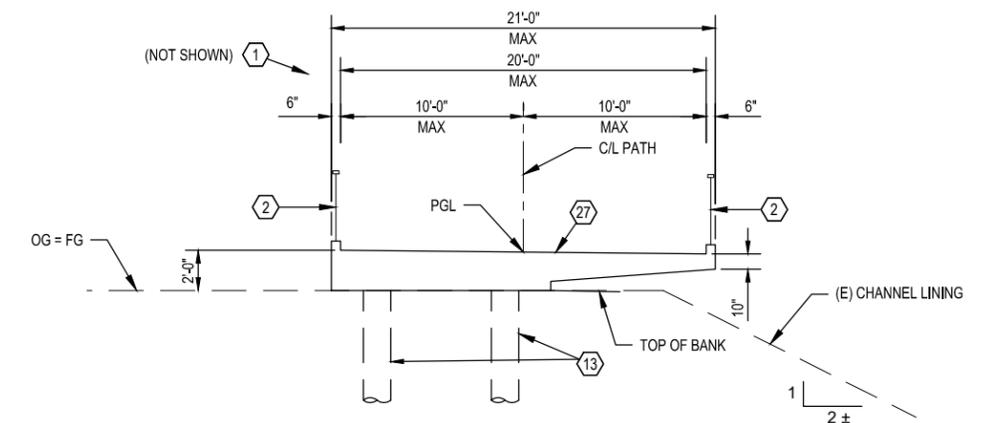
CONTRACT NO AE47795000	
DRAWING NO LAR-BR11-ALT01-01	REV
SCALE AS SHOWN	
SHEET NO 38 OF 69	



ELEVATION
1" = 20'

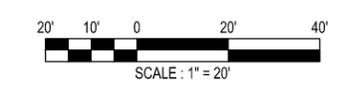


PLAN
1" = 20'



TYPICAL SECTION
1" = 5'

- LEGEND:
- (1) 10' FENCE
 - (2) 48-INCH RAILING
 - (13) CIDH CONCRETE PILE
 - (27) CAST-IN-PLACE SLAB STRUCTURE



NOT FOR CONSTRUCTION

Dwg filename: LAR-BR11-ALT02-01.DWG Last saved by: pwalker Pld date: 5/28/2021 5:42 PM Plot style table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY J. LOOMIS
DRAWN BY P. WALKER
CHECKED BY M. COOPER
IN CHARGE M. NEGRETE
DATE 6.4.2021



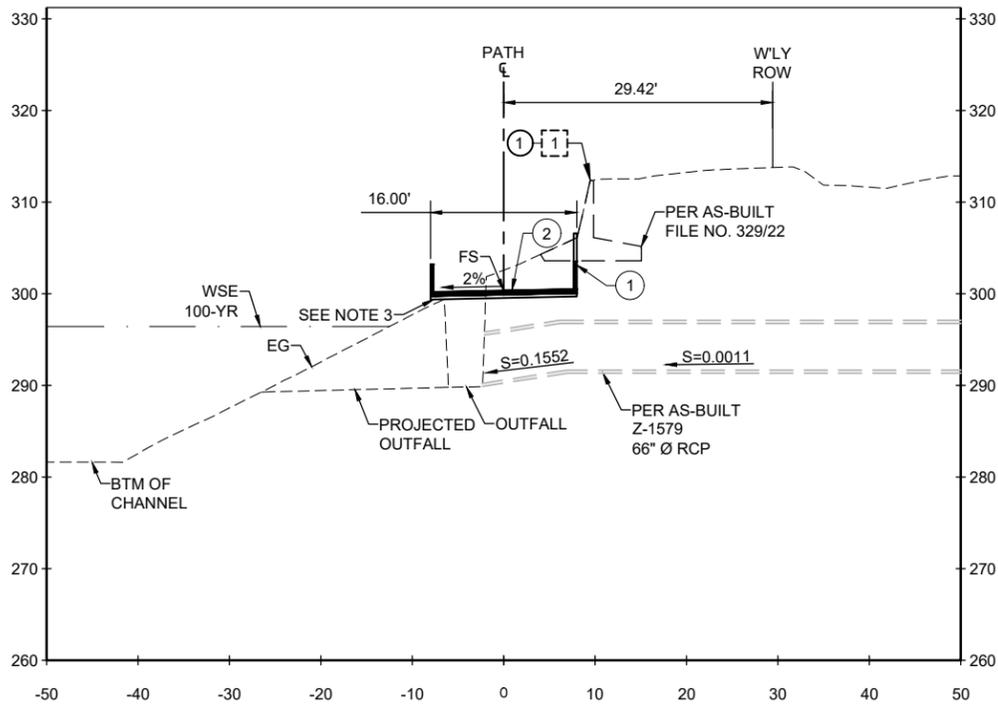
LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

JACOBS
1000 WILSHIRE BLVD #2100
LOS ANGELES, CA 90017

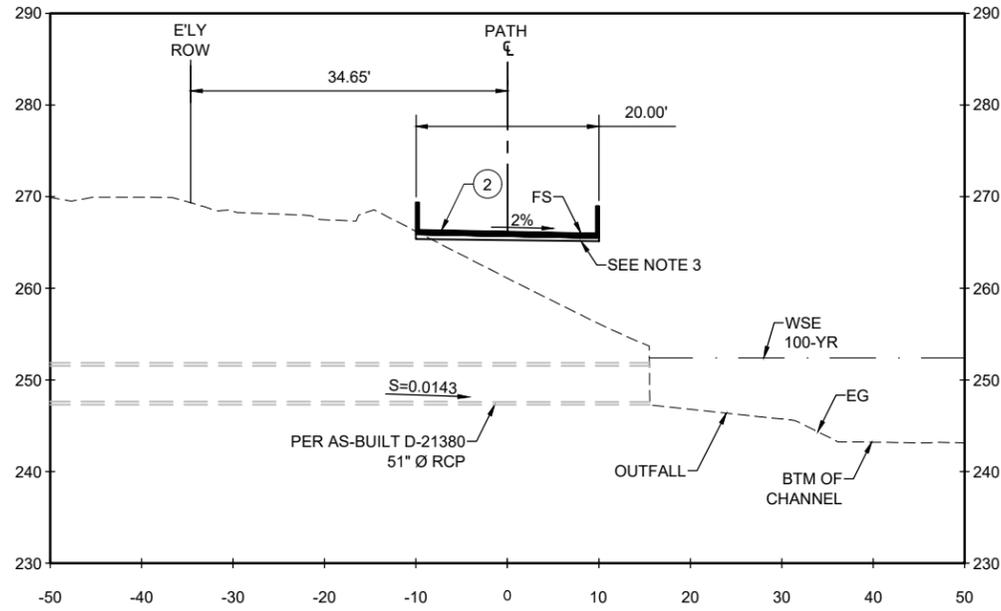
LOS ANGELES RIVER PATH
PROJECT

TYPICAL CANTILEVERED STRUCTURE
ALTERNATIVE 2:
CAST-IN-PLACE SLAB STRUCTURE

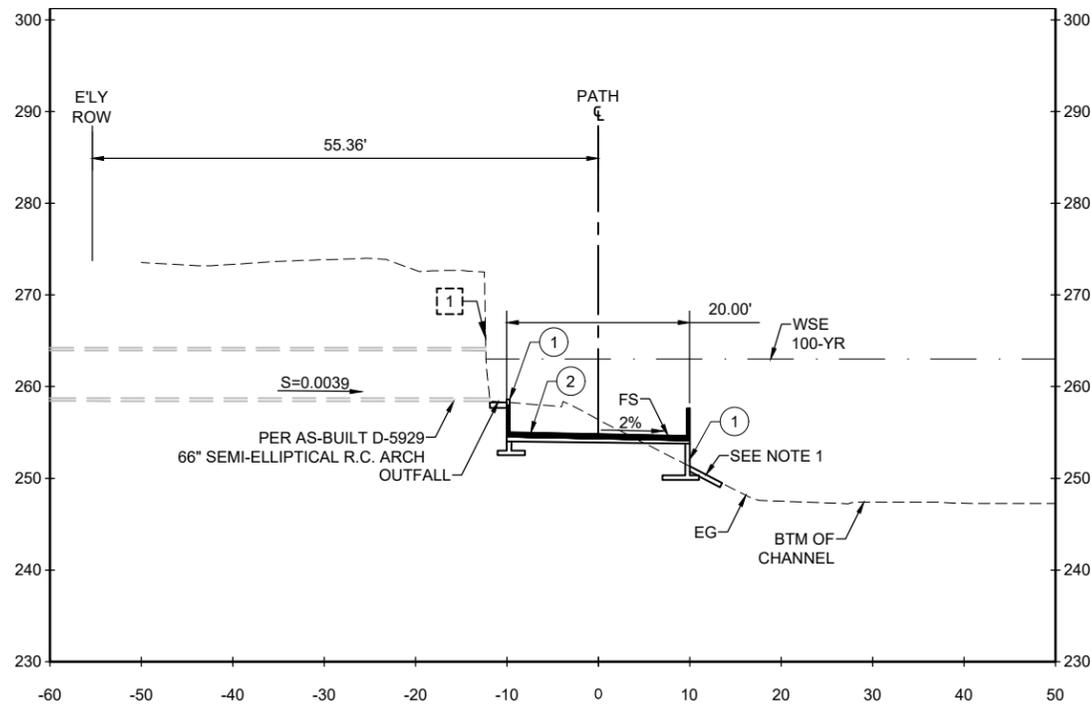
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DRAWING NO LAR-BR11-ALT02-01	
SCALE AS SHOWN	
SHEET NO 39 OF 69	



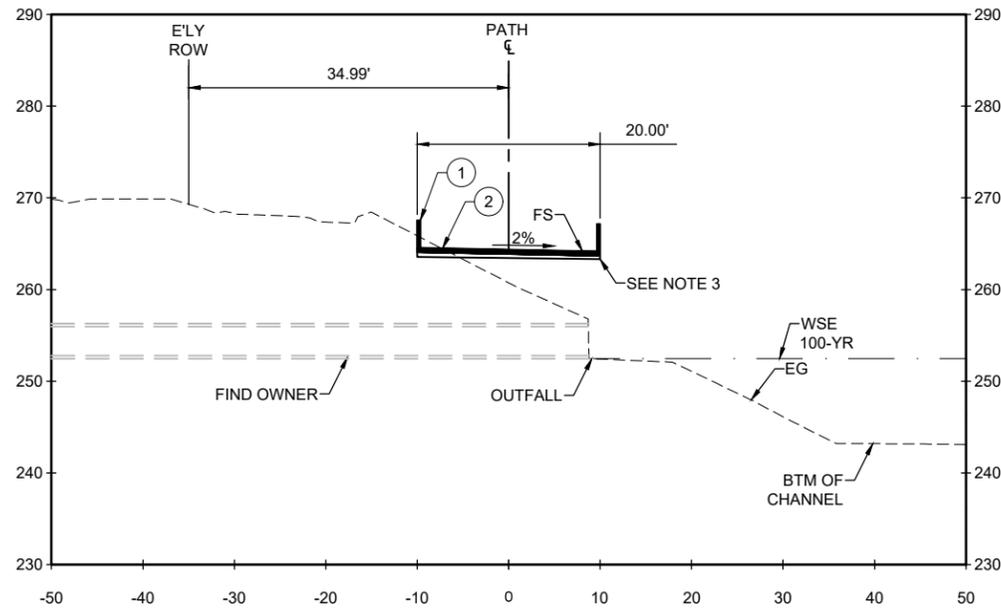
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SCALE: 1" = 10' CX-101



INCISED - HIGH: C/L 01A-140, STA 29+54.61 (C)
SCALE: 1" = 10' CX-101



INCISED - LOW: C/L 01A-140, STA 19+20.00 (B)
SCALE: 1" = 10' CX-101



INCISED - HIGH: C/L 01A-140, STA 29+64.52 (D)
SCALE: 1" = 10' CX-101

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 3. STRUCTURE REQUIRED TO SPAN OUTFALL.
 4. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAIN LINES REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 5. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

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CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

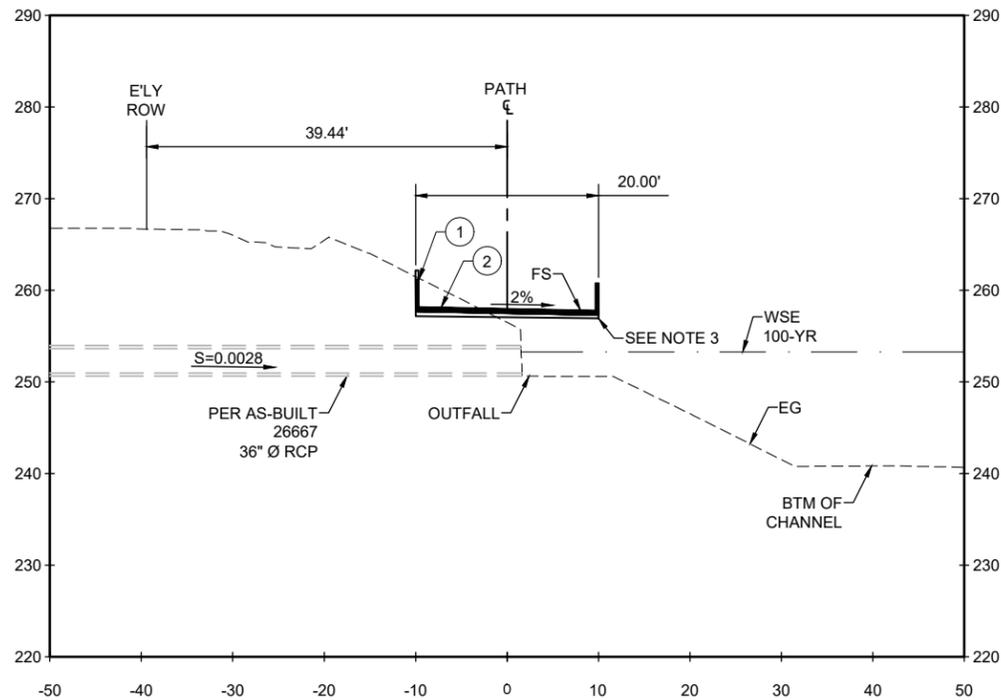
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

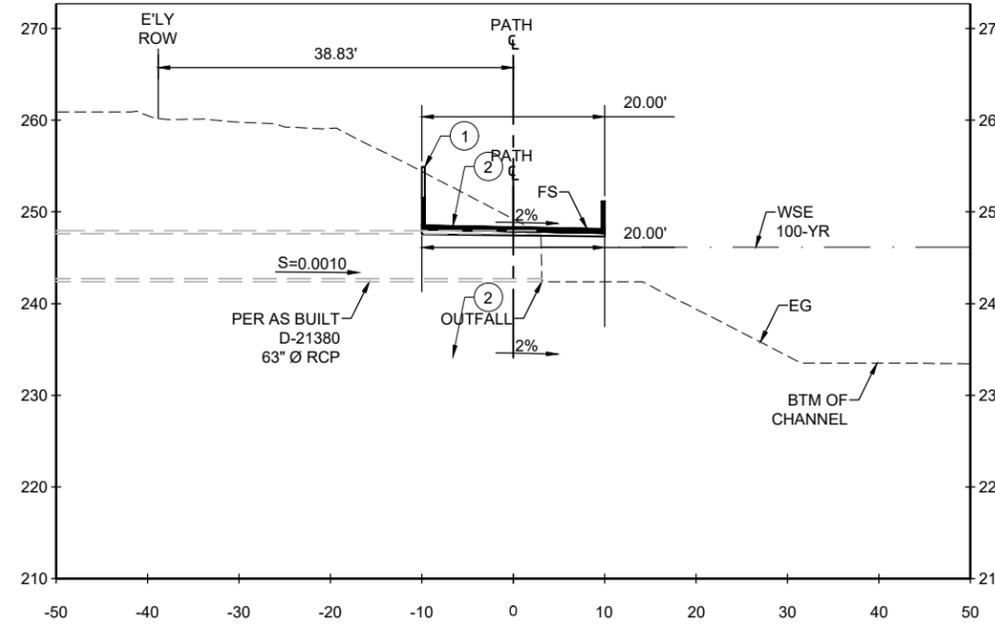
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH PROJECT
 PROPOSED PROJECT
 INCISED PATH
 OUTFALL SECTIONS - SHEET 1

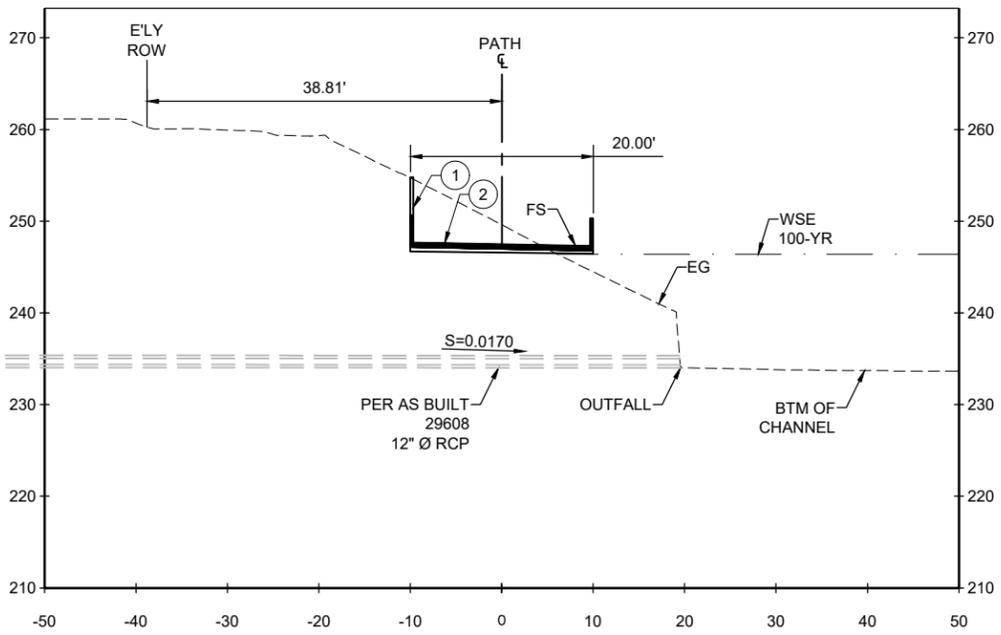
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DRAWING NO CX-102	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 41 OF 69	



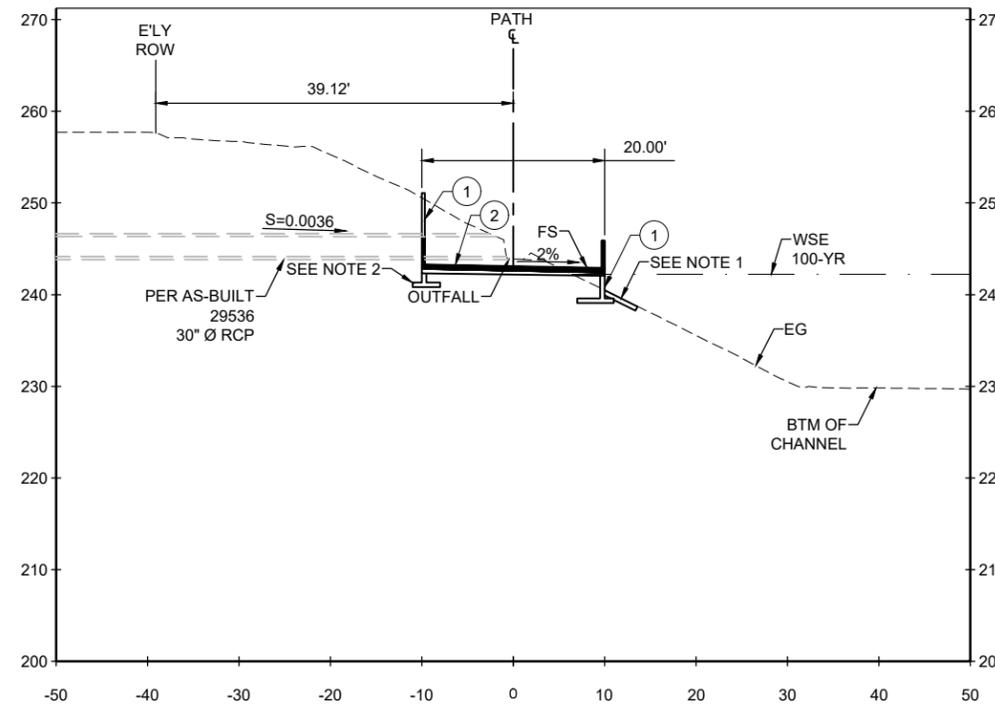
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SCALE: 1" = 10'



INCISED - MID: C/L 01A-150, STA 10+17.33 (G)
SCALE: 1" = 10'



INCISED - MID: C/L 01A-150, STA 9+69.11 (F)
SCALE: 1" = 10'



INCISED - MID: C/L 01A-150, STA 18+46.99 (H)
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS

CONSTRUCTION ITEMS		
ITEM NO.	DESCRIPTION	
1	RETAINING WALL	
2	CONCRETE PATH	

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. RETAINING WALL WITH OPENING FOR OUTFALL.
 3. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 4. STRUCTURE REQUIRED TO SPAN OUTFALL.
 5. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAINS LINE REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 6. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\20208091\AR-00A-CX-103.dwg Plot date: 6/9/2021 3:43 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

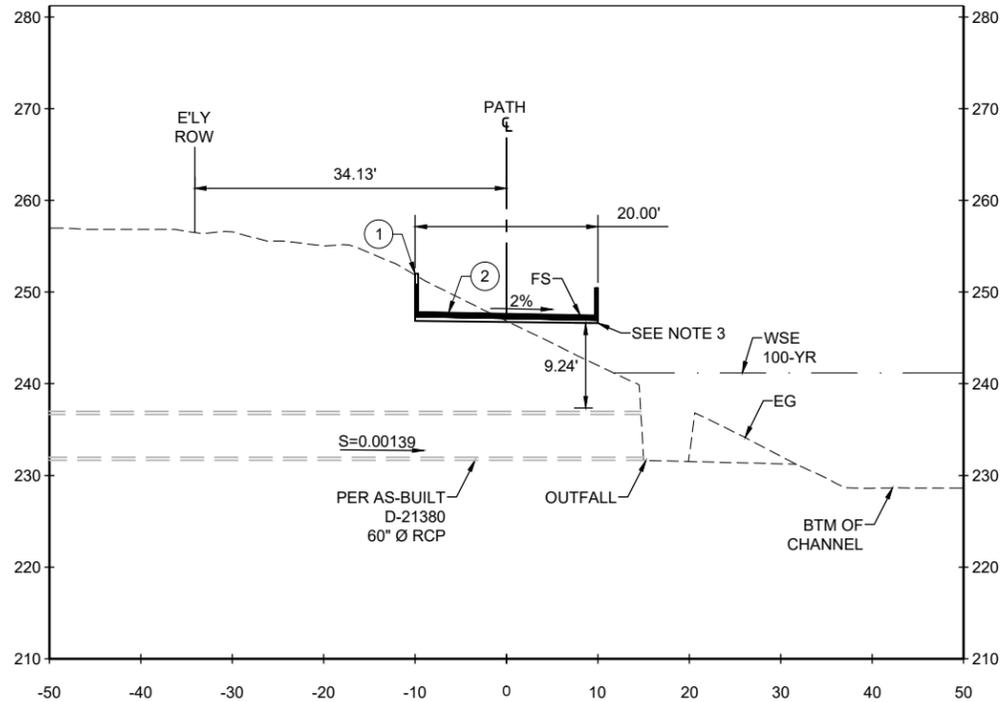
DESIGNED BY
A. MARTINEZ
DRAWN BY
T. BLEYLE
CHECKED BY
J. TISCARENO
IN CHARGE
A. MOTA
DATE
6/15/2021

Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

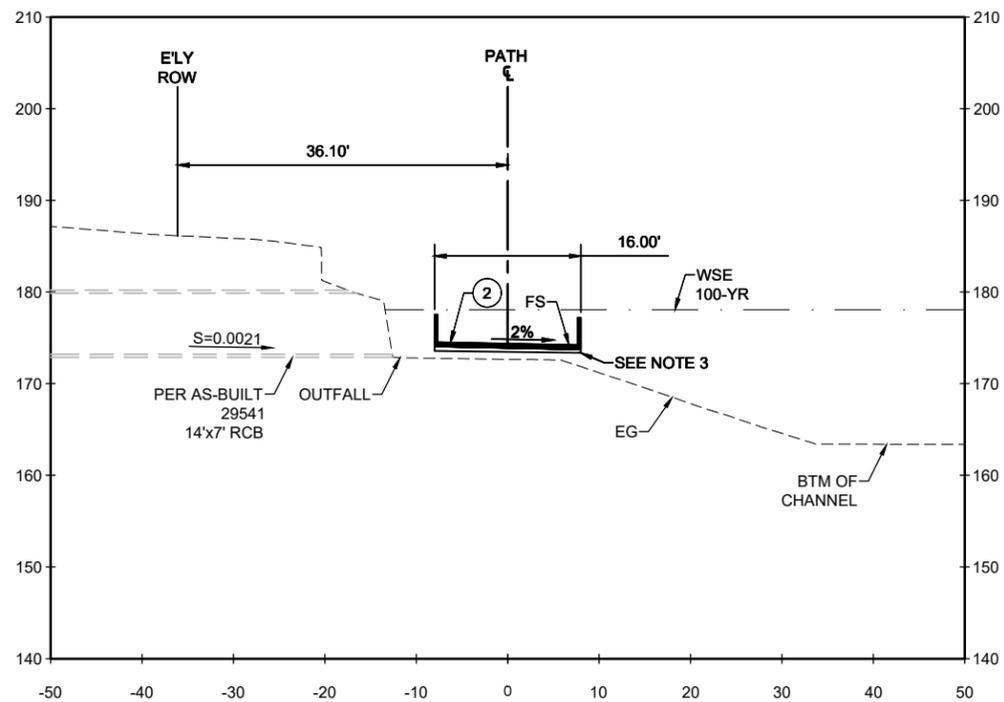
THE JACOBS ALTA TEAM MAEngineering

LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT
INCISED PATH
OUTFALL SECTIONS - SHEET 2

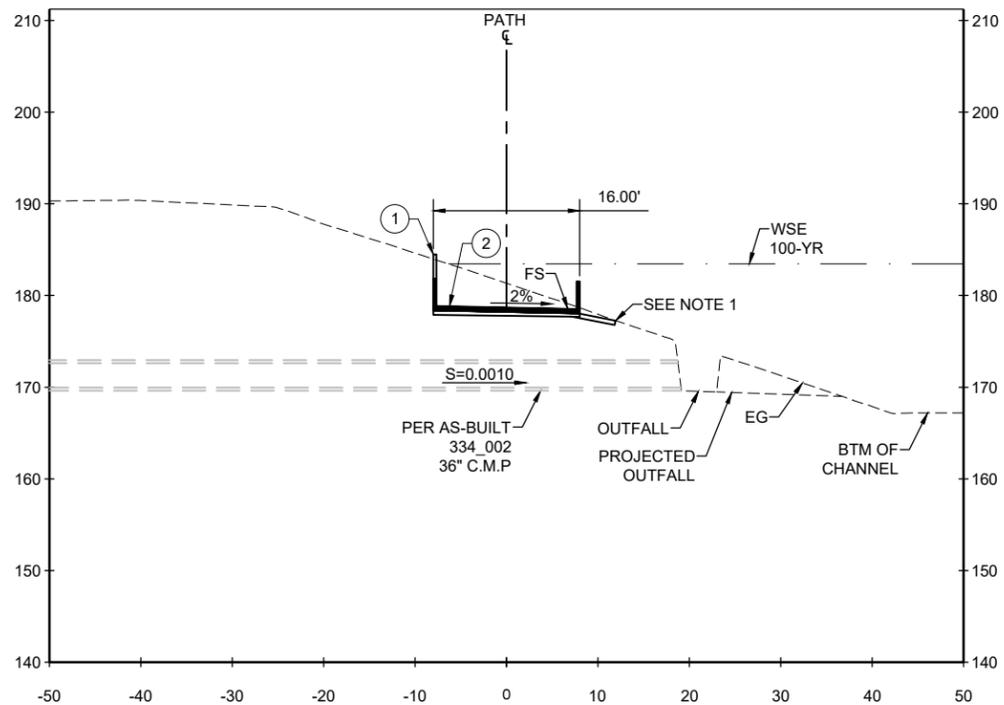
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DRAWING NO.	REV
CX-103	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO.	42 OF 69



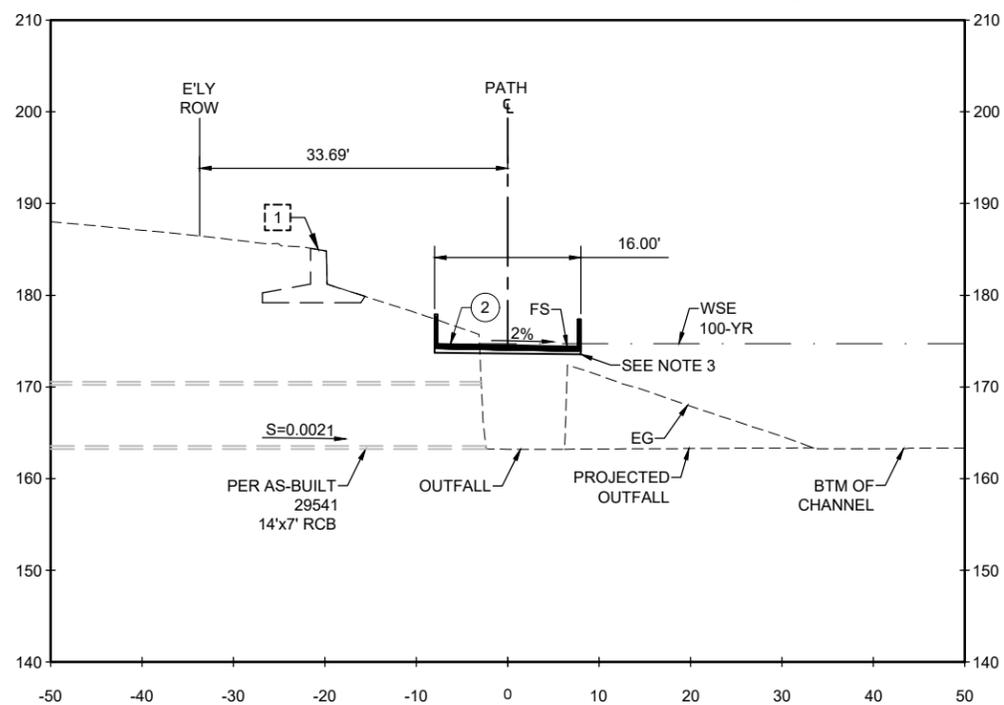
INCISED - MID: C/L 01A-150, STA 20+83.96
 SCALE: 1" = 10' **I** CX-101



INCISED - MID: C/L 02A-130, STA 42+10.95
 SCALE: 1" = 10' **K** CX-101



INCISED - MID: C/L 02A-130, STA 39+32.76
 SCALE: 1" = 10' **J** CX-101



INCISED - MID: C/L 02A-130, STA 42+51.85
 SCALE: 1" = 10' **L** CX-101

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 3. STRUCTURE REQUIRED TO SPAN OUTFALL.
 4. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAINS LINE REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 5. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\20200801\AR-00A-CX-104.dwg Plot date: 6/9/2021 3:43 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

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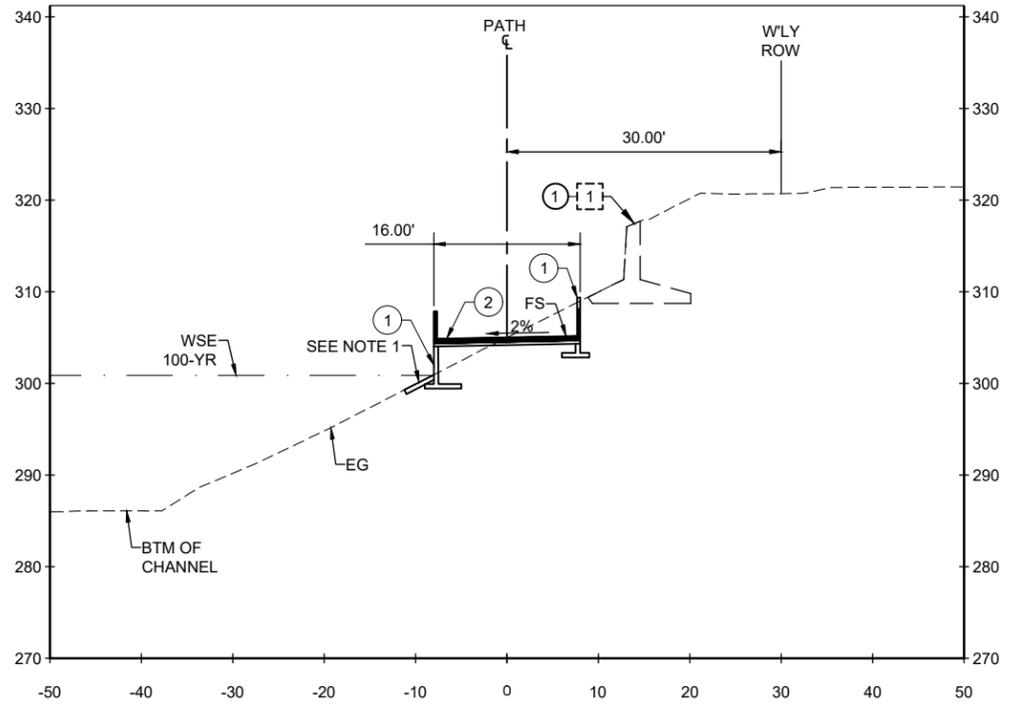
DESIGNED BY
A. MARTINEZ
 DRAWN BY
T. BLEYLE
 CHECKED BY
J. TISCARENO
 IN CHARGE
A. MOTA
 DATE
6/15/2021

Metro LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

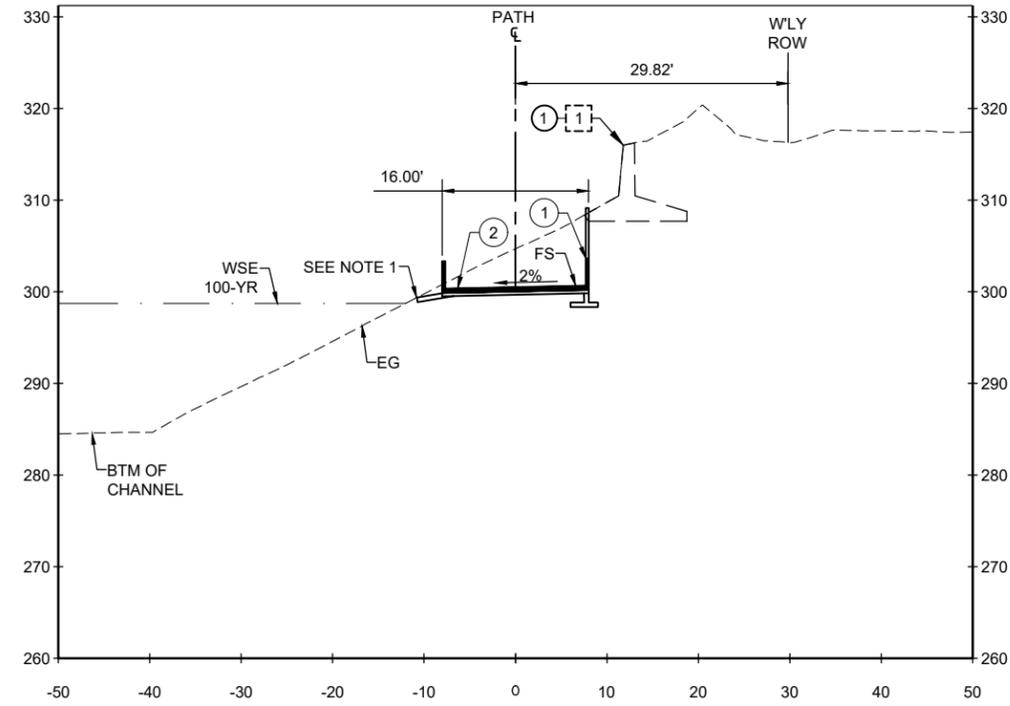
THE JACOBS ALTA TEAM **MAEngineering**

LOS ANGELES RIVER PATH PROJECT
 PROPOSED PROJECT
 INCISED PATH
 OUTFALL SECTIONS - SHEET 3

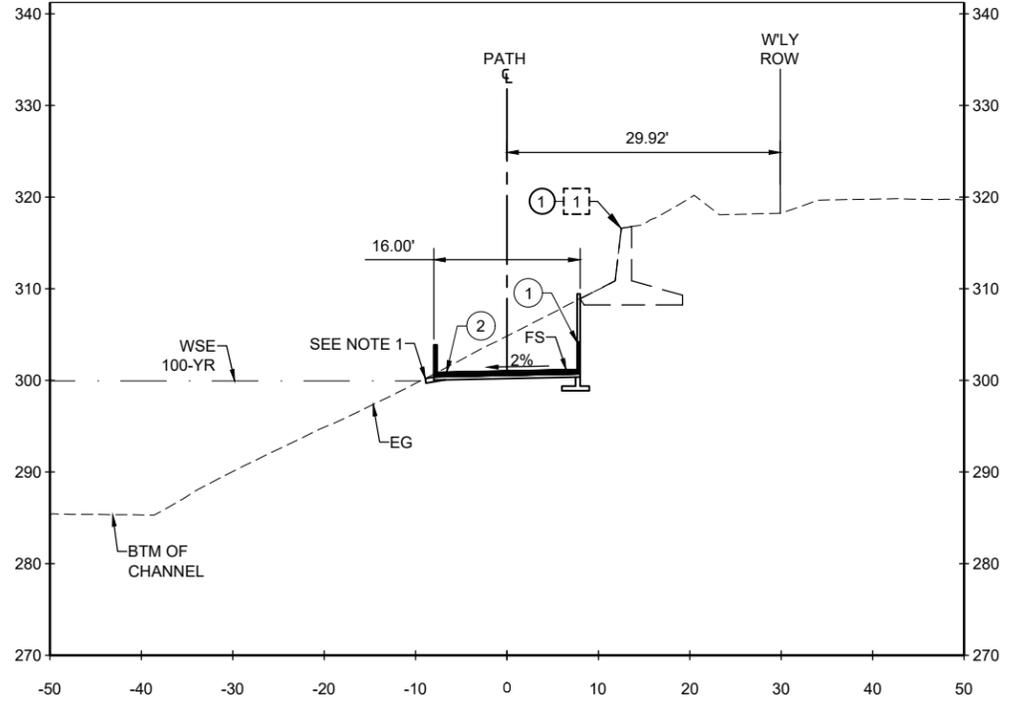
CONTRACT NO	
DRAWING NO	REV
CX-104	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO	43 OF 69



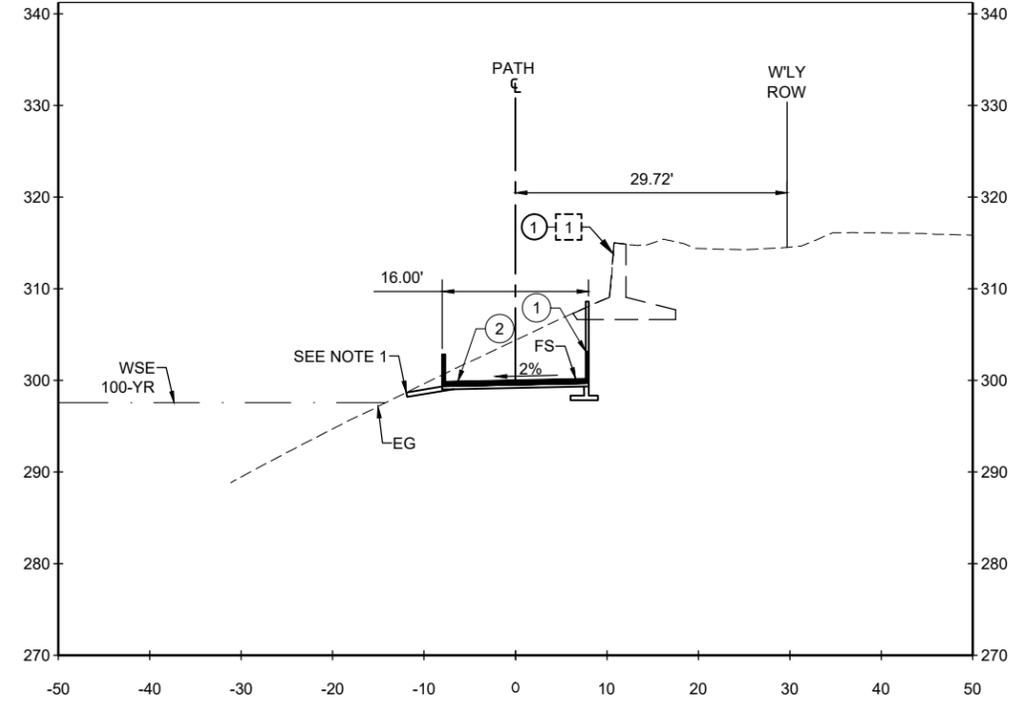
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SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 29+00.00 (O) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 27+00.00 (N) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 31+00.00 (P) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○-□	REMODEL EXISTING
□	EXISTING	□-○	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax-bley\10280805\AR-00A-CX-105.dwg Last saved by: Tanner Bleyle Plot date: 09/20/21 3:44 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

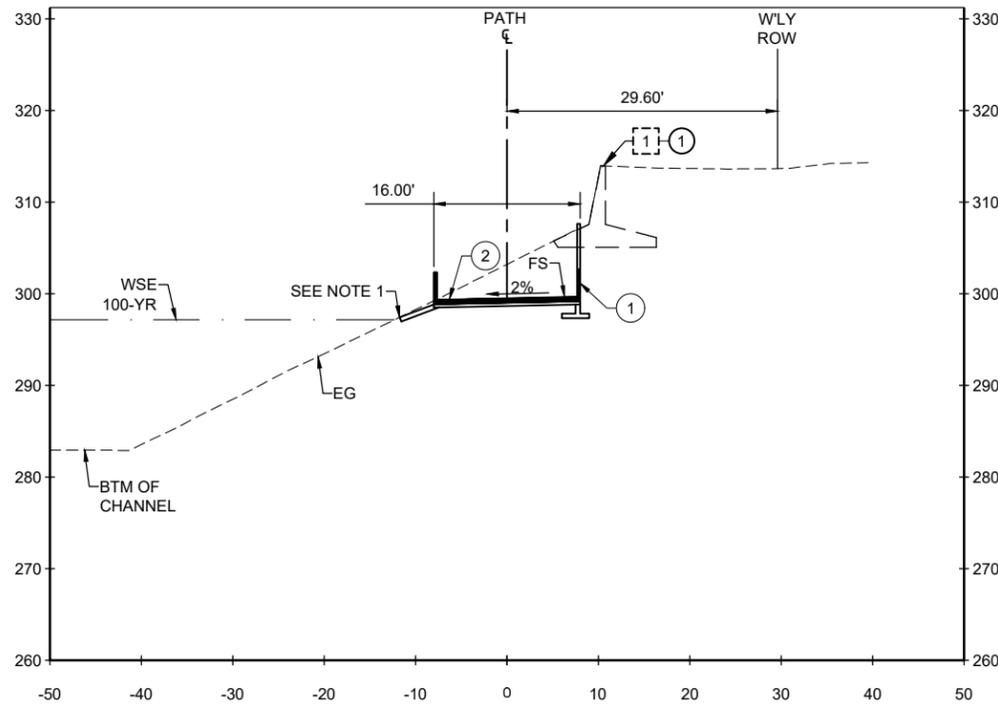
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021


Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

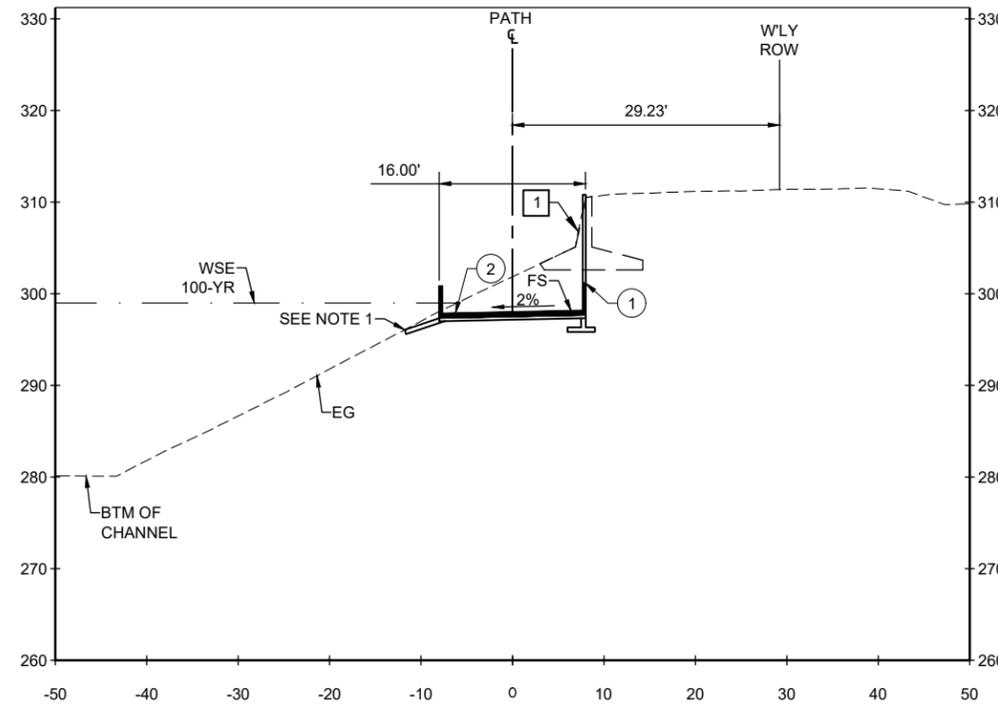


LOS ANGELES RIVER PATH PROJECT
 PROPOSED PROJECT
 INCISED PATH
 SECTIONS - SHEET 1

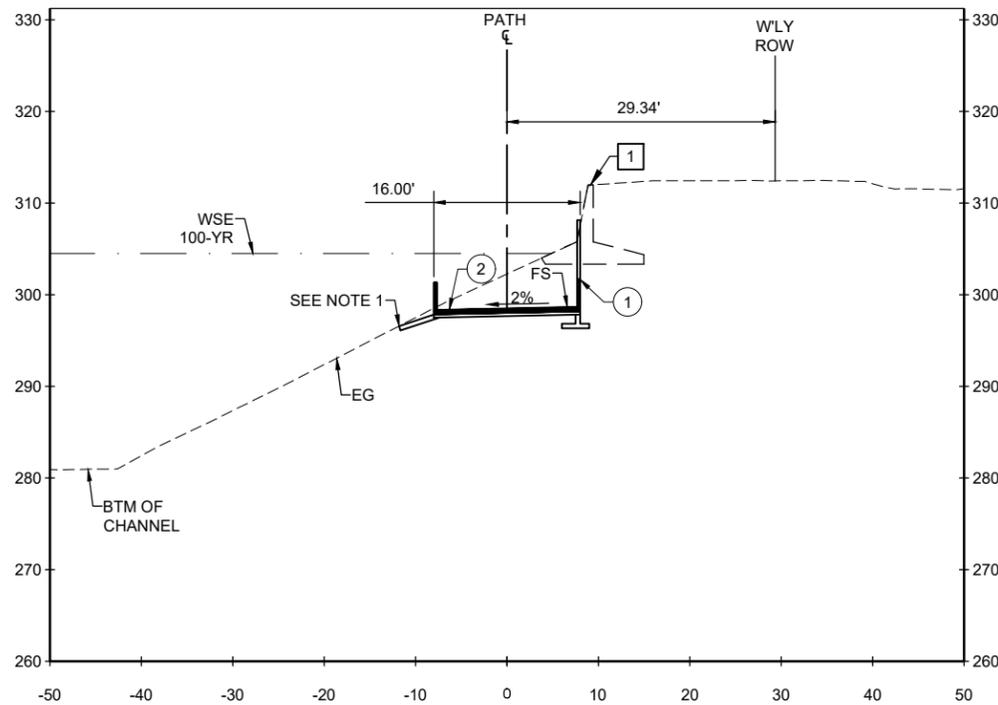
CONTRACT NO.	
DRAWING NO. CX-105	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 44 OF 69	



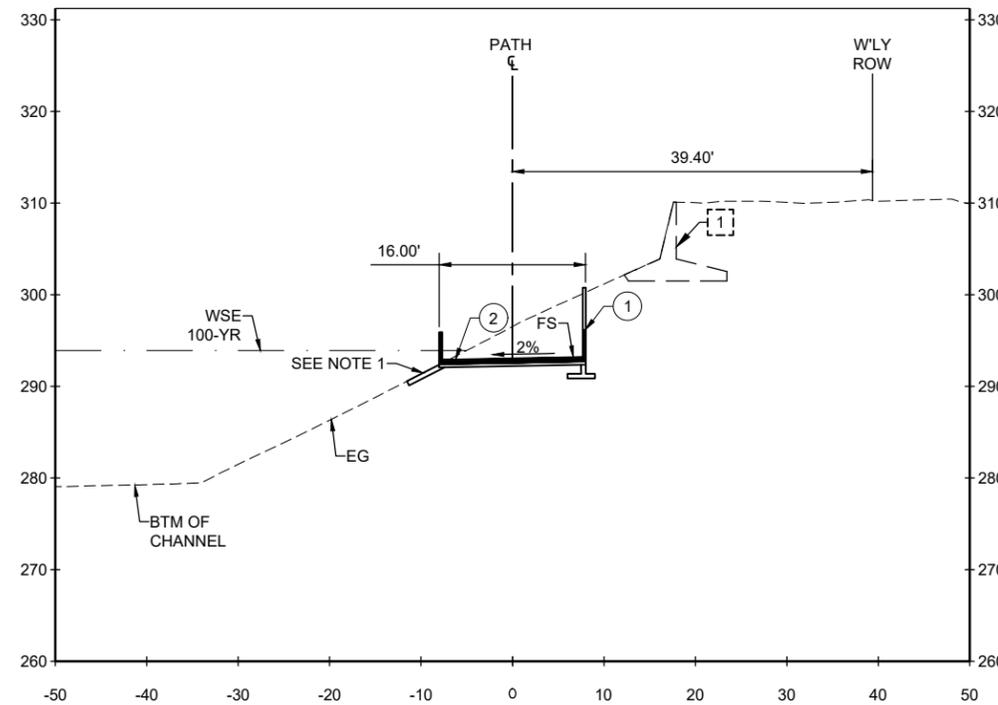
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SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 39+00.00 (S) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 37+00.00 (R) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 41+00.00 (T) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

NOTES:

1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax-bleyyle\0280805\LAR-00A-CX-107.dwg Last saved by: Tanner Bleyyle Plot date: 09/20/21 3:45 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

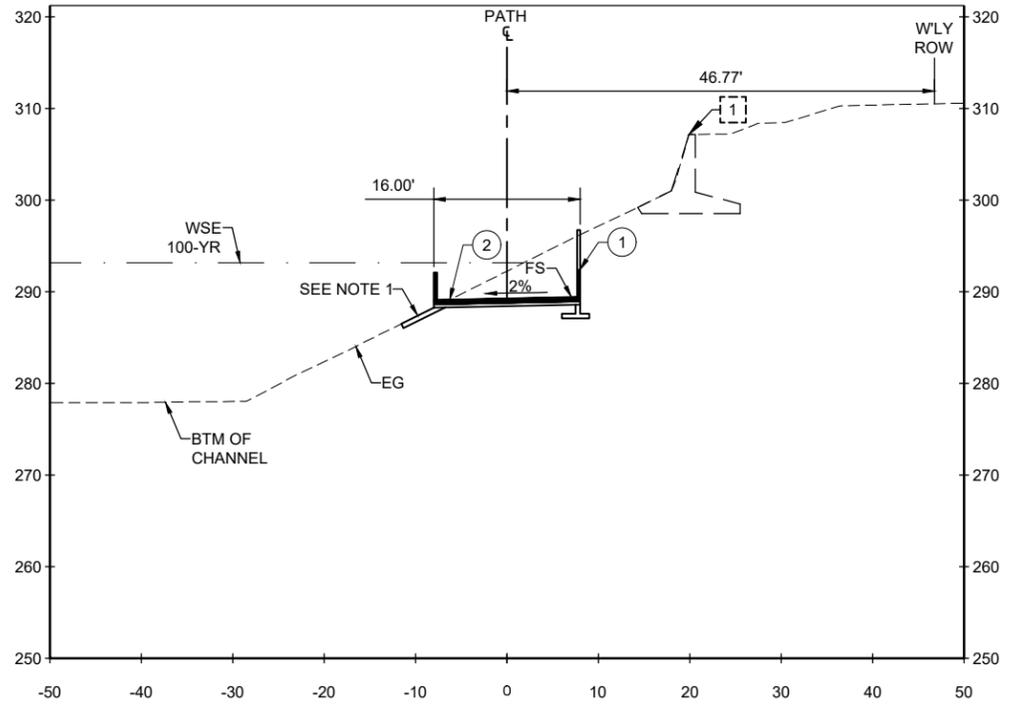
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021



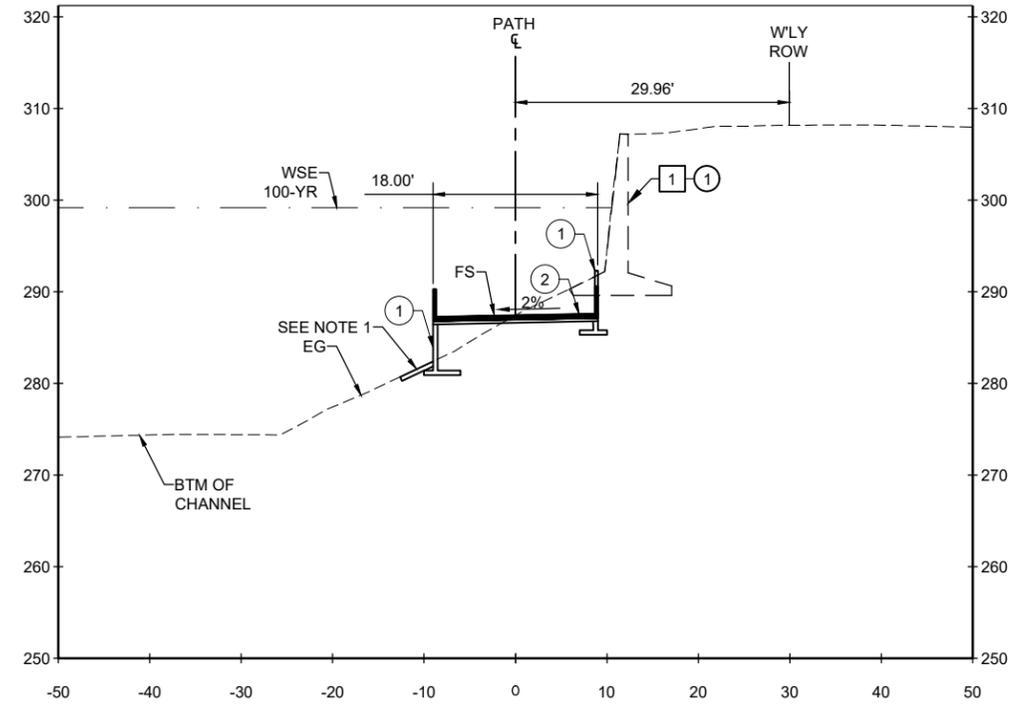
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT INCISED PATH SECTIONS - SHEET 2

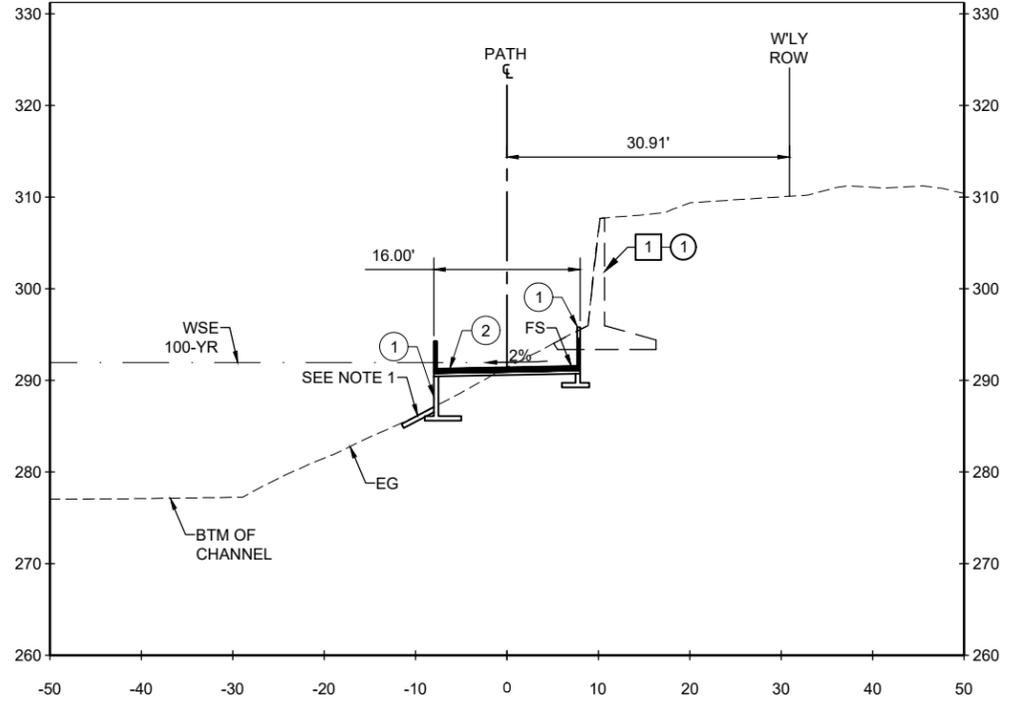
CONTRACT NO	
DRAWING NO CX-106	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 45 OF 69	



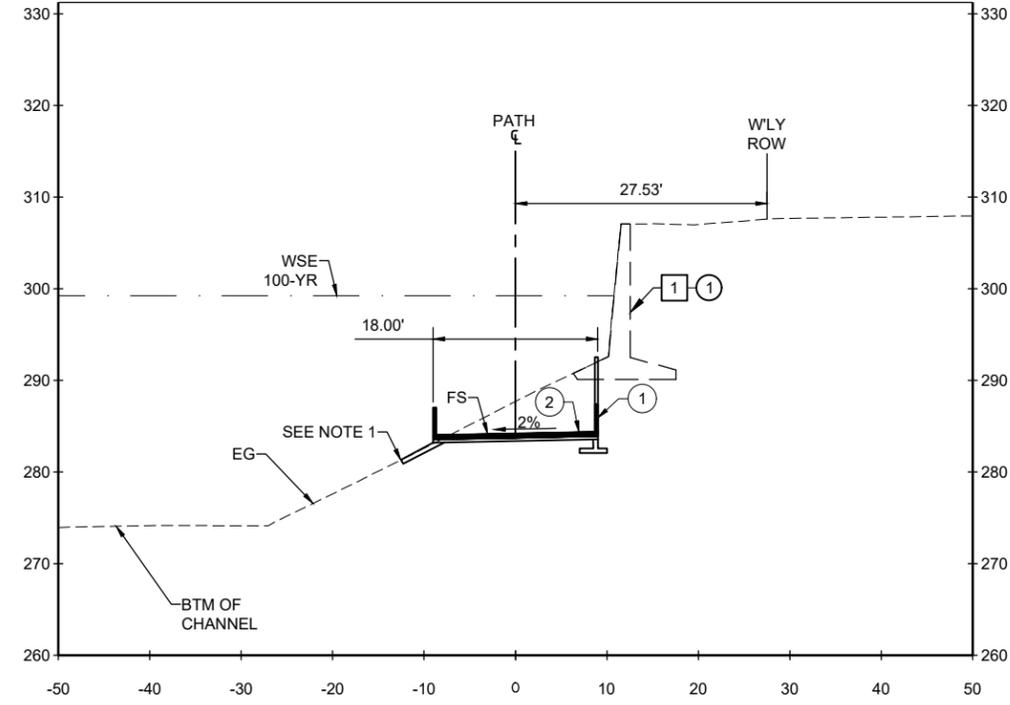
INCISED - MID: C/L 01A-110, STA 44+00.00 (U) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 3+73.03 (W) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-110, STA 46+12.98 (V) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 4+50.00 (X) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax-bley\1028085\AR-00A-CX-108.dwg Plot date: 09/20/21 3:45 PM Plotted by: Tanner Bleyle Last saved by: Tanner Bleyle

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

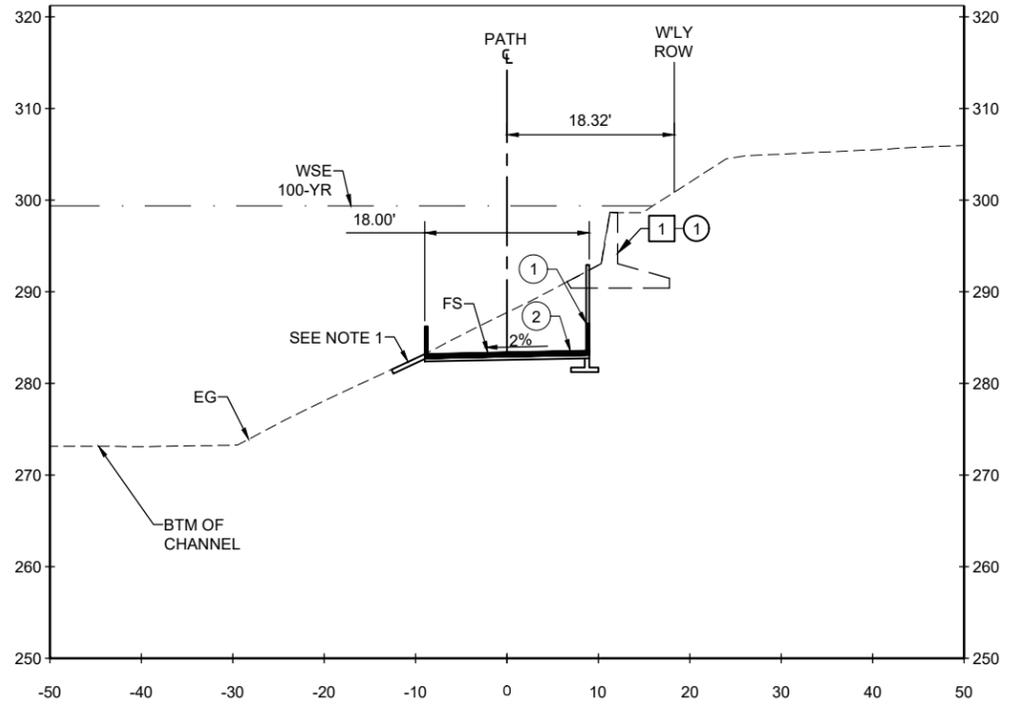
REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
A. MARTINEZ
DRAWN BY
T. BLEYLE
CHECKED BY
J. TISCARENO
IN CHARGE
A. MOTA
DATE
6/15/2021

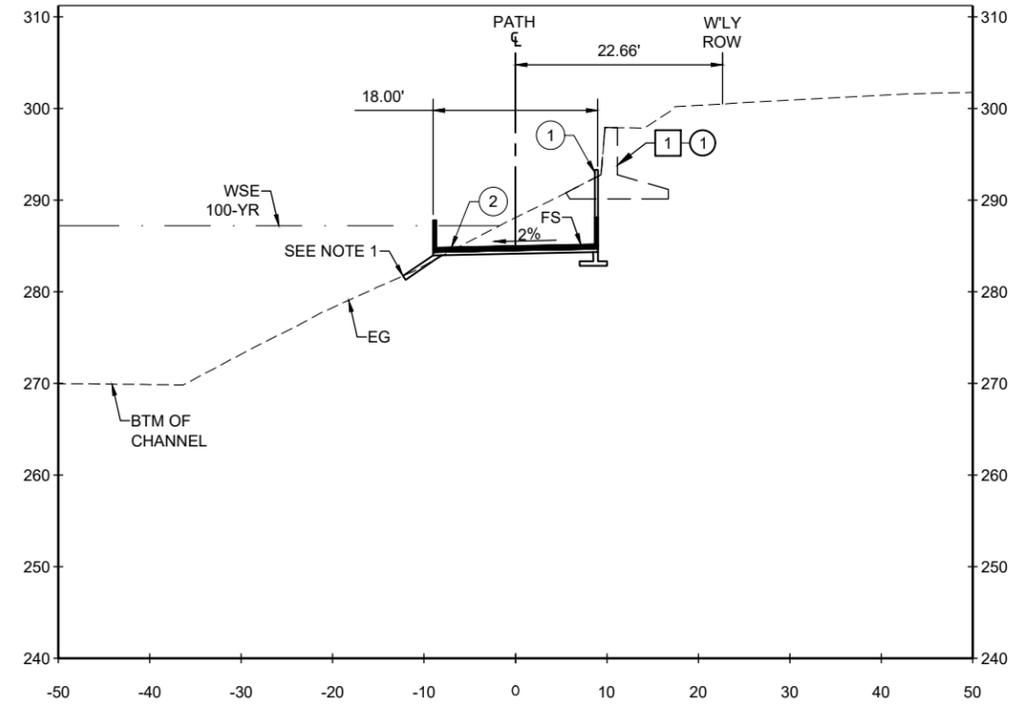
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT
INCISED PATH
SECTIONS - SHEET 3

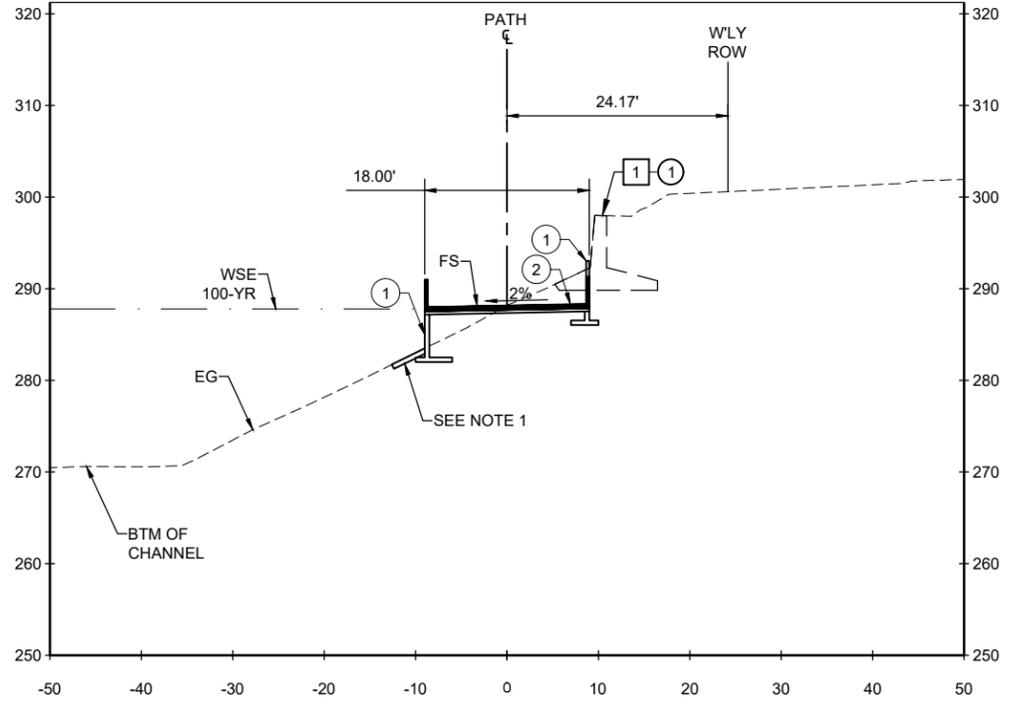
CONTRACT NO	
DRAWING NO	REV
CX-107	
SCALE	VERT: 1" = 10" HORIZ: 1" = 10"
SHEET NO	46 OF 69



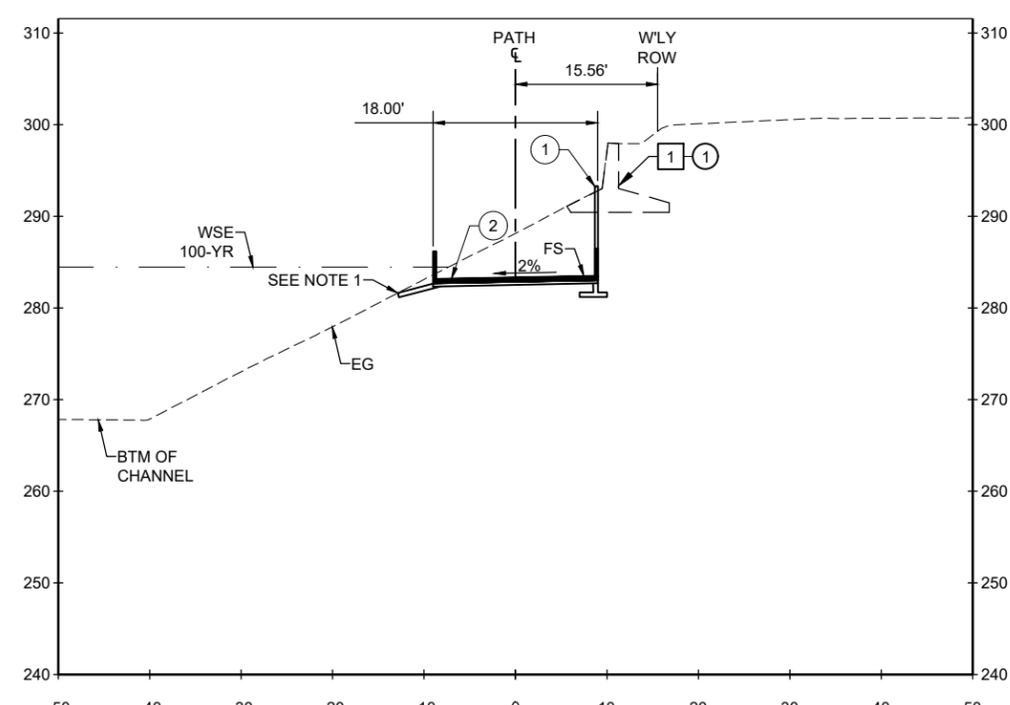
INCISED - MID: C/L 01A-120, STA 6+00.00 (Y) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 13+00.00 (AA) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 11+93.73 (Z) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 18+00.00 (AB) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS

CONSTRUCTION ITEMS		
ITEM NO.	DESCRIPTION	
1	RETAINING WALL	
2	CONCRETE PATH	

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax-bley\10280805\LAR-00A-CX-108.dwg Plot date: 09/20/21 3:46 PM Plobstye table: HALF_BW.CTB

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

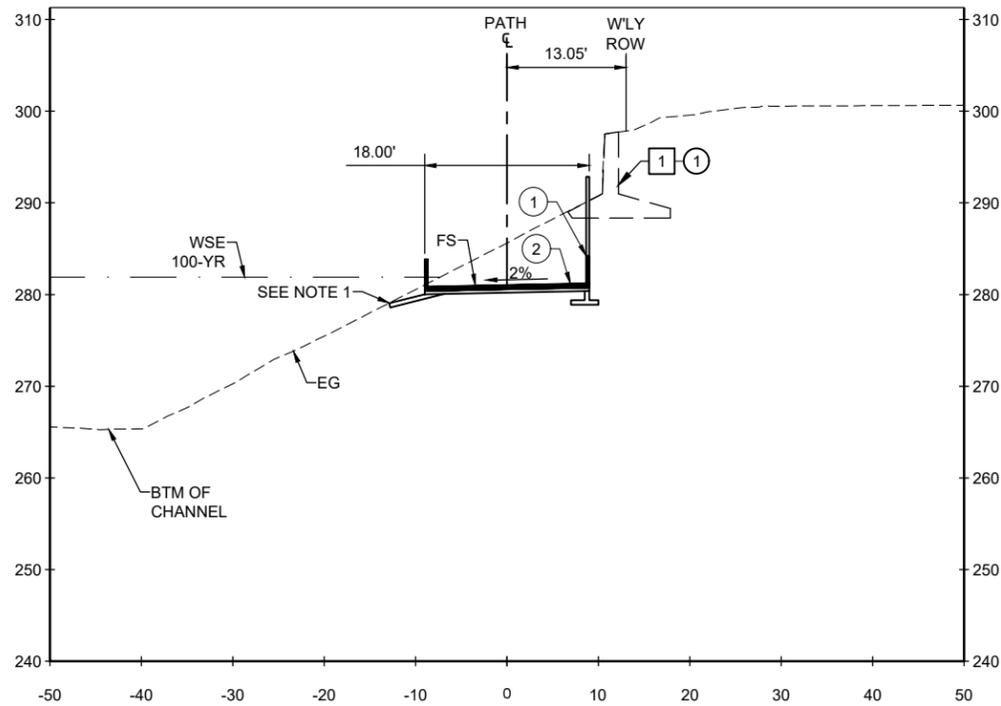
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

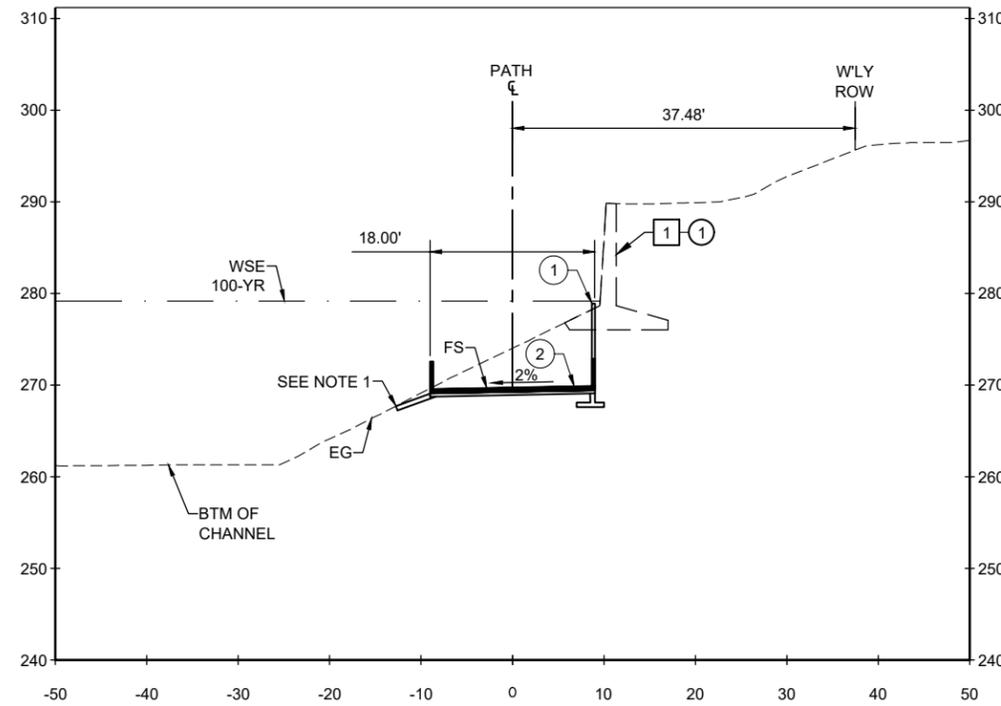


LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT INCISED PATH SECTIONS - SHEET 4

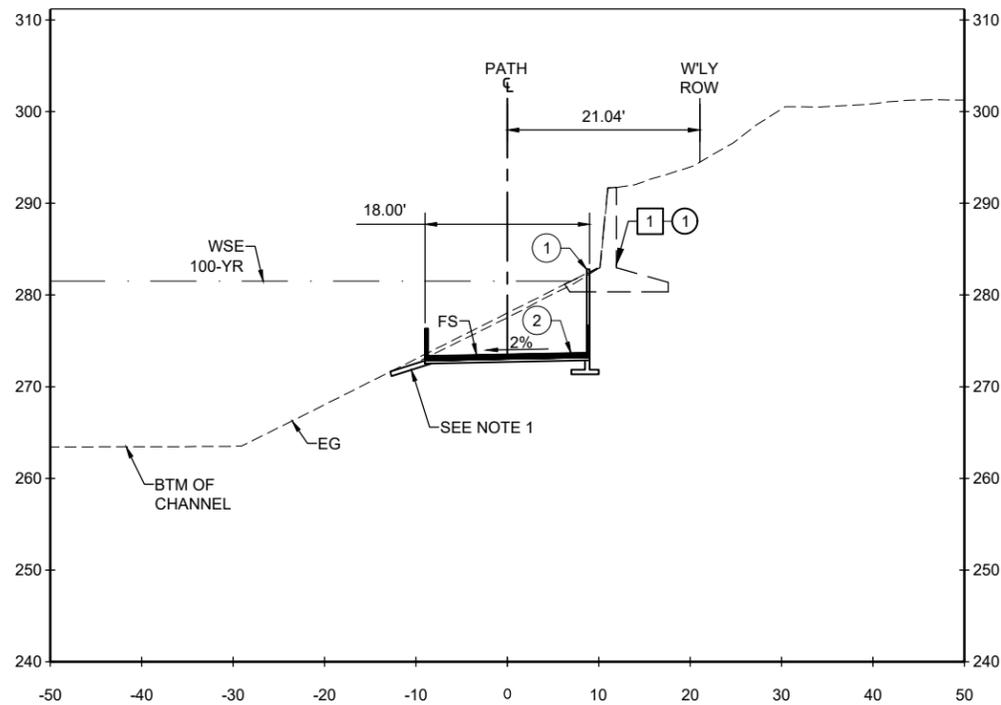
CONTRACT NO	
DRAWING NO CX-108	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 47 OF 69	



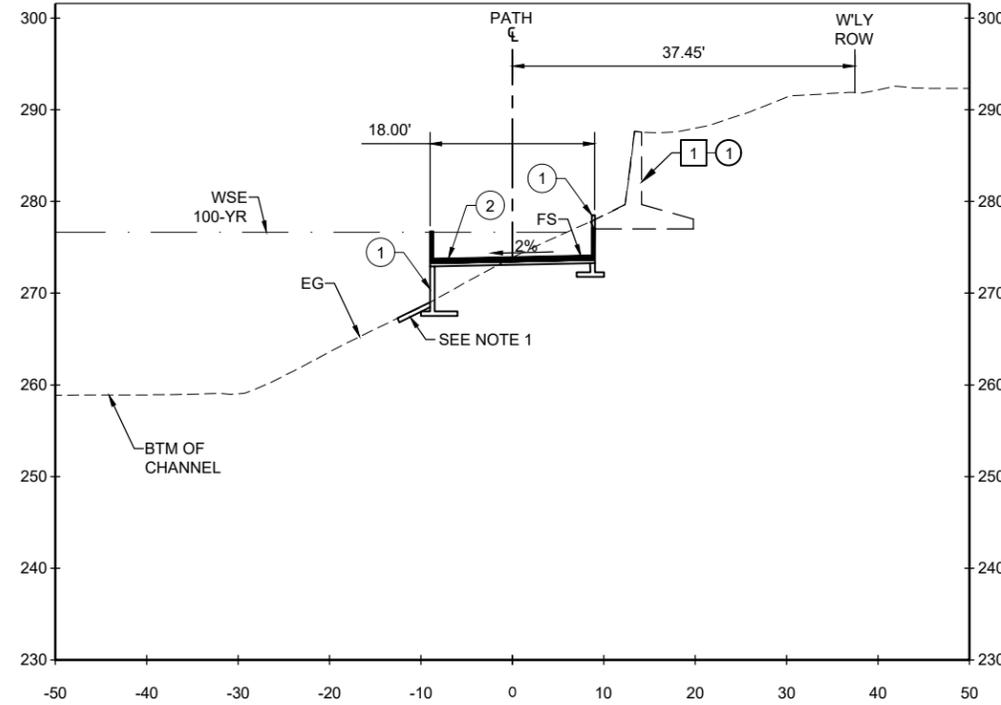
INCISED - MID: C/L 01A-120, STA 23+00.00 (AC) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 33+00.00 (AE) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 28+00.00 (AD) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-120, STA 38+06.51 (AF) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
⊠	EXISTING	⊠	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\wv_work\den03\fig_ax-bley\0280809\LAR-00A-CX-110.dwg Plot date: 09/20/21 3:46 PM Plotted by: Tanner Bleye Last saved by: Tanner Bleye

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

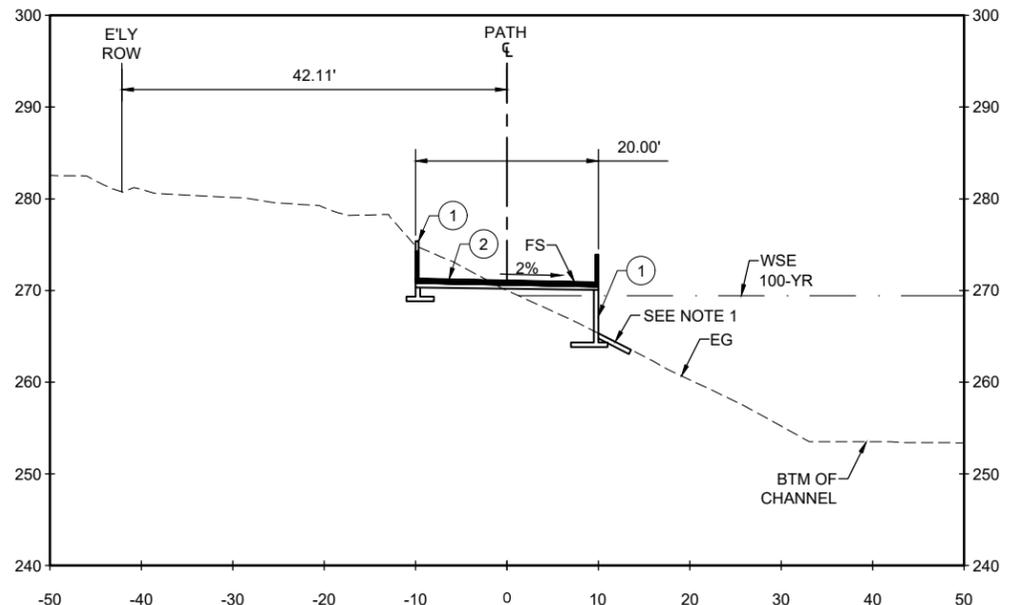
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

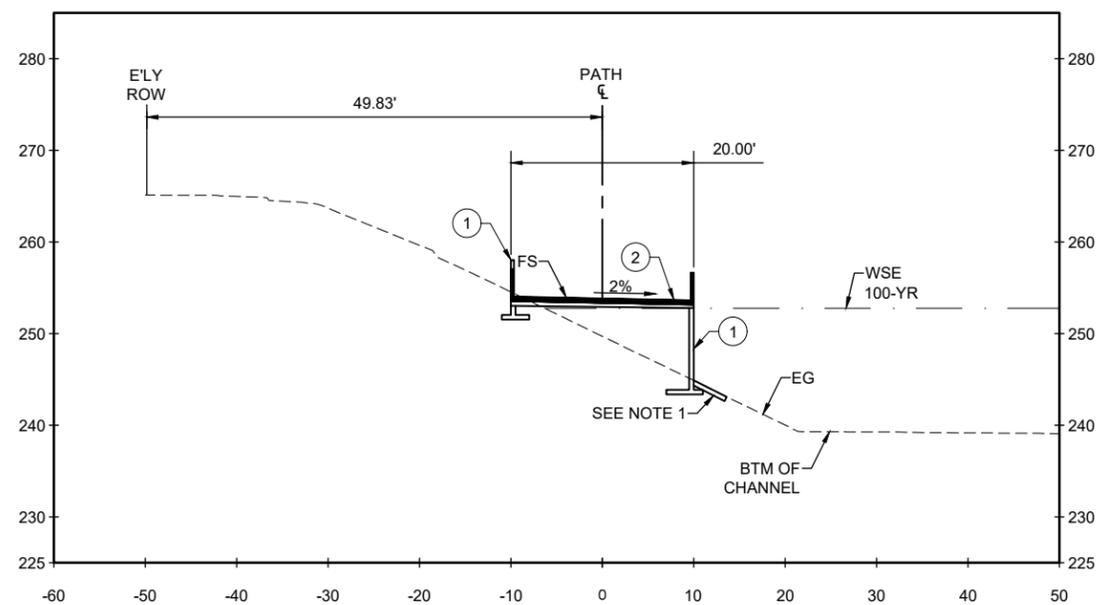
LOS ANGELES RIVER PATH PROJECT

PROPOSED PROJECT INCISED PATH SECTIONS - SHEET 5

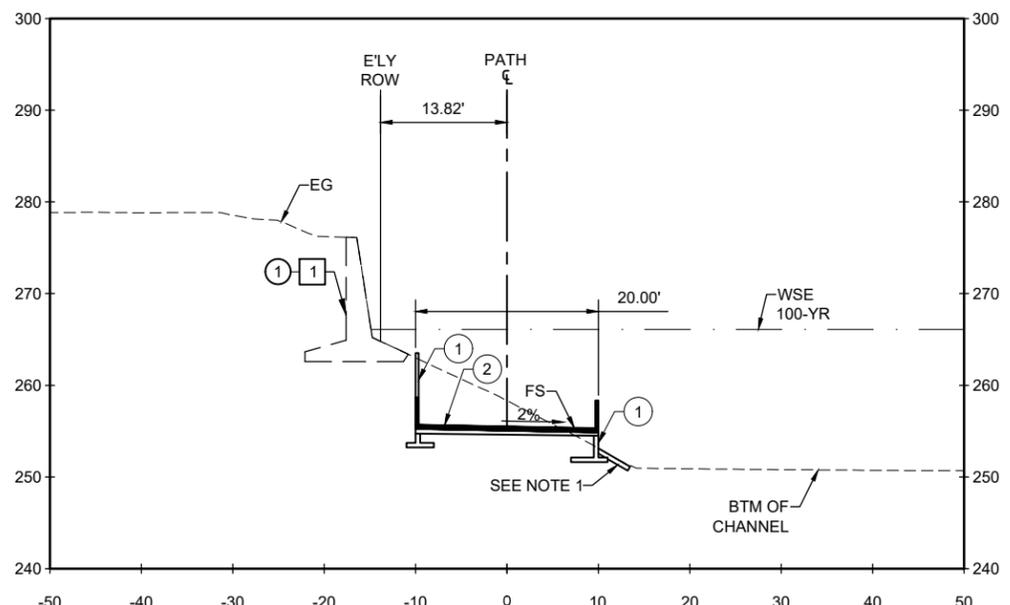
CONTRACT NO	
DRAWING NO CX-109	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 48 OF 69	



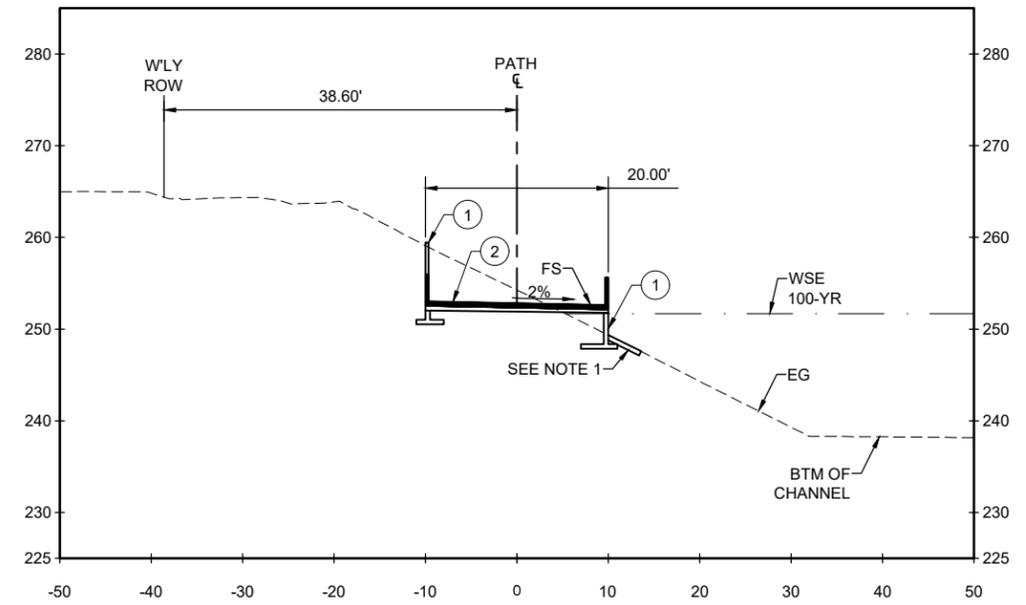
INCISED - MID: C/L 01A-140, STA 6+00.00 (AG) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-140, STA 38+00.00 (AI) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-140, STA 12+00.00 (AH) CX-101
SCALE: 1" = 10'



INCISED - MID: C/L 01A-140, STA 40+00.00 (AJ) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
⊠	EXISTING	⊠	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax-bley\11028085\AR-00A-CX-111.dwg Last saved by: Tanner Bleyle Plot date: 09/20/21 3:47 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

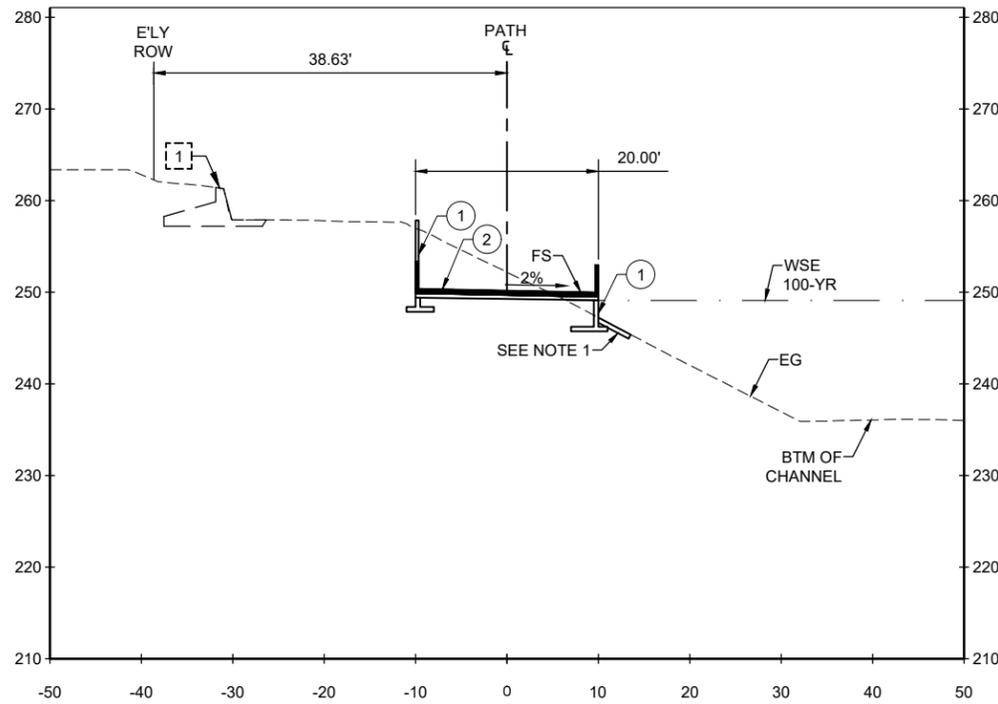


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

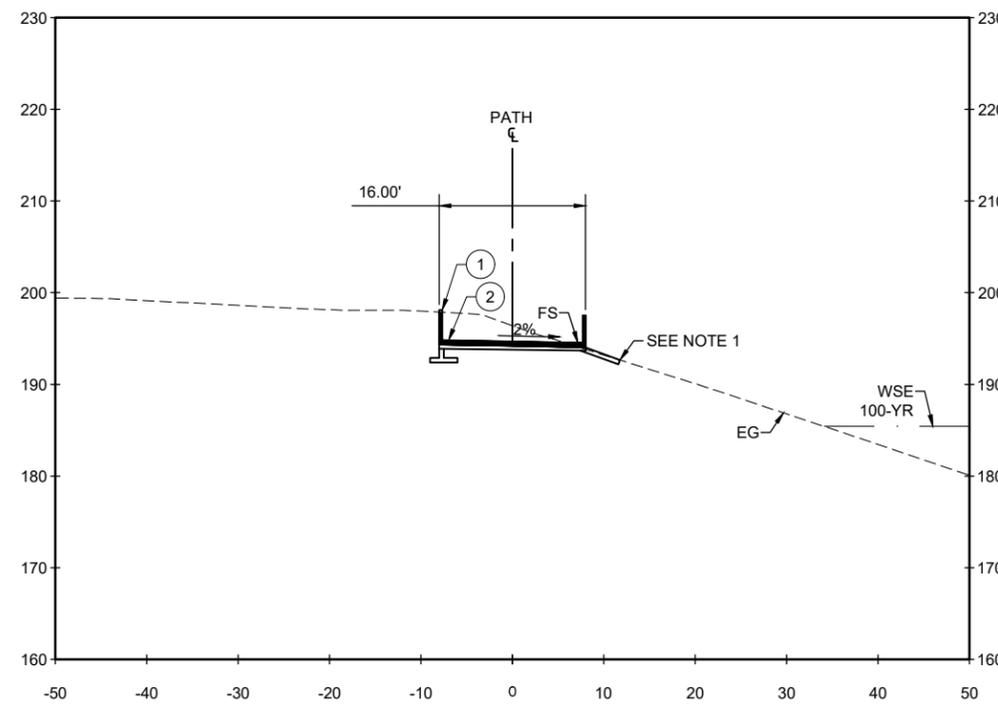


LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT
INCISED PATH
SECTIONS - SHEET 6

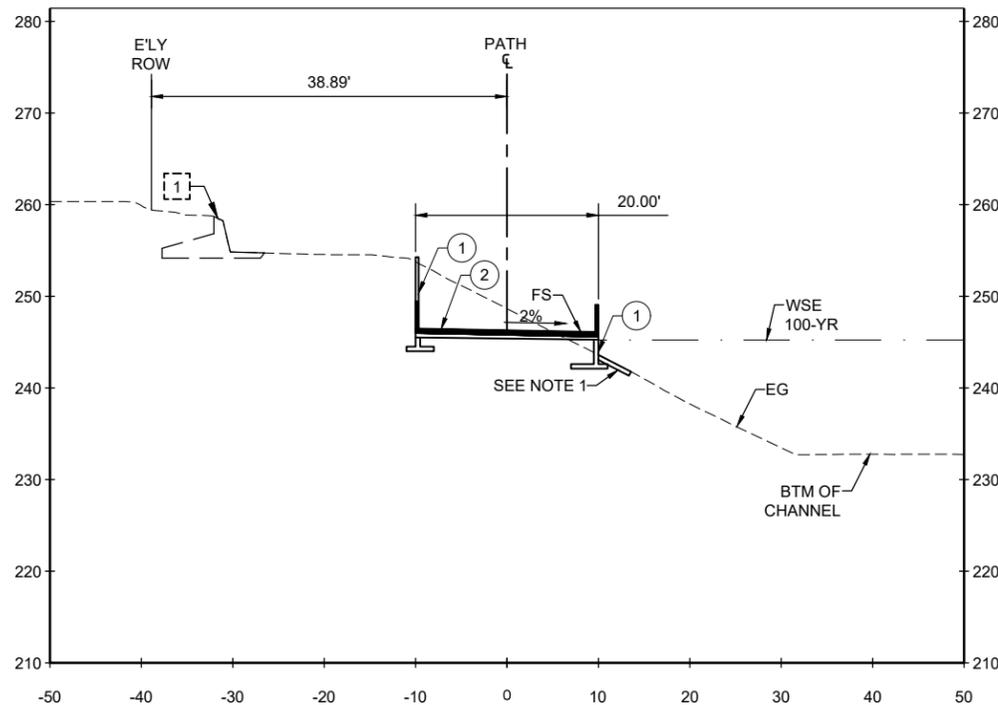
CONTRACT NO	
DRAWING NO CX-110	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 49 OF 69	



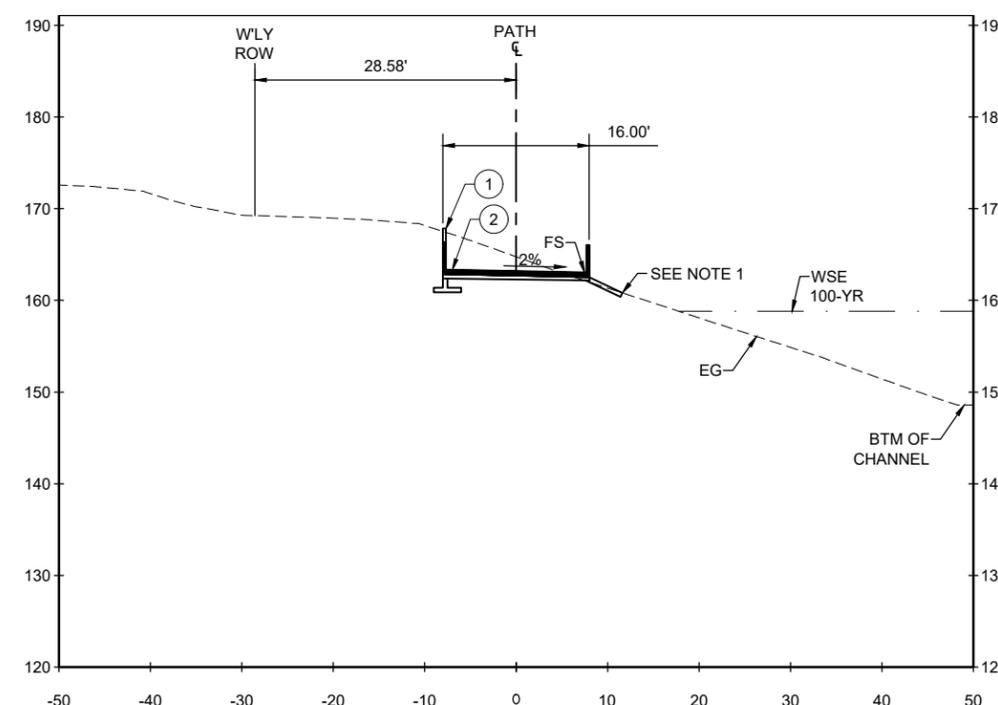
INCISED - MID: C/L 01A-150, STA 4+30.14 **AK**
SCALE: 1" = 10' CX-101



INCISED - MID: C/L 02A-130, STA 10+50.00 **AM**
SCALE: 1" = 10' CX-101



INCISED - MID: C/L 01A-150, STA 12+07.74 **AL**
SCALE: 1" = 10' CX-101



INCISED - HIGH: C/L 02A-140, STA 35+00.00 **AN**
SCALE: 1" = 10' CX-101

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

NOTES:

1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den03\fig_ax\bleyle\0280809\LAR-00A-CX-112.dwg Plot date: 09/20/21 3:48 PM Plotted by: Tanner Bleyly Last saved by: Tanner Bleyly

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

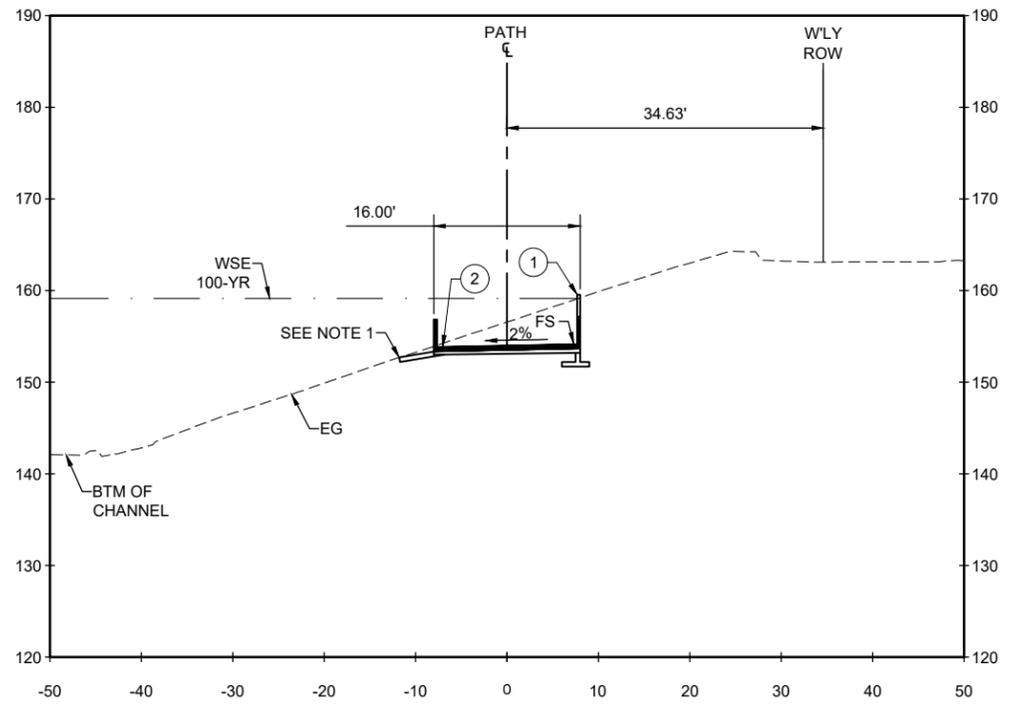
DESIGNED BY	A. MARTINEZ
DRAWN BY	T. BLEYLE
CHECKED BY	J. TISCARENO
IN CHARGE	A. MOTA
DATE	6/15/2021



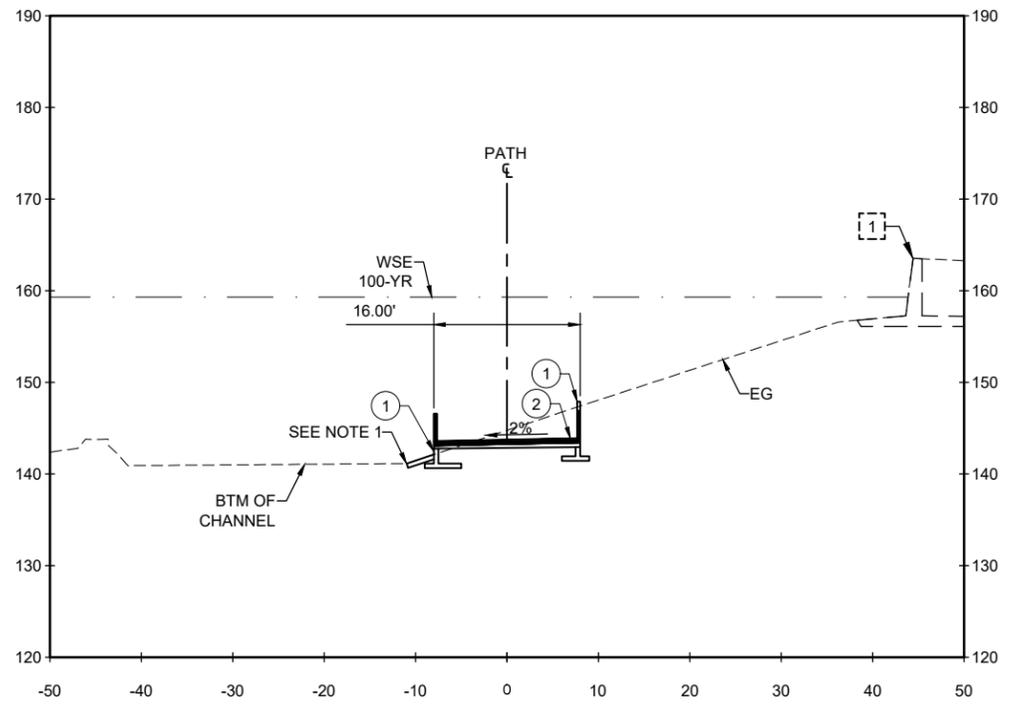
LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH PROJECT
PROPOSED PROJECT INCISED PATH SECTIONS - SHEET 7

CONTRACT NO	
DRAWING NO	REV
CX-111	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO	50 OF 69



INCISED - MID: C/L 02A-160, STA 5+00.00 (AO) CX-101
SCALE: 1" = 10'



INCISED - LOW: C/L 02A-160, STA 10+00.00 (AP) CX-101
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○-□	REMODEL EXISTING
□	EXISTING	□-○	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

Dwg filename: C:\pwworking\den03\fig_ax-bley\10280805\LAR-00A-CX-113.dwg Last saved by: Tanner Bleyle Plot date: 09/20/21 3:48 PM Plot style table: HALF_BW.ctb

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

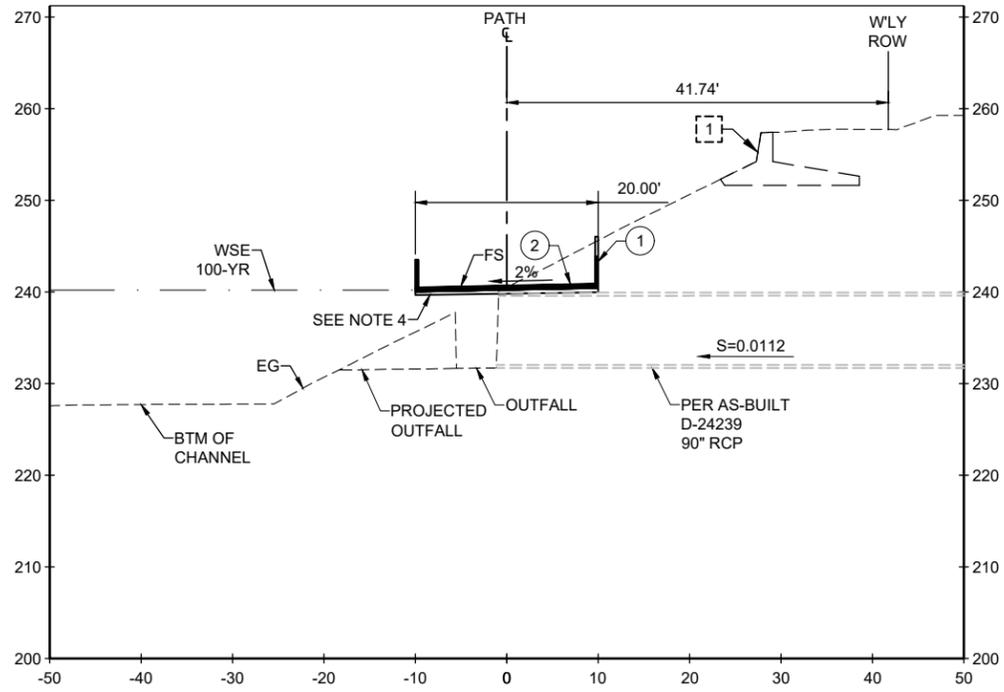
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

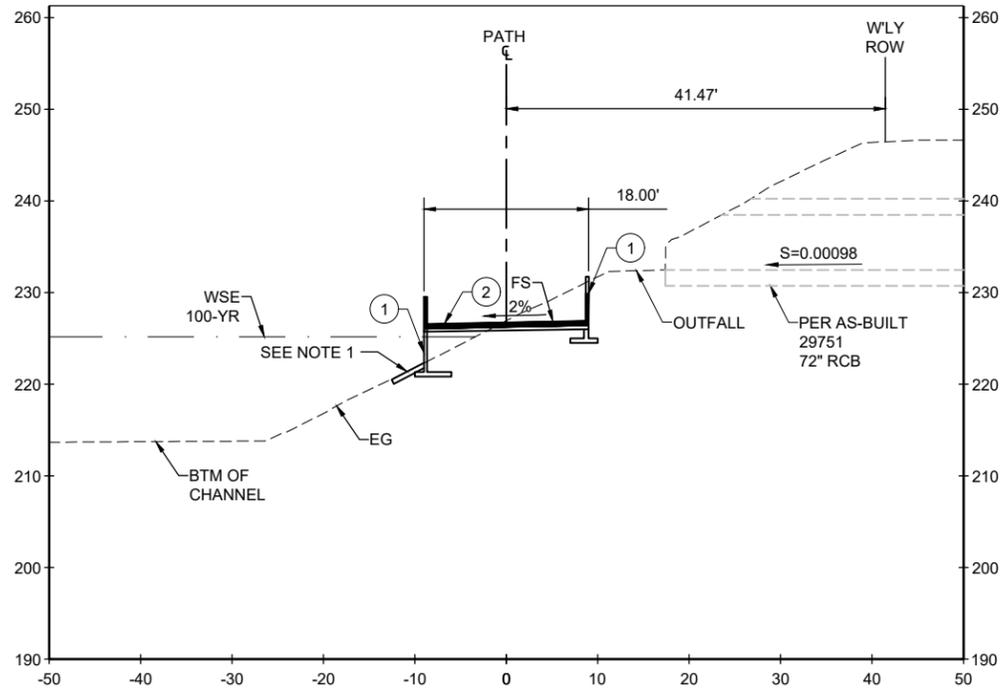
LOS ANGELES RIVER PATH
PROJECT

**PROPOSED PROJECT
INCISED PATH
SECTIONS - SHEET 8**

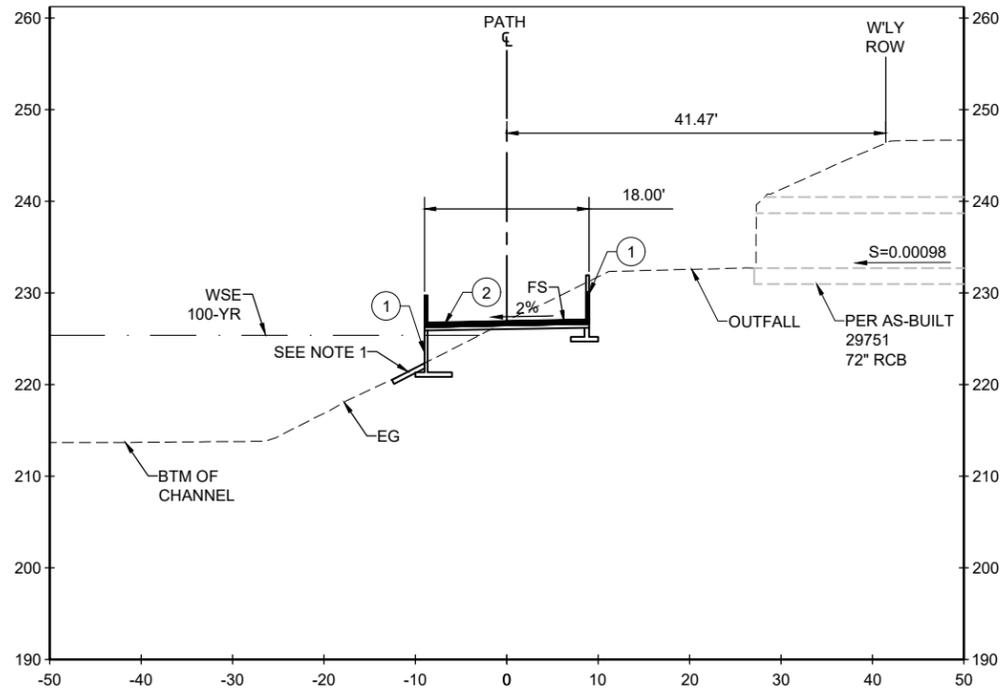
CONTRACT NO	
DRAWING NO CX-112	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO 51 OF 69	



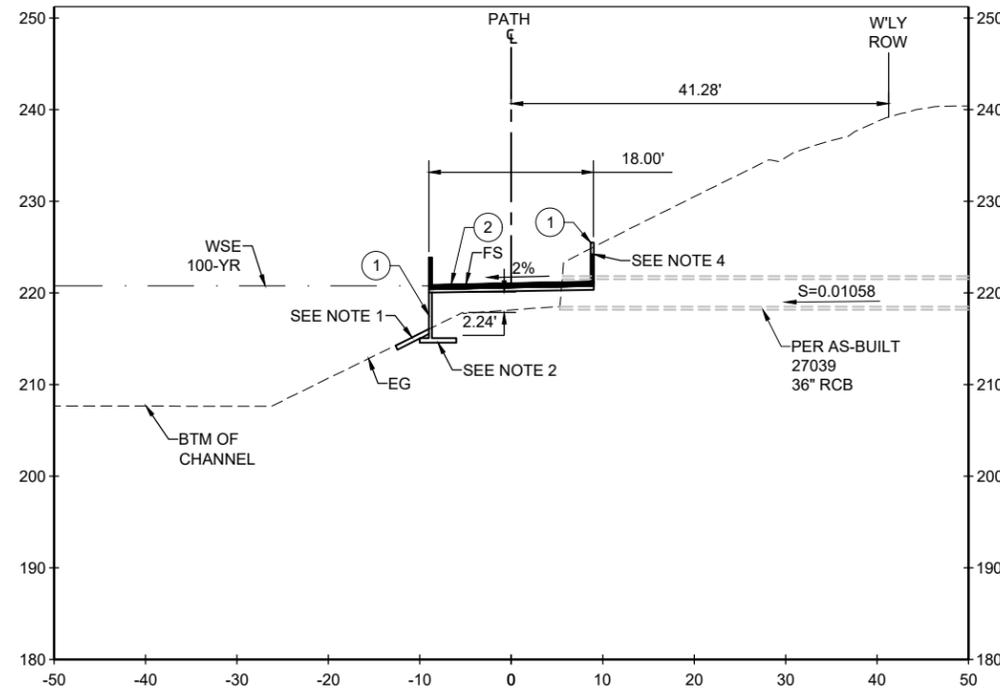
INCISED - MID: C/L 01B-160, STA 17+55.00 (A)
SCALE: 1" = 10' CX-201



INCISED - MID: C/L 01B-160, STA 40+68.00 (C)
SCALE: 1" = 10' CX-201



INCISED - MID: C/L 01B-160, STA 40+57.71 (B)
SCALE: 1" = 10' CX-201



INCISED - MID: C/L 02B-100, STA 15+23.26 (D)
SCALE: 1" = 10' CX-201

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS

CONSTRUCTION ITEMS		
ITEM NO.	DESCRIPTION	
1	RETAINING WALL	
2	CONCRETE PATH	

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. RETAINING WALL WITH OPENING FOR OUTFALL.
 3. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 4. STRUCTURE REQUIRED TO SPAN OUTFALL.
 5. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAIN LINES REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 6. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\03\01\AR-01B-CX-202.dwg, Plot date: 6/9/2021 4:15 PM, Plot style table: HALF_BW.ctb, Last saved by: Tanner Bleyle, File date: 6/9/2021 4:15 PM

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

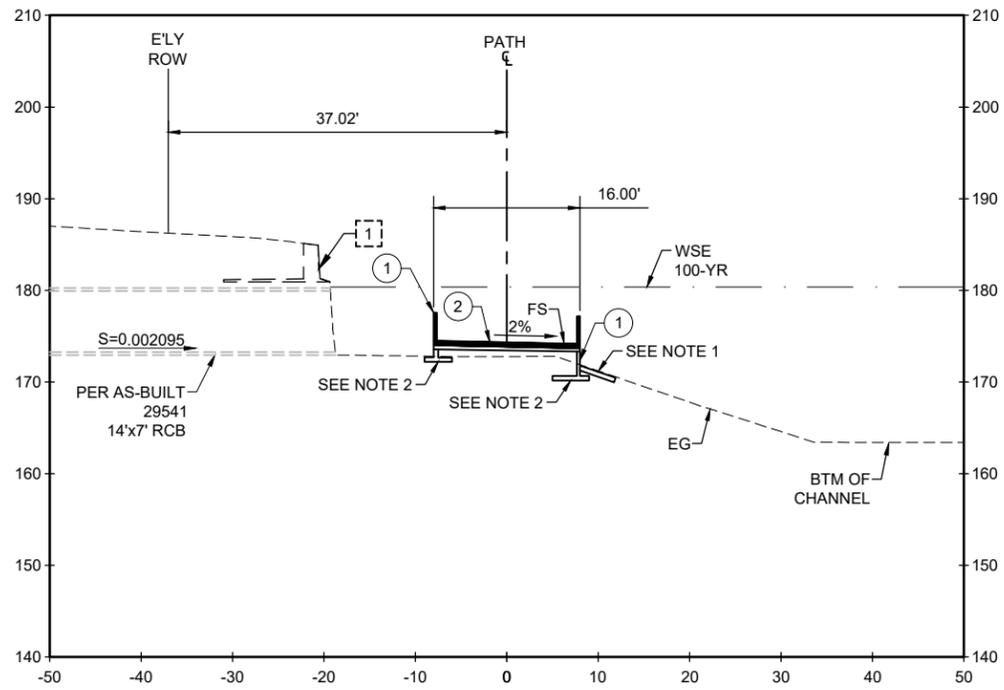
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

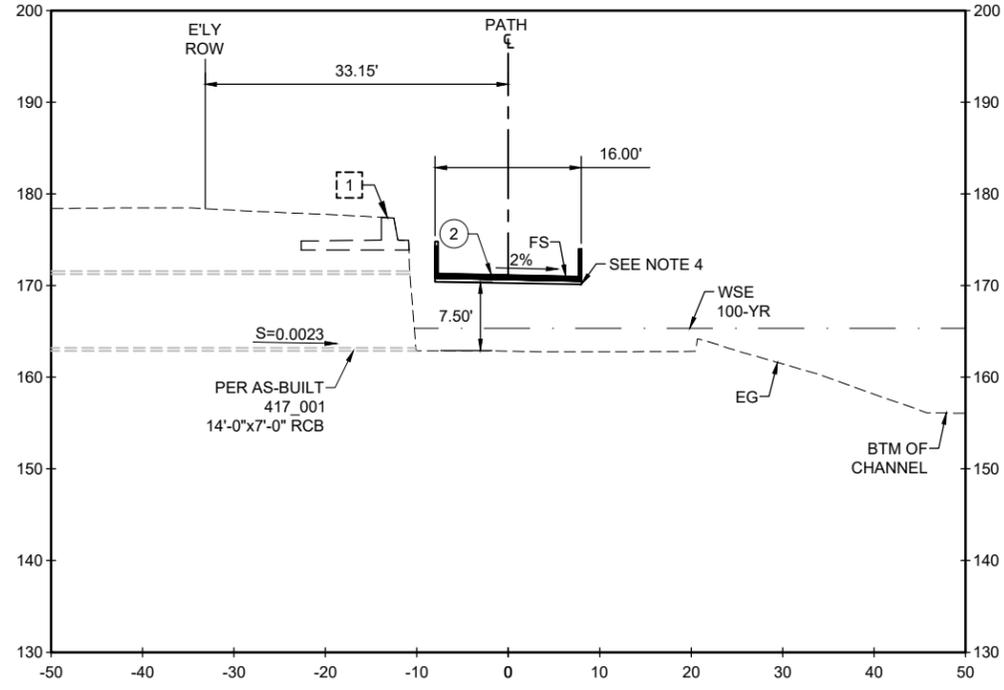
LOS ANGELES RIVER PATH
PROJECT

OPTION 1
INCISED PATH
OUTFALL SECTIONS - SHEET 1

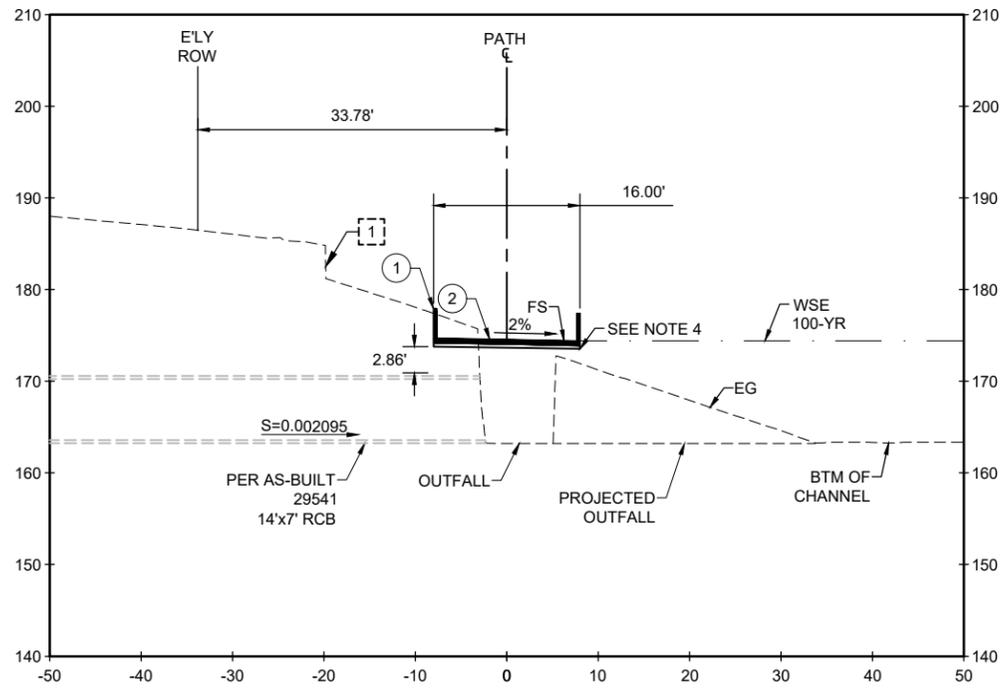
CONTRACT NO.	
DRAWING NO. CX-202	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO.	53 OF 69



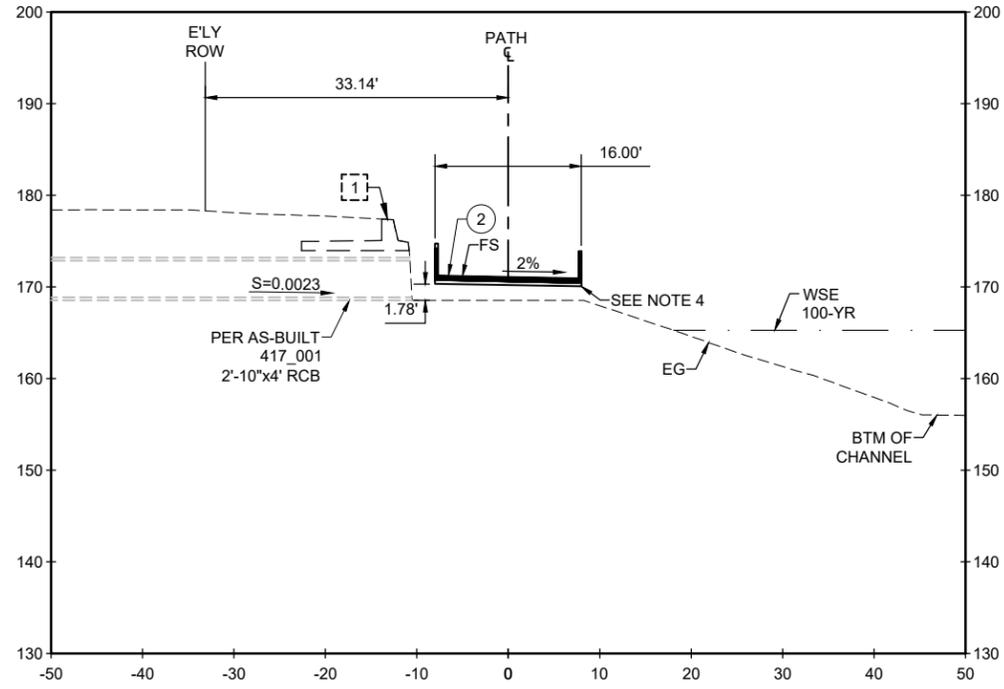
INCISED - MID: C/L 02B-130, STA 42+00.00 (E) CX-201
SCALE: 1" = 10'



INCISED - HIGH: C/L 02B-140, STA 7+41.14 (G) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 02B-130, STA 42+50.00 (F) CX-201
SCALE: 1" = 10'



INCISED - HIGH: C/L 02B-140, STA 7+62.54 (H) CX-201
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. RETAINING WALL WITH OPENING FOR OUTFALL.
 3. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 4. STRUCTURE REQUIRED TO SPAN OUTFALL.
 5. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAIN LINES REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 6. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\3491\AR-02B-CX-203.dwg, e:\bleyle\2021\3491\AR-02B-CX-203.dwg, Plot date: 6/9/2021 4:16 PM, Plot style table: HALF_BW.ctb, Last saved by: Tanner Bleyle

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

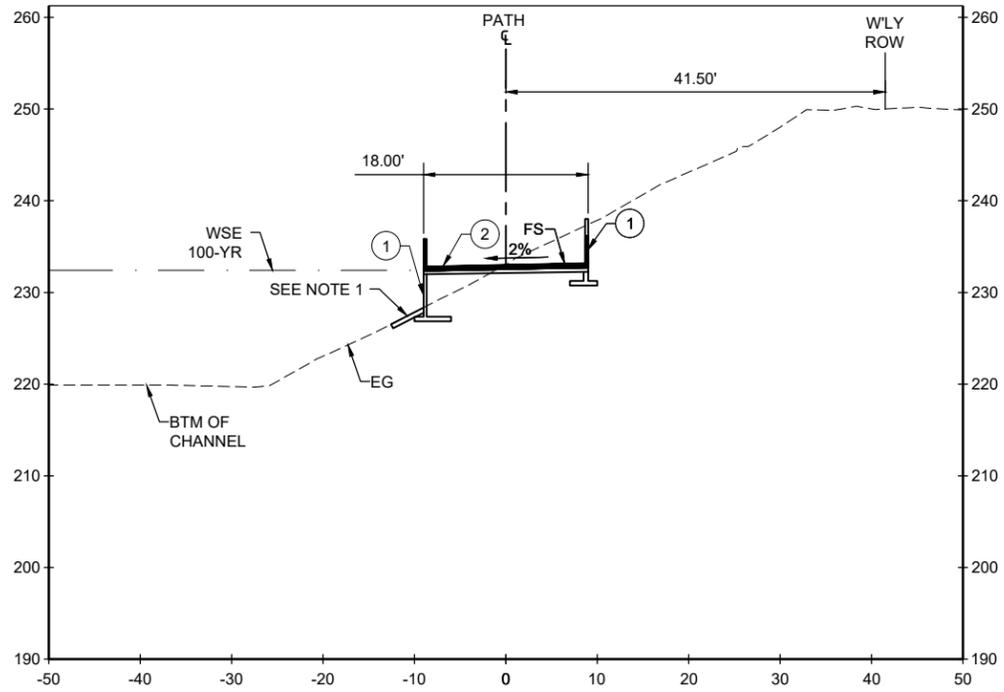
Metro

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

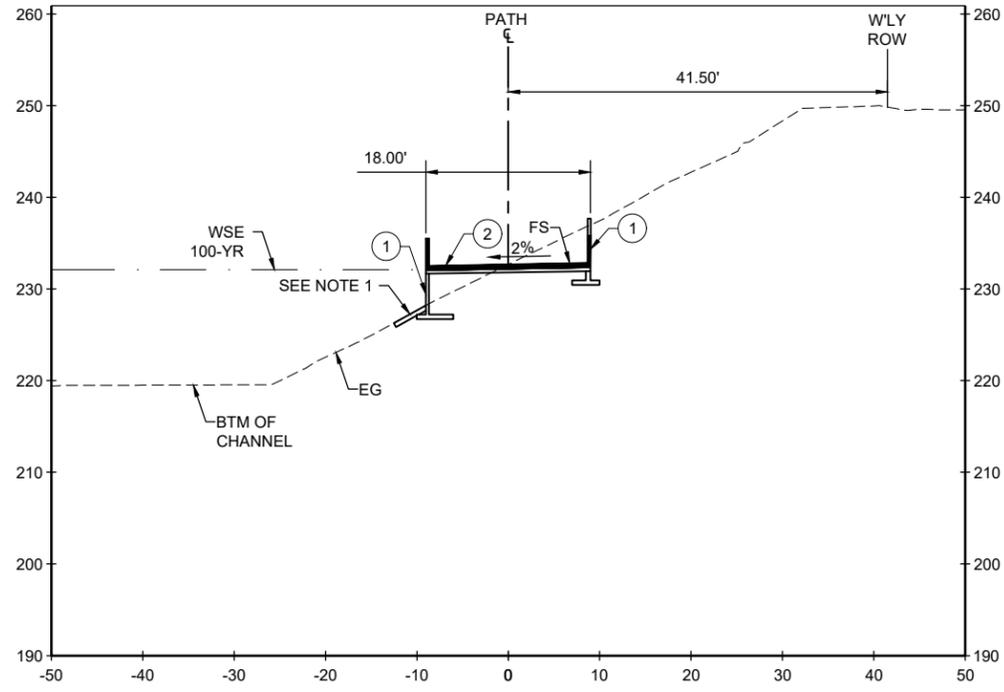
LOS ANGELES RIVER PATH
PROJECT

OPTION 1
INCISED PATH
OUTFALL SECTIONS - SHEET 2

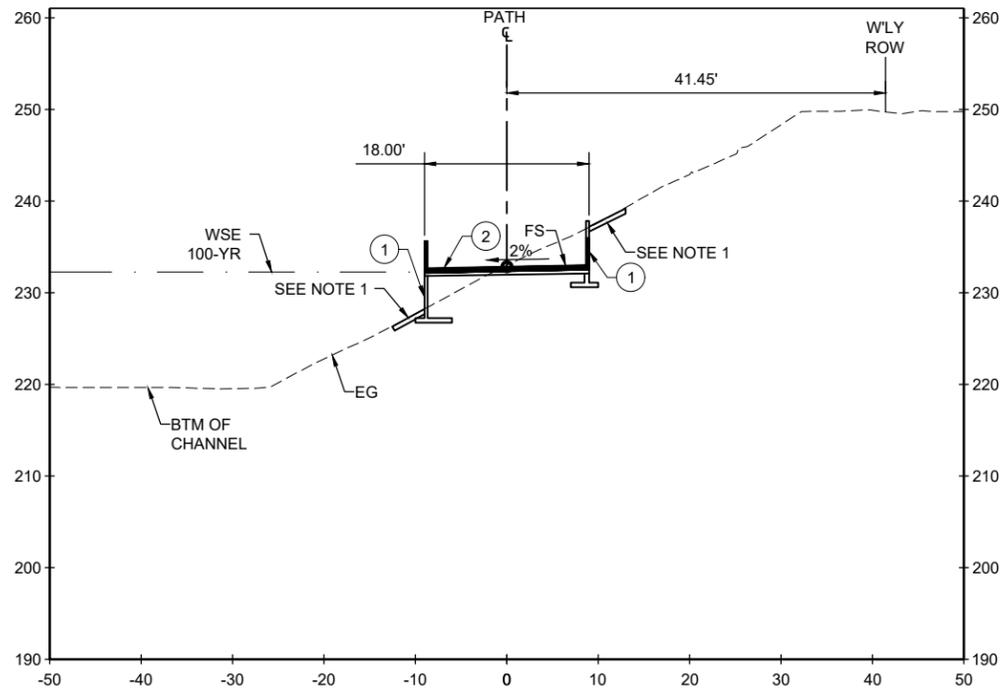
CONTRACT NO.	
DRAWING NO. CX-203	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 54 OF 69	



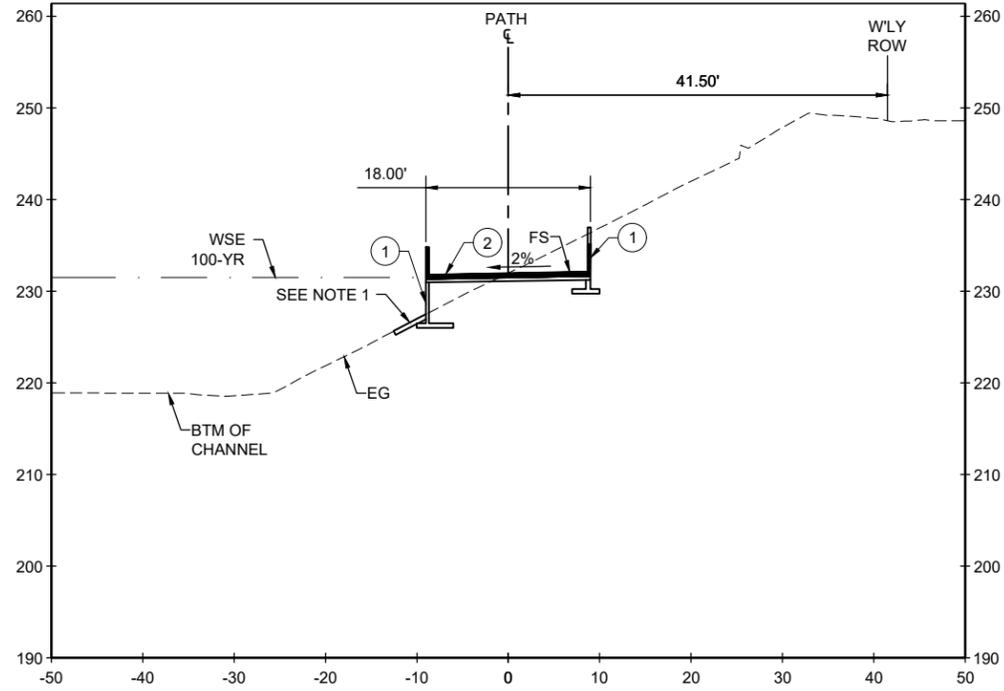
INCISED - MID: C/L 01B-160, STA 34+90.69 (I) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 35+55.54 (K) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 35+25.00 (J) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 36+99.05 (L) CX-201
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\3491\AR-01B-CX-204.dwg Plot date: 6/9/2021 4:16 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

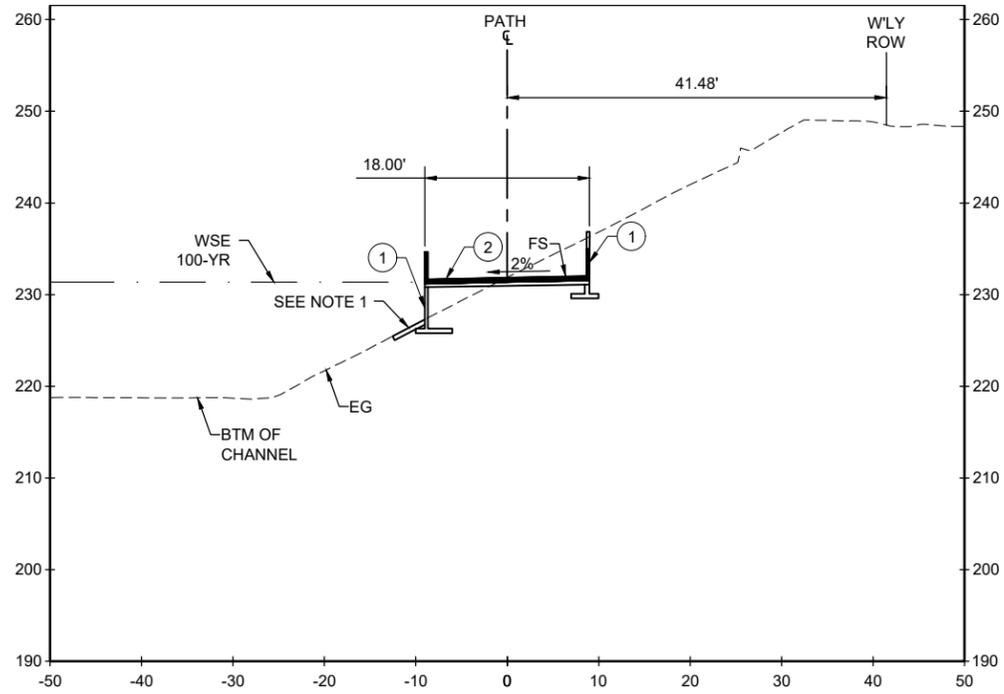
DESIGNED BY
A. MARTINEZ
DRAWN BY
T. BLEYLE
CHECKED BY
J. TISCARENO
IN CHARGE
A. MOTA
DATE
6/15/2021


Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

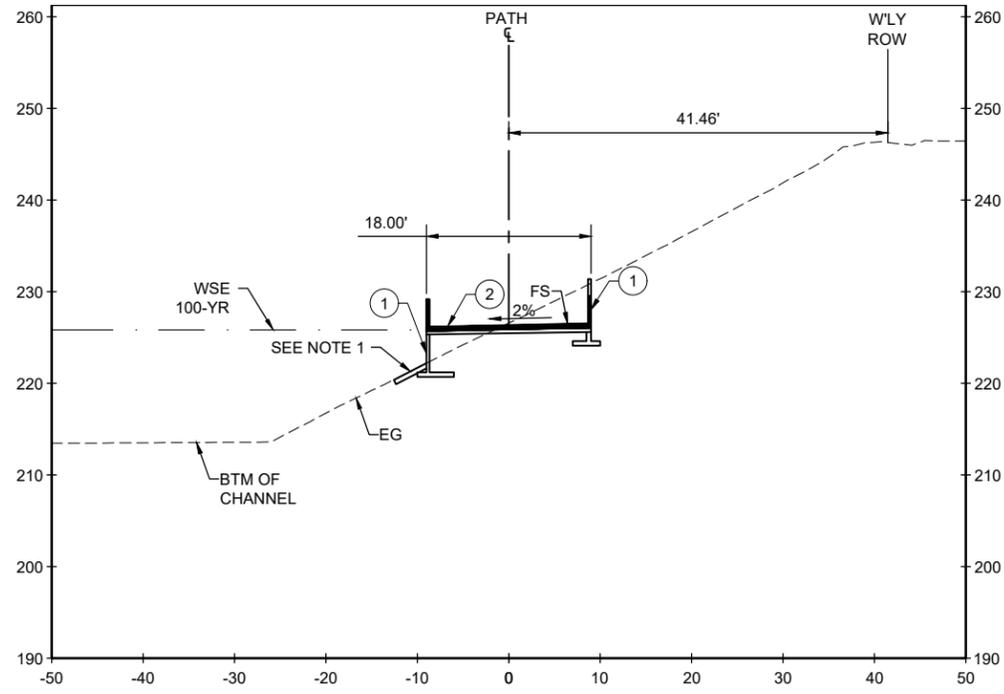


LOS ANGELES RIVER PATH PROJECT
 OPTION 1
 INCISED PATH
 SECTIONS - SHEET 1

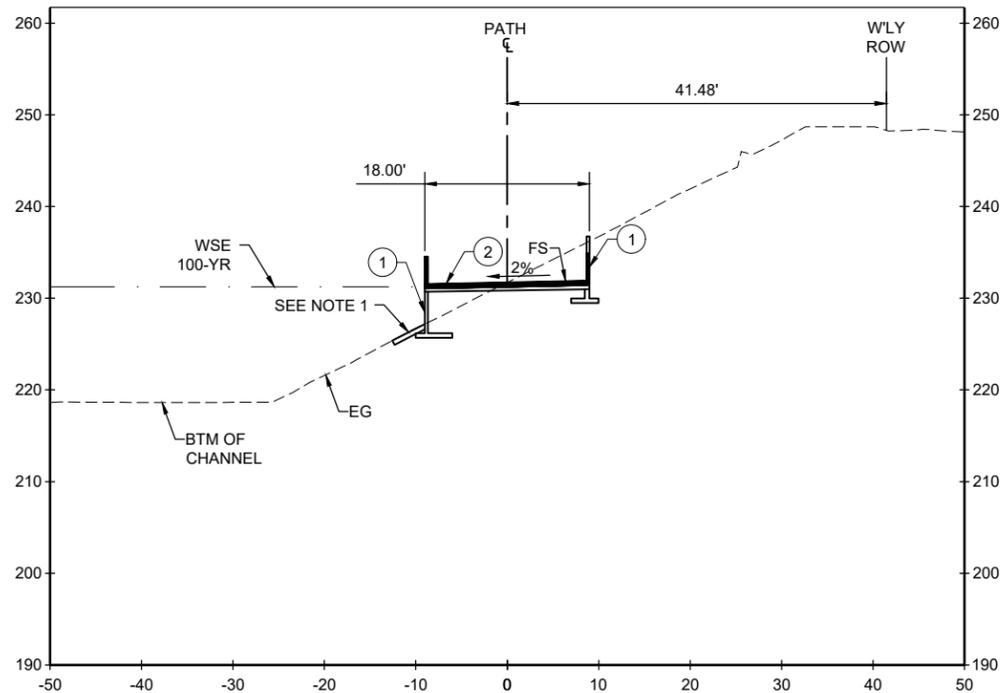
CONTRACT NO.	
DRAWING NO.	REV
CX-204	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO.	55 OF 69



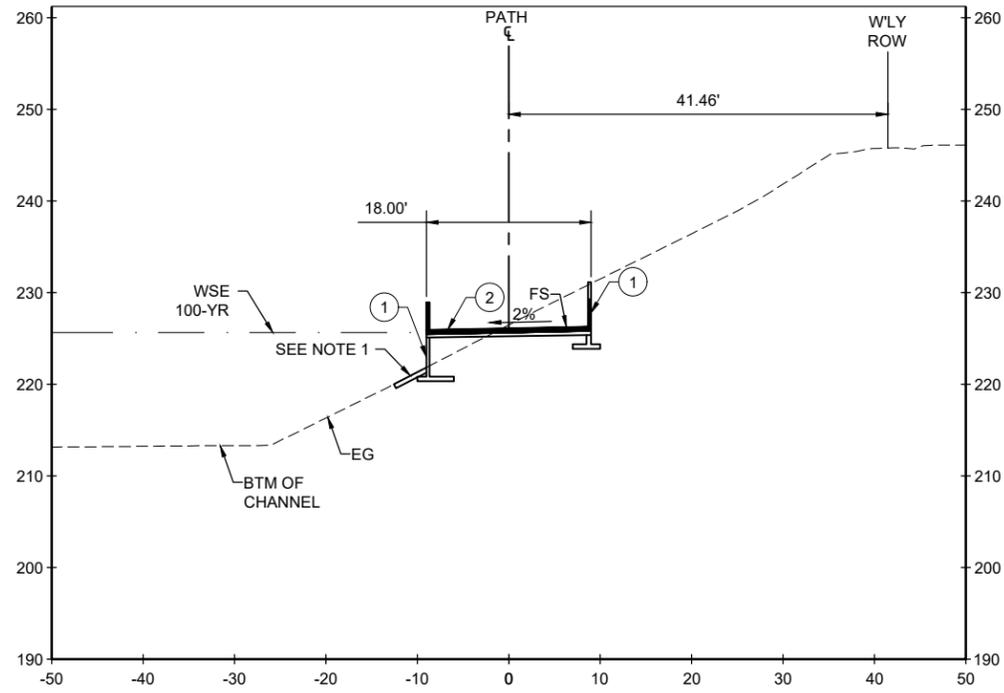
INCISED - MID: C/L 01B-160, STA 37+25.00 (M) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 41+25.00 (O) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 37+46.75 (N) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 01B-160, STA 42+00.00 (P) CX-201
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\hcn003\jag_0x-bleye\20210613\01B-CX-205.dwg Plot date: 6/9/2021 4:17 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

Metro

THE JACOBS ALTA TEAM

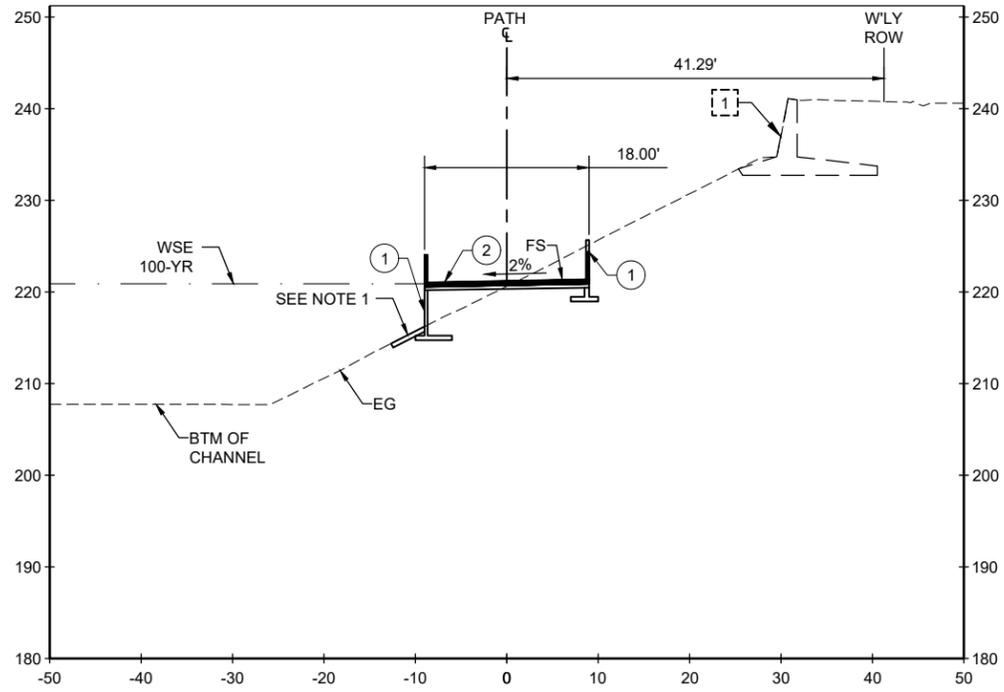
MAEngineering

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

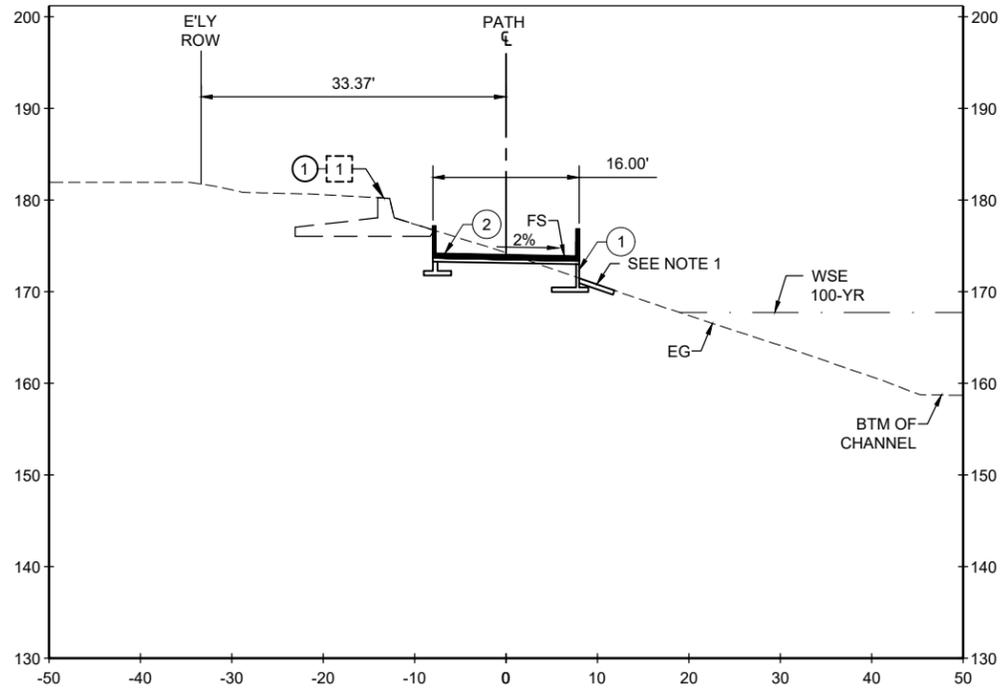
LOS ANGELES RIVER PATH
PROJECT

**OPTION 1
INCISED PATH
SECTIONS - SHEET 2**

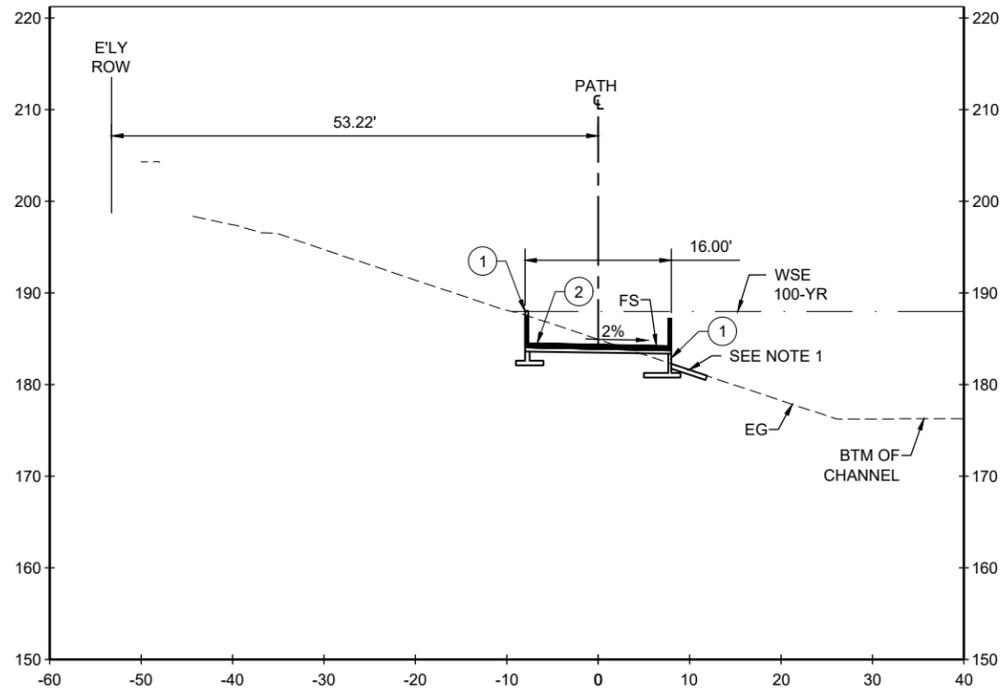
CONTRACT NO.	
DRAWING NO. CX-205	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 56 OF 69	



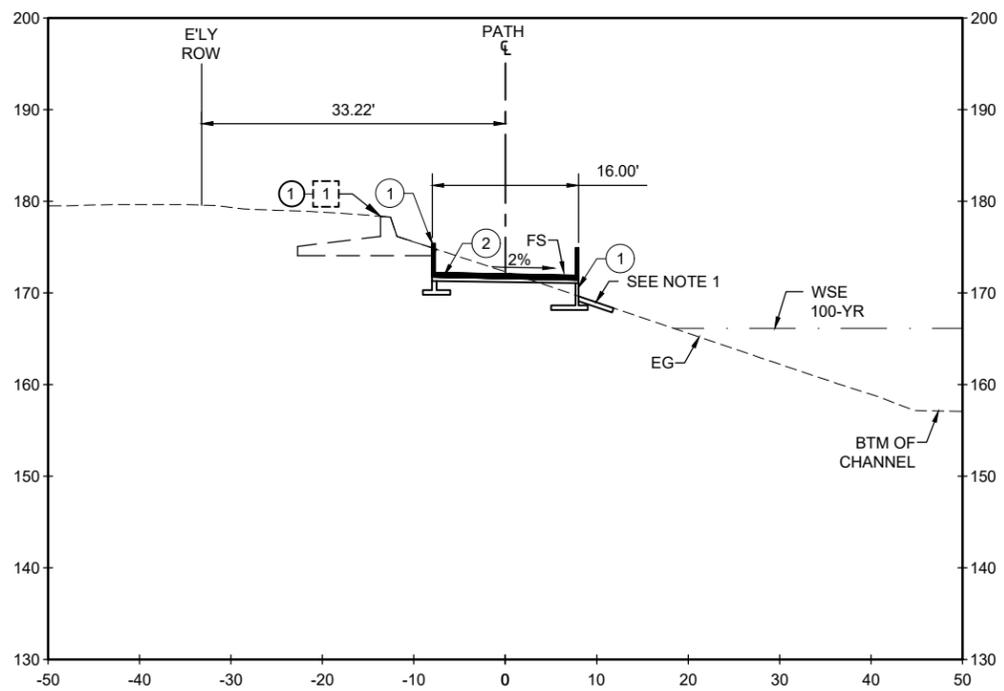
INCISED - MID: C/L 02B-100, STA 14+78.50 (Q) CX-201
SCALE: 1" = 10'



INCISED - HIGH: C/L 02B-130, STA 61+00.00 (S) CX-201
SCALE: 1" = 10'



INCISED - MID: C/L 02B-130, STA 6+00.00 (R) CX-201
SCALE: 1" = 10'



INCISED - HIGH: C/L 02B-140, STA 4+00.00 (T) CX-201
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\altd0213491\AR-02B-CX-206.dwg Last saved by: Tanner Bleyle Plo date: 6/9/2021 4:17 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

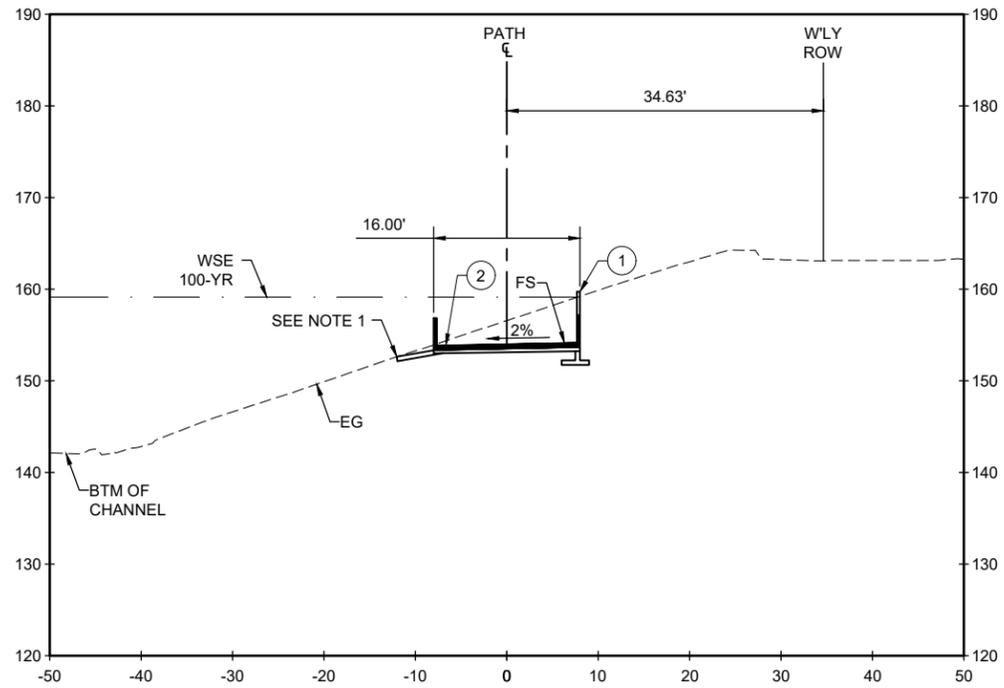
Metro

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH
PROJECT

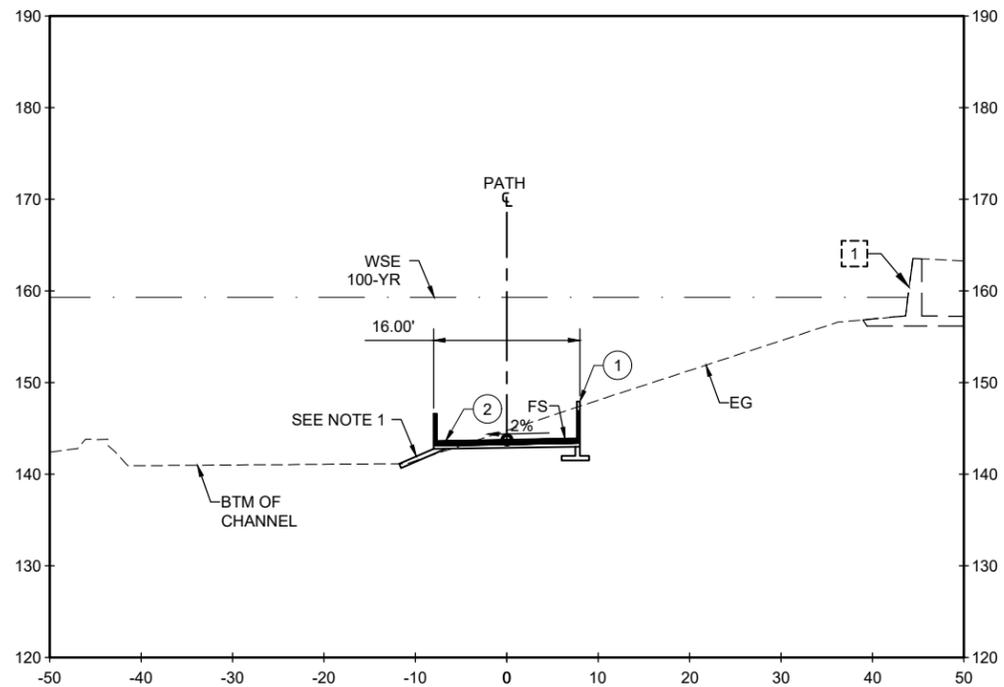
OPTION 1
INCISED PATH
SECTIONS - SHEET 3

CONTRACT NO.	
DRAWING NO. CX-206	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 57 OF 69	



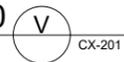
INCISED - MID: C/L 02B-160, STA 5+00.00

SCALE: 1" = 10'



INCISED - LOW: C/L 02B-160, STA 10+00.00

SCALE: 1" = 10'



CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

NOTES:

1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den003\jag_e\bleyle\102813491\AR-00B-CX-207.dwg Plot date: 6/9/2021 4:17 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

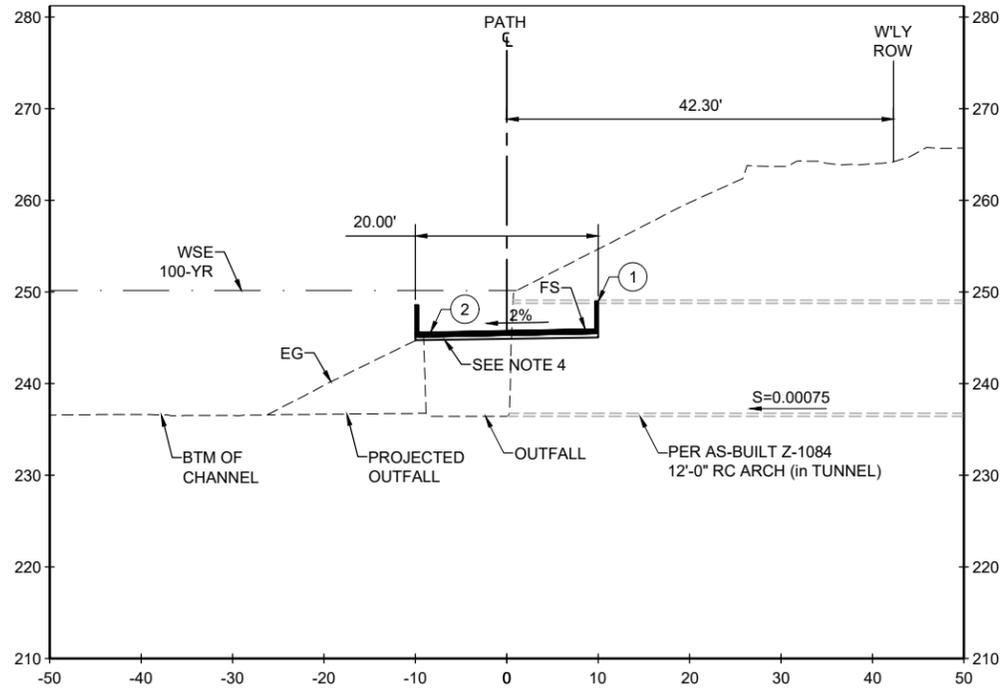
LOS ANGELES RIVER PATH
PROJECT

OPTION 1

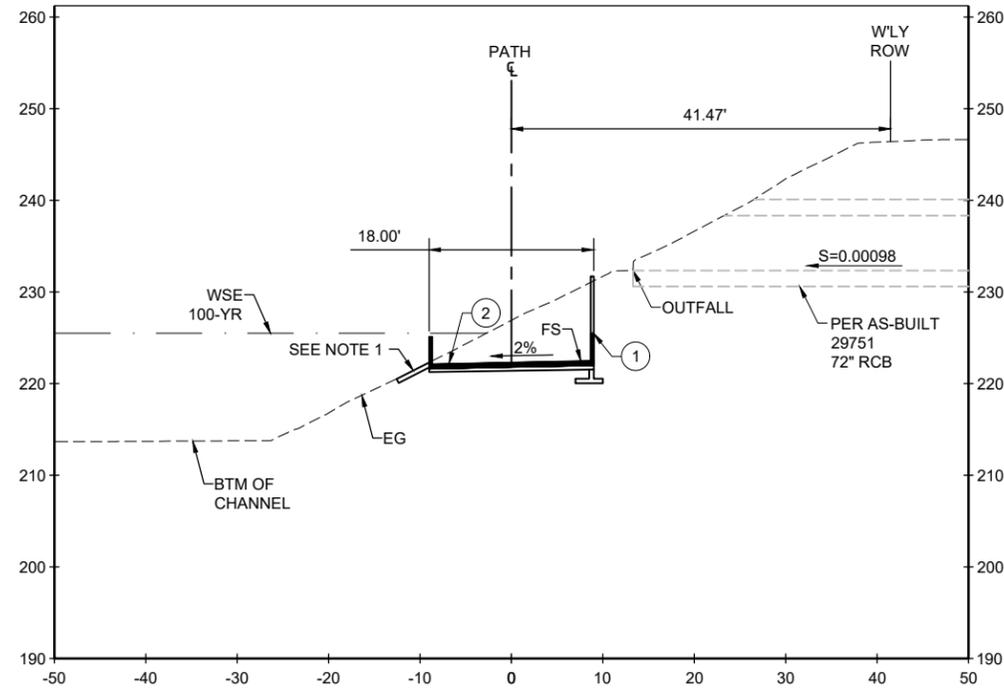
INCISED PATH

SECTIONS - SHEET 4

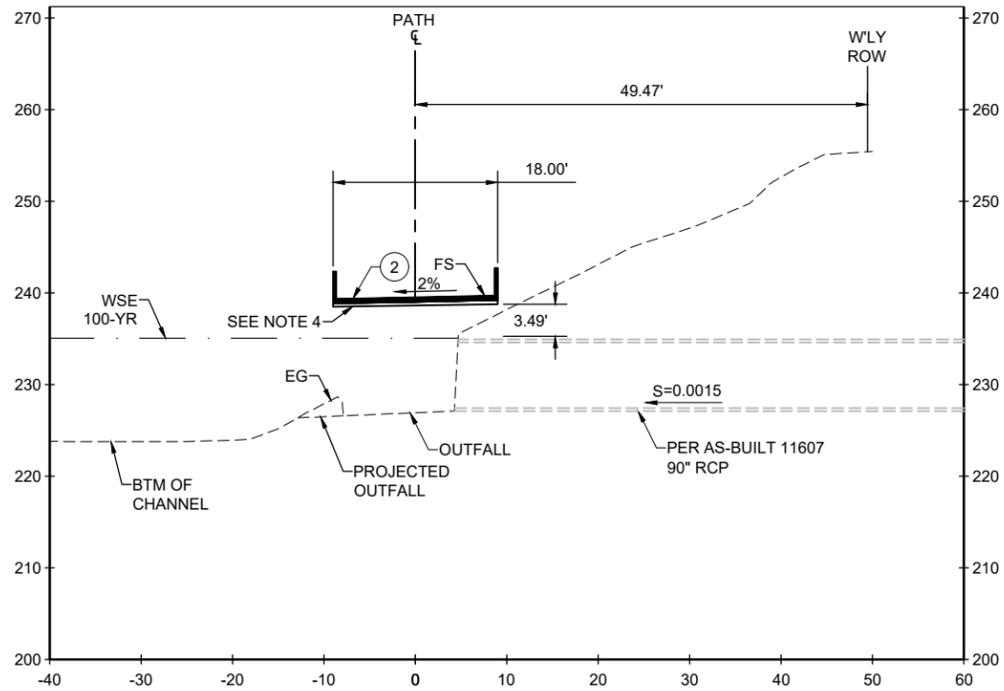
CONTRACT NO.	
DRAWING NO. CX-207	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 58 OF 69	



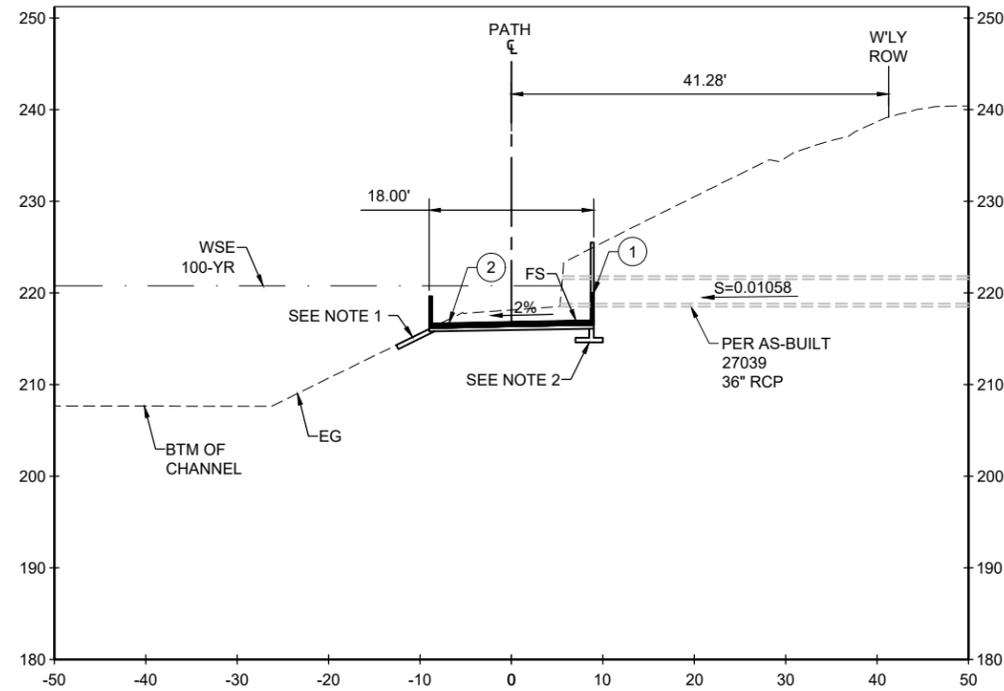
INCISED - MID: C/L 01C-170, STA 11+91.49 (A)
SCALE: 1" = 10' CX-301



INCISED - LOW: C/L 01C-180, STA 40+90.95 (C)
SCALE: 1" = 10' CX-301



INCISED - LOW: C/L 01C-180, STA 25+97.36 (B)
SCALE: 1" = 10' CX-301



INCISED - MID: C/L 02C-100, STA 15+23.34 (D)
SCALE: 1" = 10' CX-301

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. RETAINING WALL WITH OPENING FOR OUTFALL.
 3. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 4. STRUCTURE REQUIRED TO SPAN OUTFALL.
 5. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAIN LINES REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 6. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\4881\AR-00-CX-302.dwg Last saved by: Tanner Bleyle File date: 6/9/2021 4:31 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

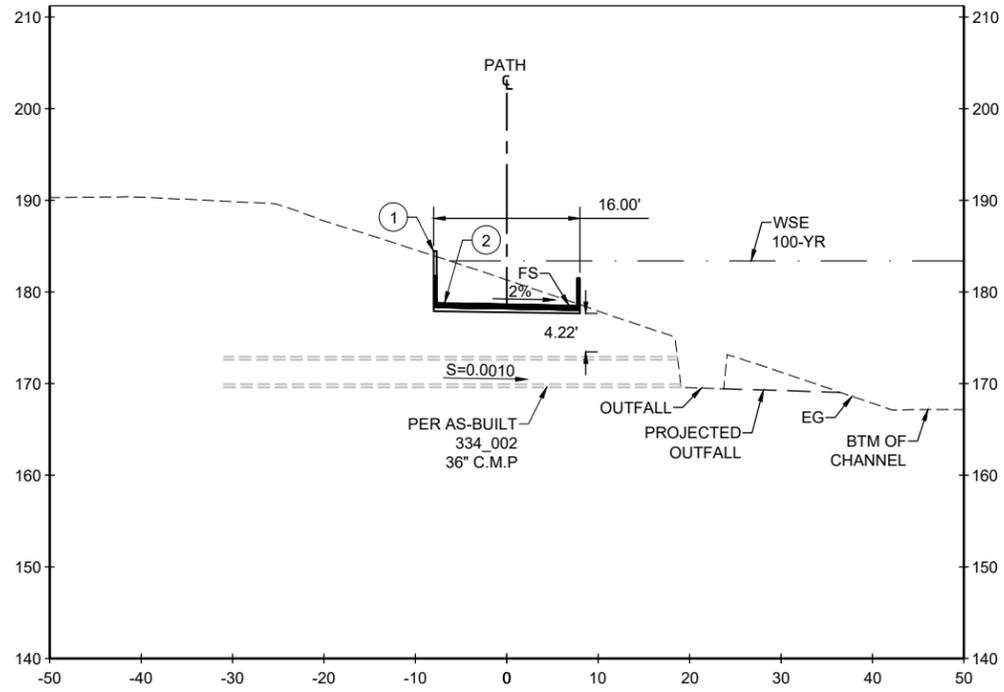
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021


LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

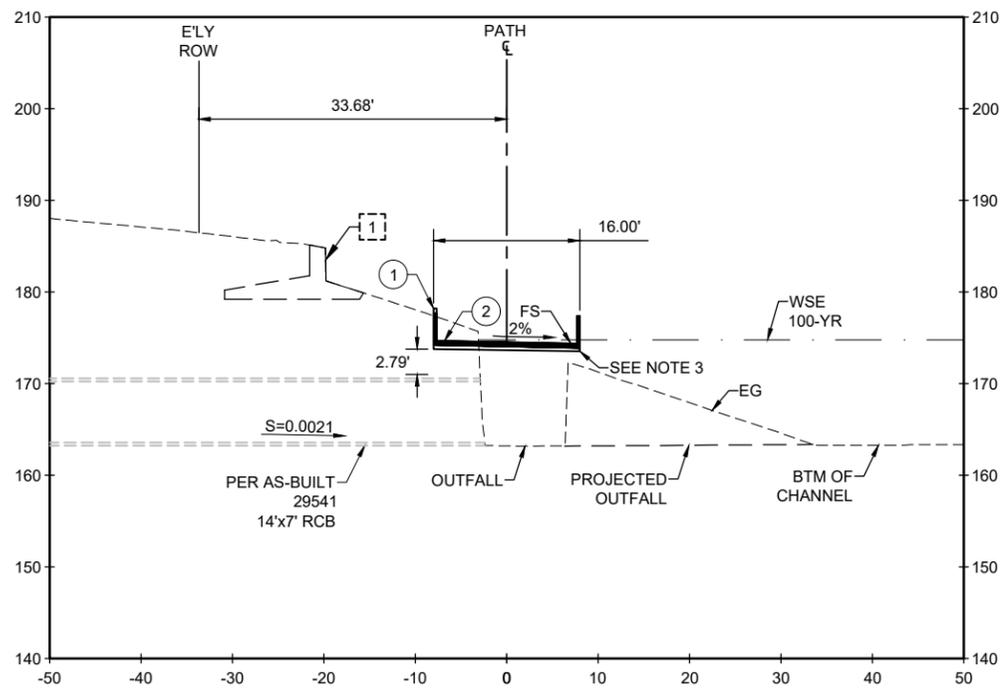



LOS ANGELES RIVER PATH PROJECT
OPTION 2
INCISED PATH
OUTFALL SECTIONS - SHEET 1

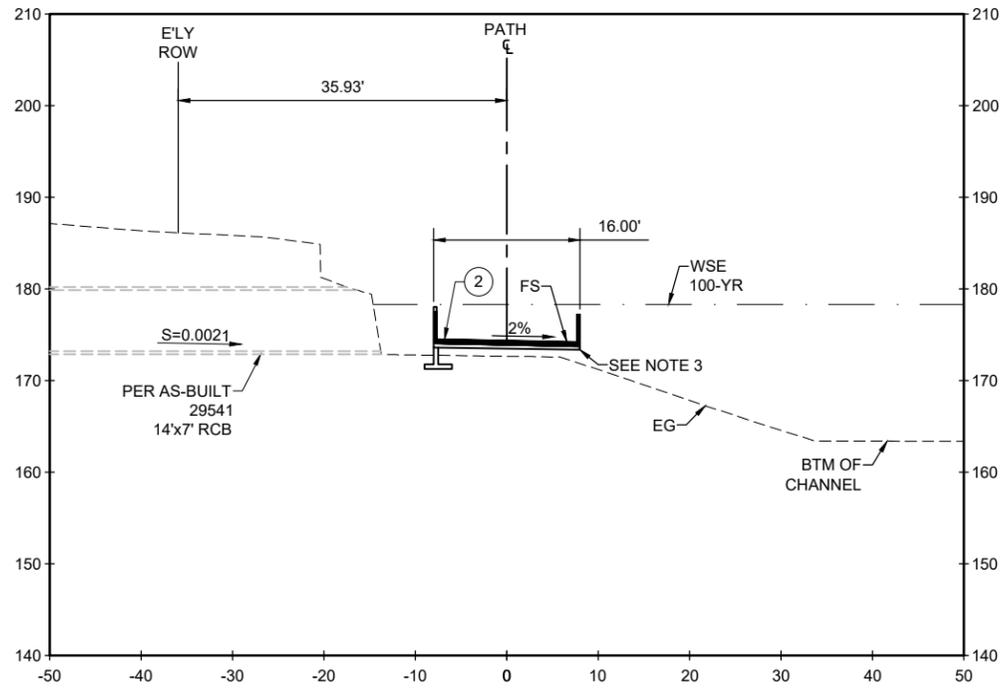
CONTRACT NO.	
DRAWING NO. CX-302	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 60 OF 69	



INCISED - MID: C/L 02C-130, STA 39+33.25 (E) CX-301
SCALE: 1" = 10'



INCISED - MID: C/L 02C-130, STA 42+52.10 (G) CX-301
SCALE: 1" = 10'



INCISED - MID: C/L 02C-130, STA 42+09.95 (F) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 2. OUTFALL ELEVATIONS DRAWN PER AS-BUILT INFORMATION. ELEVATIONS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 3. STRUCTURE REQUIRED TO SPAN OUTFALL.
 4. STORM DRAIN PROFILES PROJECTED ON SECTIONS. FOR ALIGNMENT OF EXISTING STORM DRAIN LINES REFER TO CITY/COUNTY AS-BUILT INFORMATION.
 5. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2003\leg_e\bleyle\02021488\AR-00C-CX-303.dwg Last saved by: Tanner Bleyle Pld date: 6/9/2021 4:32 PM Plot date: 6/9/2021 4:32 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

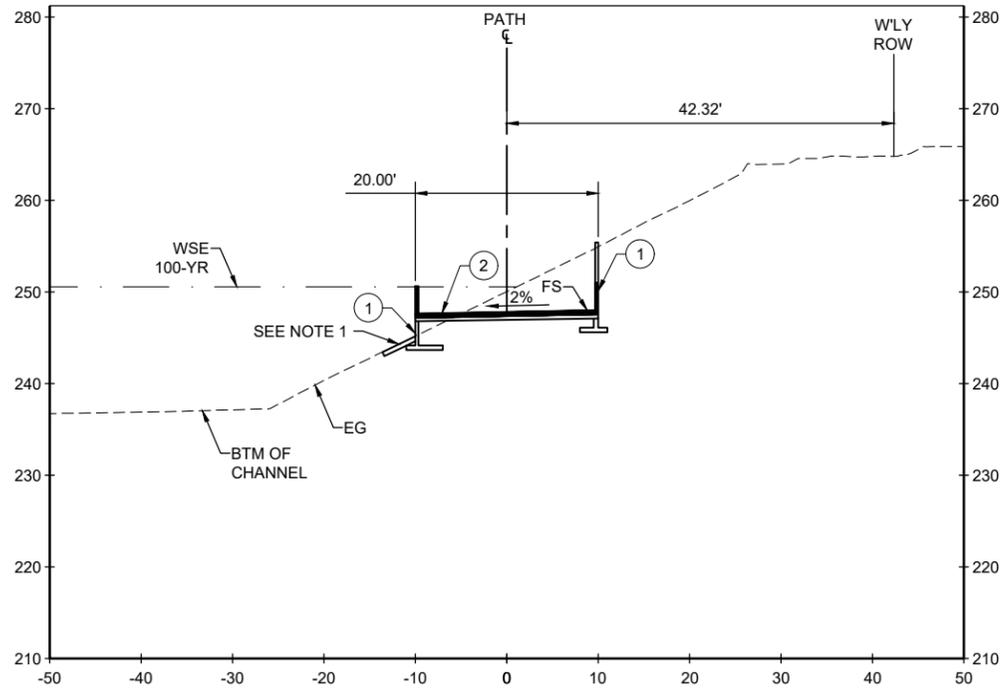
Metro

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

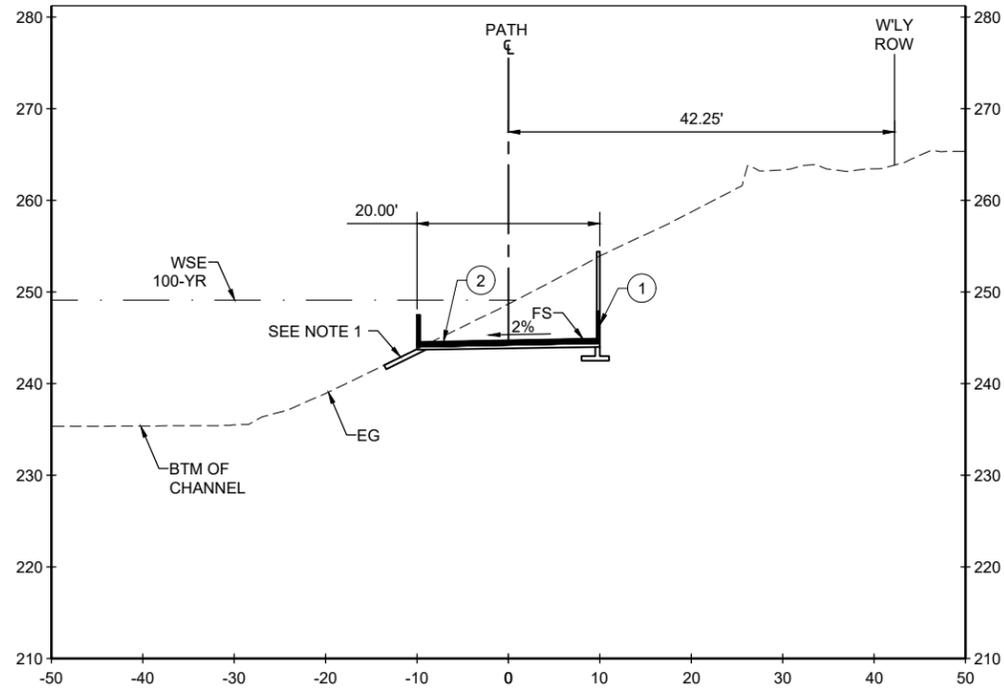
LOS ANGELES RIVER PATH
PROJECT

OPTION 2
INCISED PATH
OUTFALL SECTIONS - SHEET 2

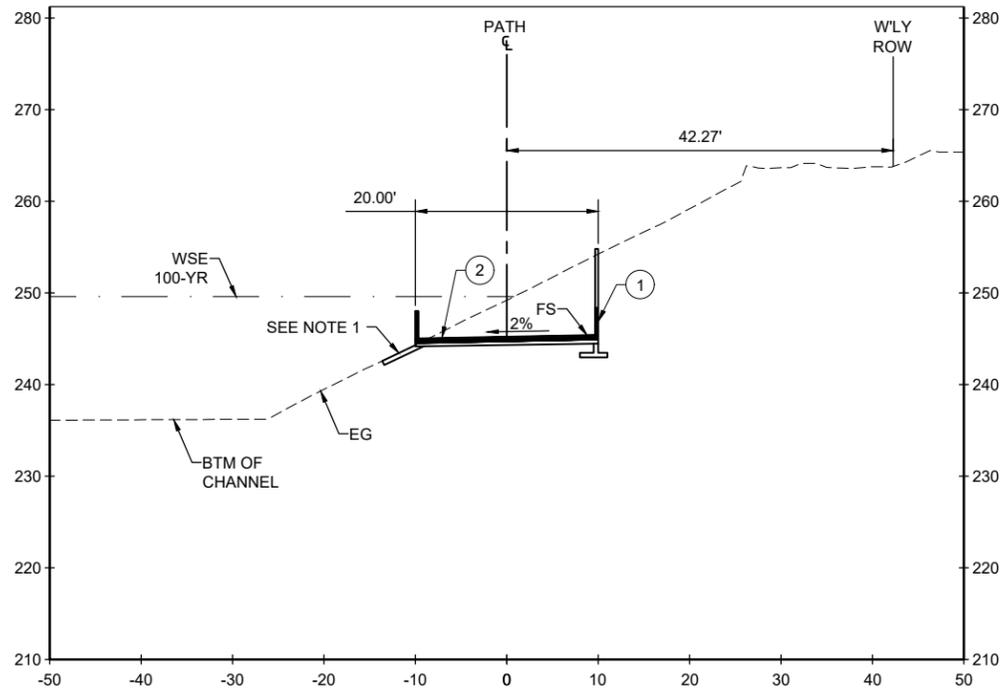
CONTRACT NO.	
DRAWING NO. CX-303	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 61 OF 69	



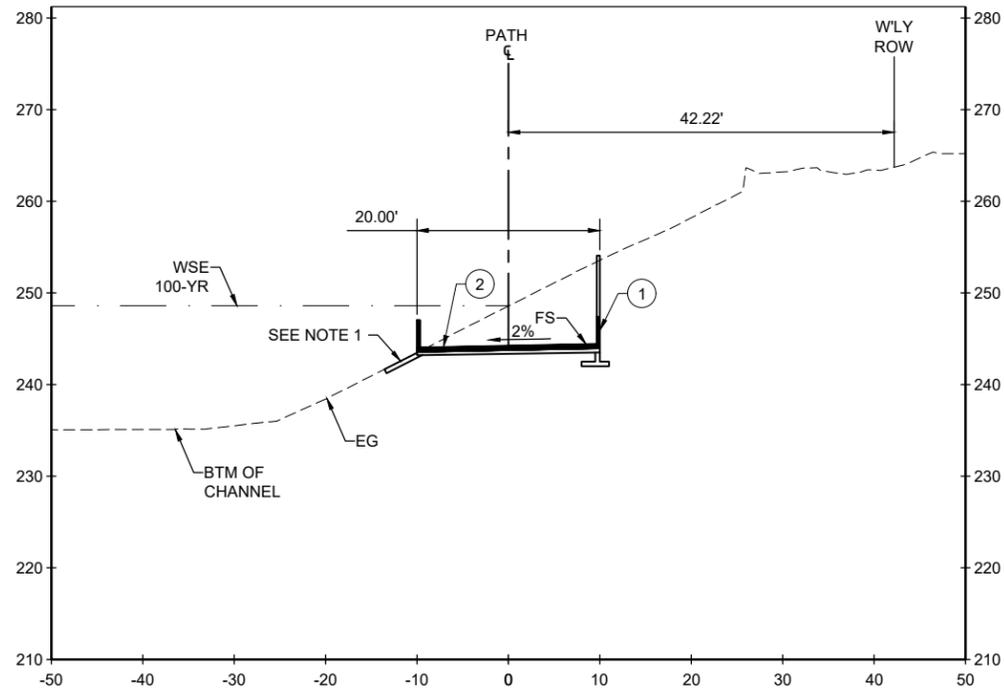
INCISED - MID: C/L 01C-170, STA 11+00.00 (H) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-170, STA 14+00.00 (J) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-170, STA 13+00.00 (I) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-170, STA 14+95.00 (K) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\1003\1003\1003.dwg, e:\bleyle\10281488\1AR-00C-CX-304.dwg, Last saved by: Tanner Bleyle, Pld date: 6/9/2021 4:32 PM, Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	A. MARTINEZ
DRAWN BY	T. BLEYLE
CHECKED BY	J. TISCARENO
IN CHARGE	A. MOTA
DATE	6/15/2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

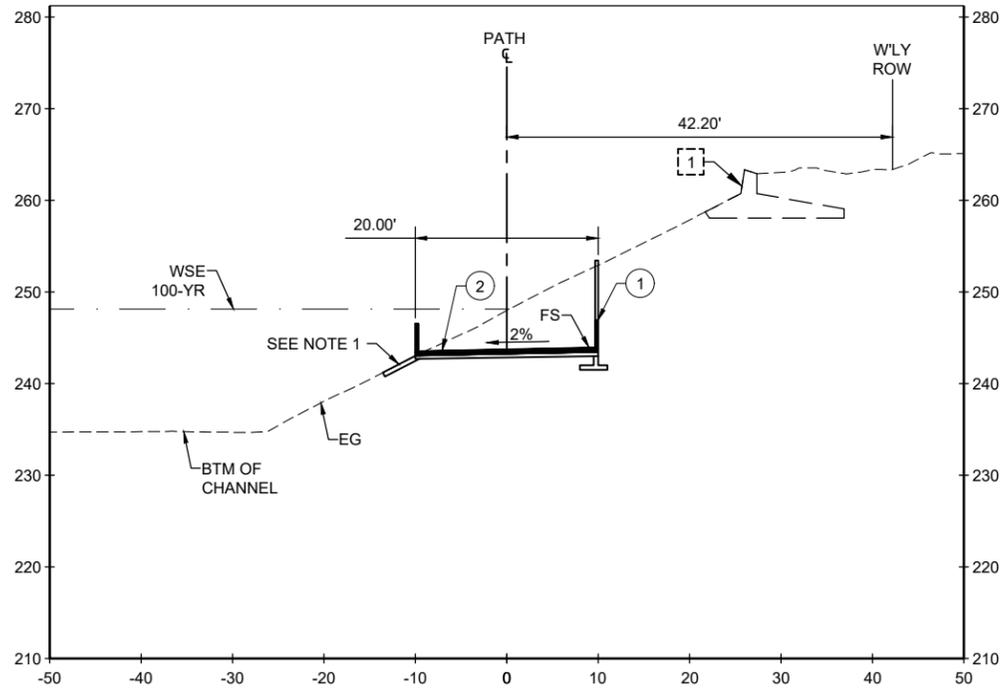
LOS ANGELES RIVER PATH
PROJECT

OPTION 2

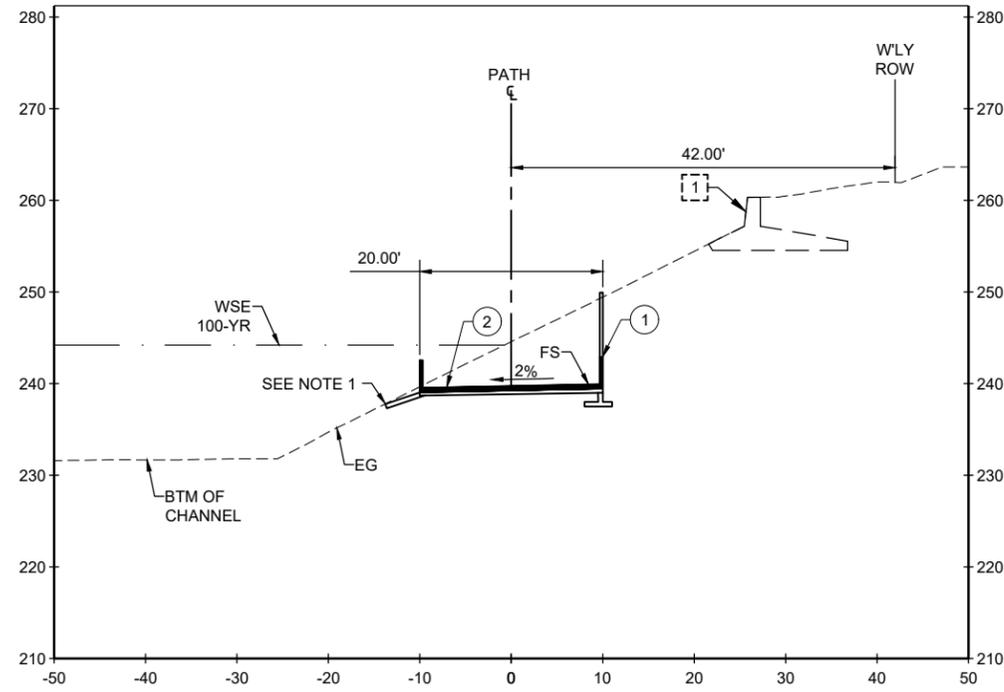
INCISED PATH

SECTIONS - SHEET 1

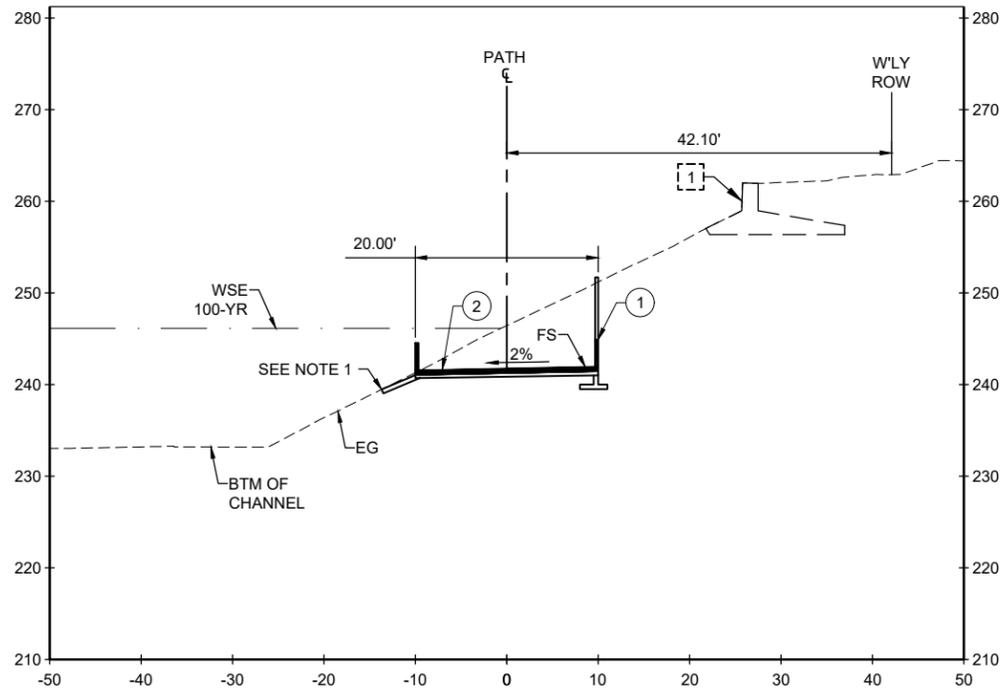
CONTRACT NO.	
DRAWING NO.	REV
CX-304	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO.	62 OF 69



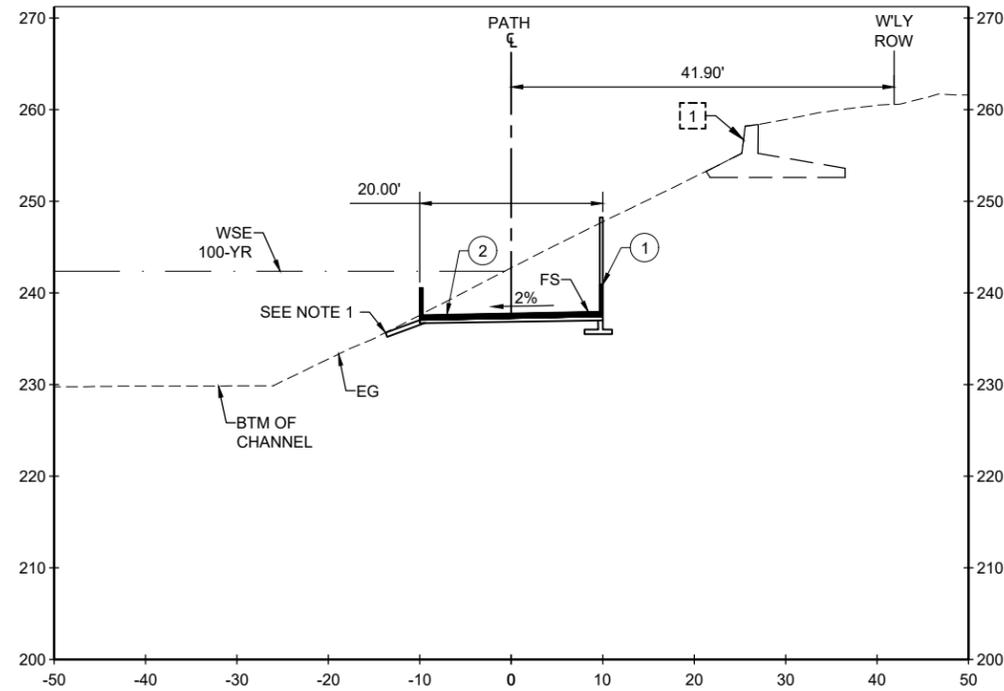
INCISED - LOW: C/L 01C-180, STA 1+00.00 (L) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 9+00.00 (N) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 5+00.00 (M) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 13+00.00 (O) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

NOTES:

1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworking\den003\jag_e\bleyle\0201488\AR-00C-CX-305.dwg Last saved by: Tanner Bleyle Pld date: 6/9/2021 4:32 PM Plot date: 6/9/2021 4:32 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

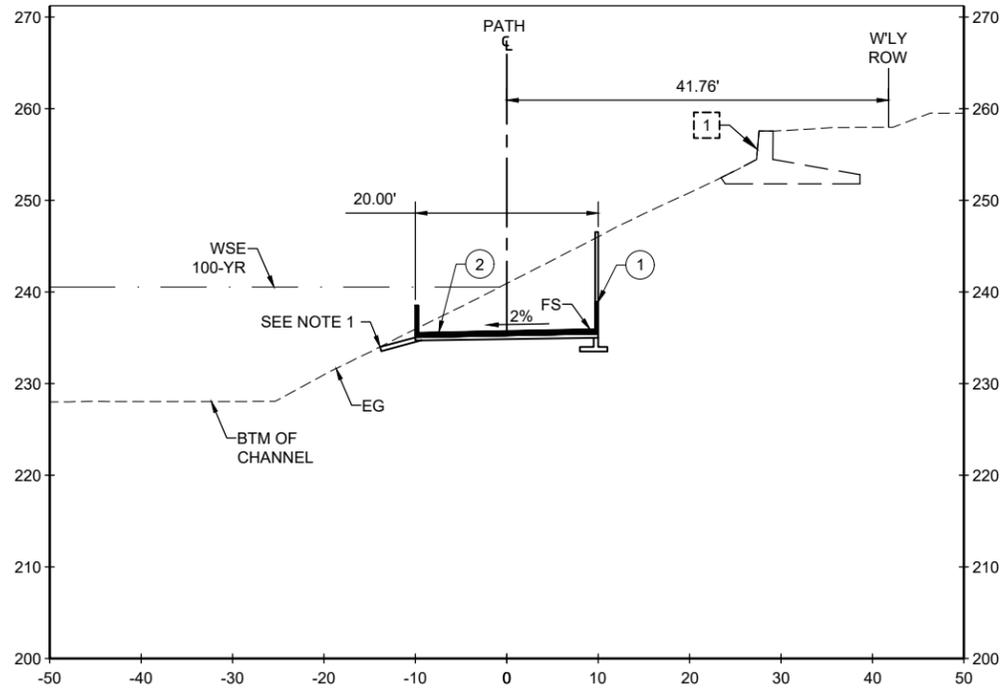
DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021


Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

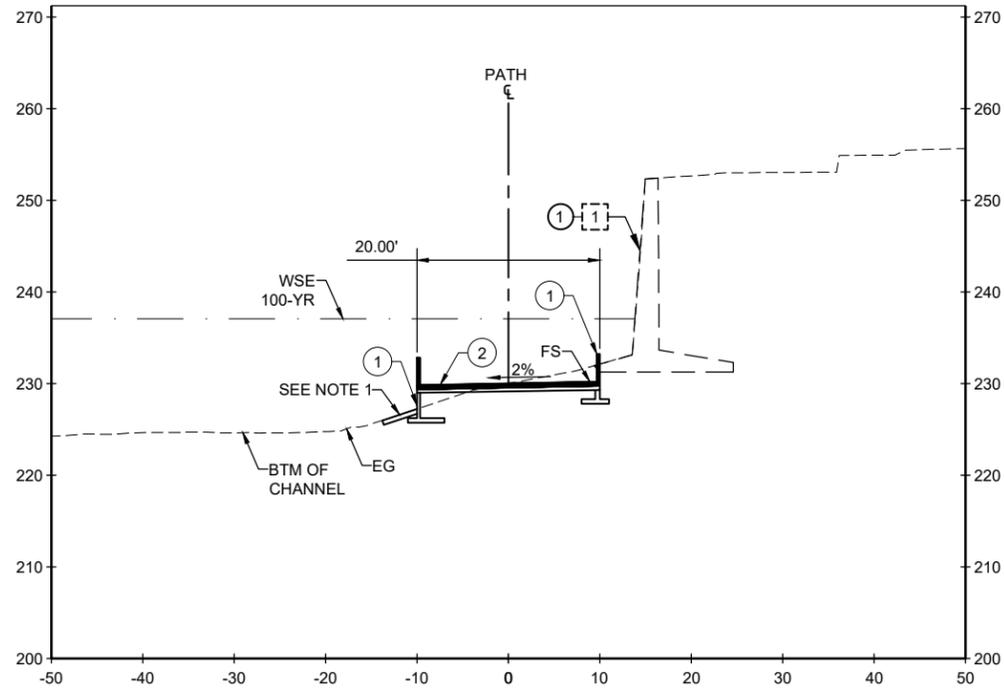


LOS ANGELES RIVER PATH PROJECT
 OPTION 2
 INCISED PATH
 SECTIONS - SHEET 2

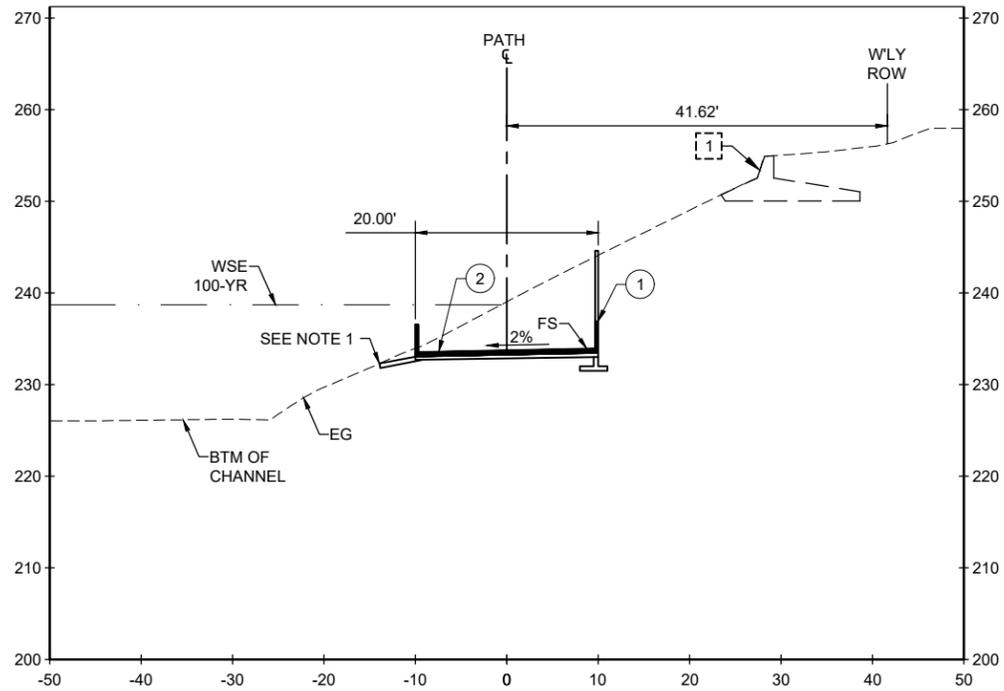
CONTRACT NO.	
DRAWING NO. CX-305	REV
SCALE VERT: 1" = 10'	HORIZ: 1" = 10'
SHEET NO. 63 OF 69	



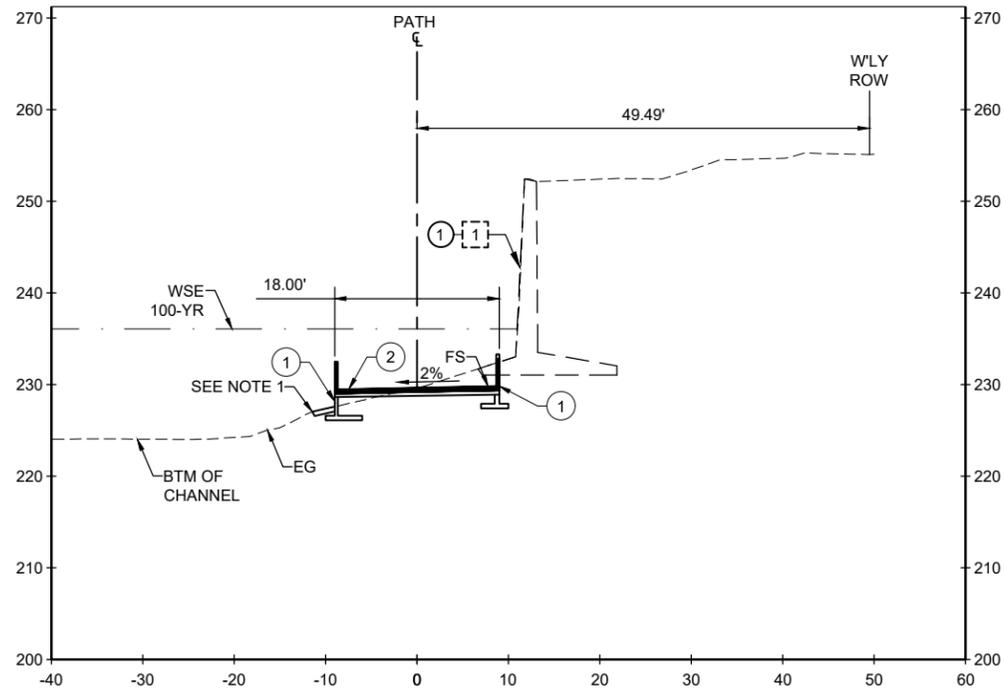
INCISED - LOW: C/L 01C-180, STA 17+00.00 (P) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 24+64.66 (R) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 21+00.00 (Q) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 25+55.70 (S) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
- JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\4881\AR-00C-CX-306.dwg Last saved by: Tanner Bleyle Pld date: 6/9/2021 4:33 PM Plot date: 6/9/2021 4:33 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

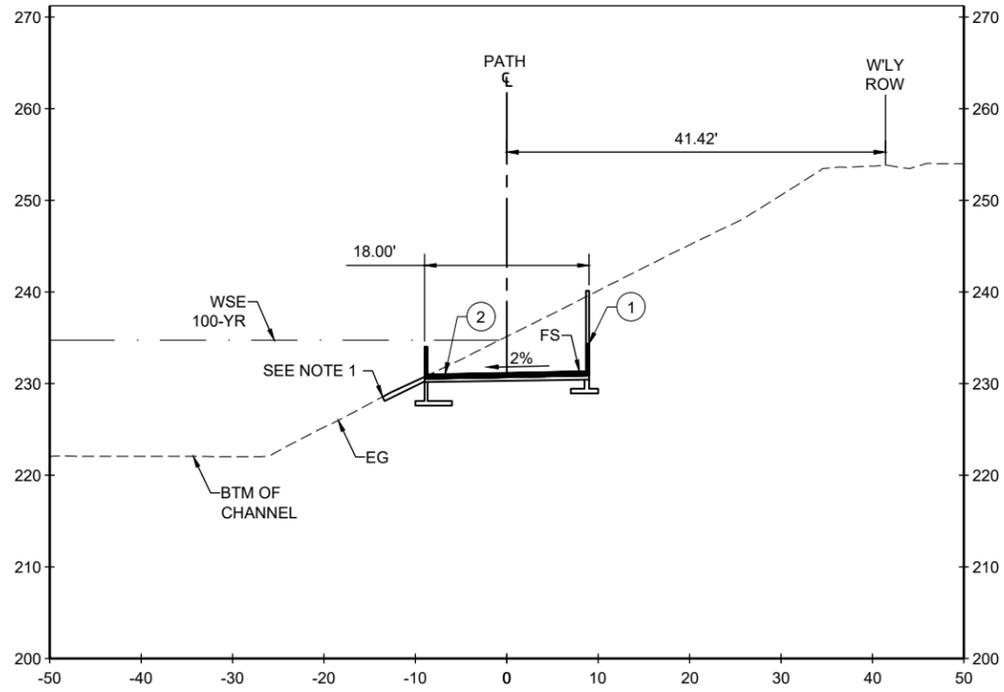
DESIGNED BY
A. MARTINEZ
DRAWN BY
T. BLEYLE
CHECKED BY
J. TISCARENO
IN CHARGE
A. MOTA
DATE
6/15/2021


Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY

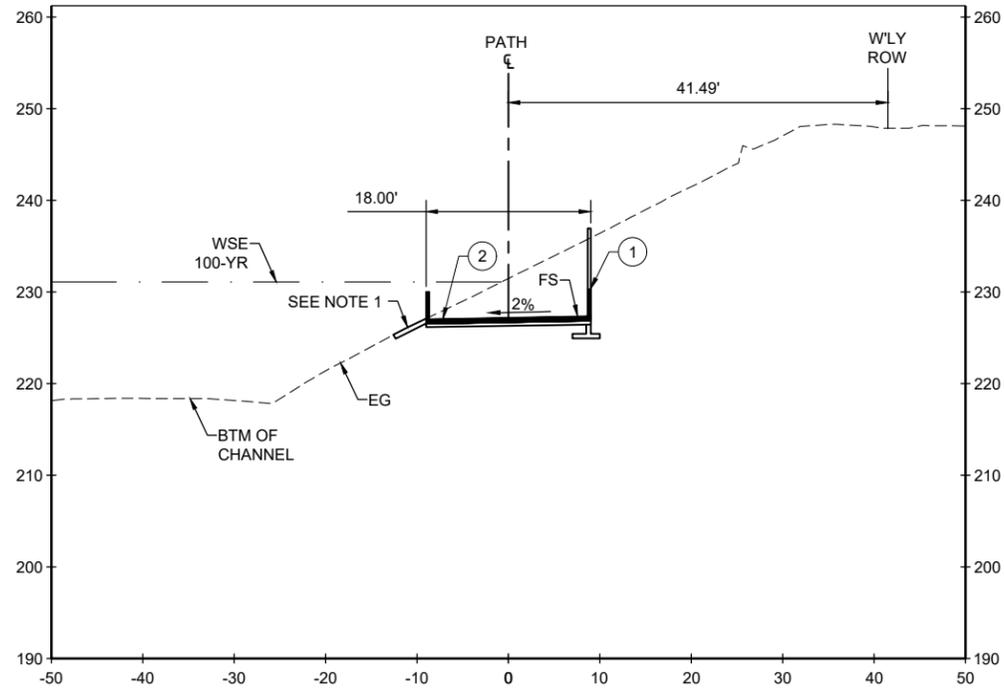


LOS ANGELES RIVER PATH PROJECT
 OPTION 2
 INCISED PATH
 SECTIONS - SHEET 3

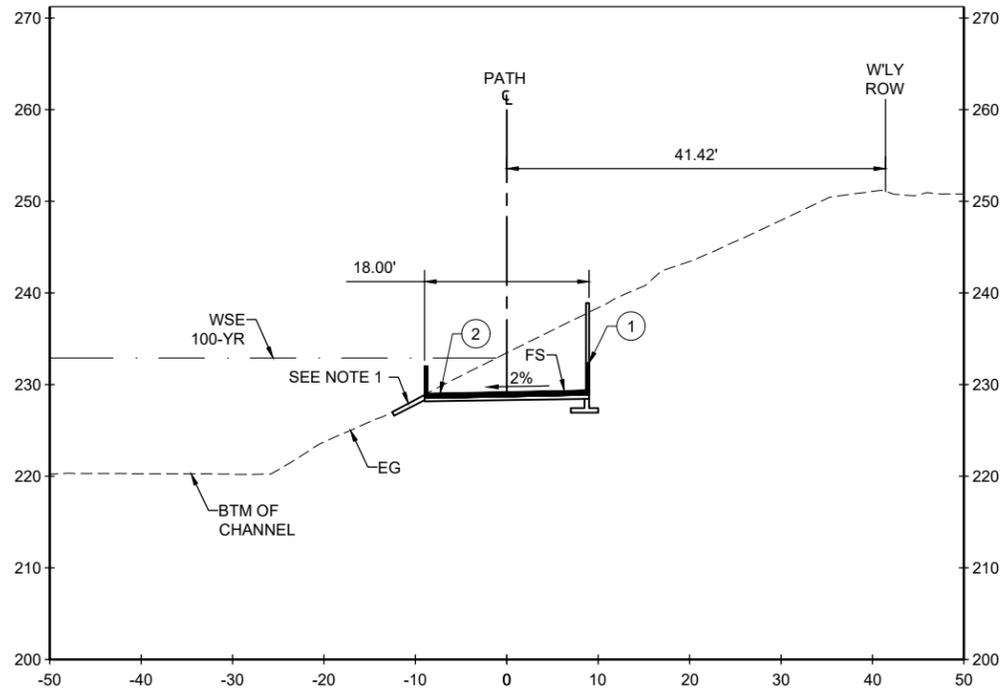
CONTRACT NO.	
DRAWING NO.	REV
CX-306	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO.	64 OF 69



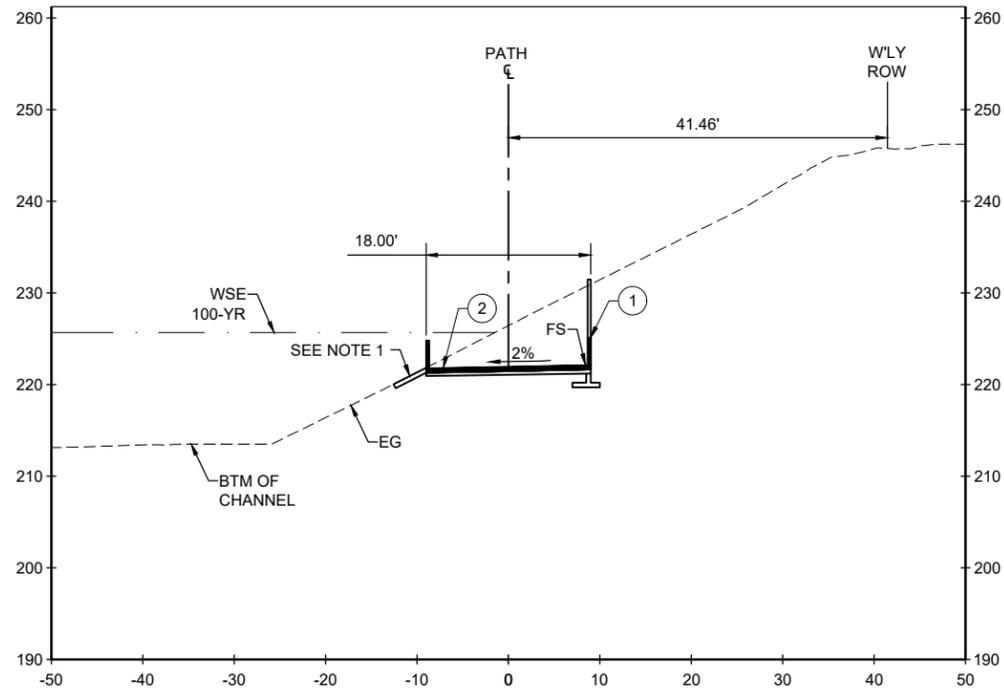
INCISED - LOW: C/L 01C-180, STA 30+00.00 (T) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 38+00.00 (V) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 34+00.00 (U) CX-301
SCALE: 1" = 10'



INCISED - LOW: C/L 01C-180, STA 42+00.00 (W) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
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 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\4881\AR-00-CX-307.dwg Last saved by: Tanner Bleyle File date: 6/9/2021 4:33 PM Plot date: 6/9/2021 4:33 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

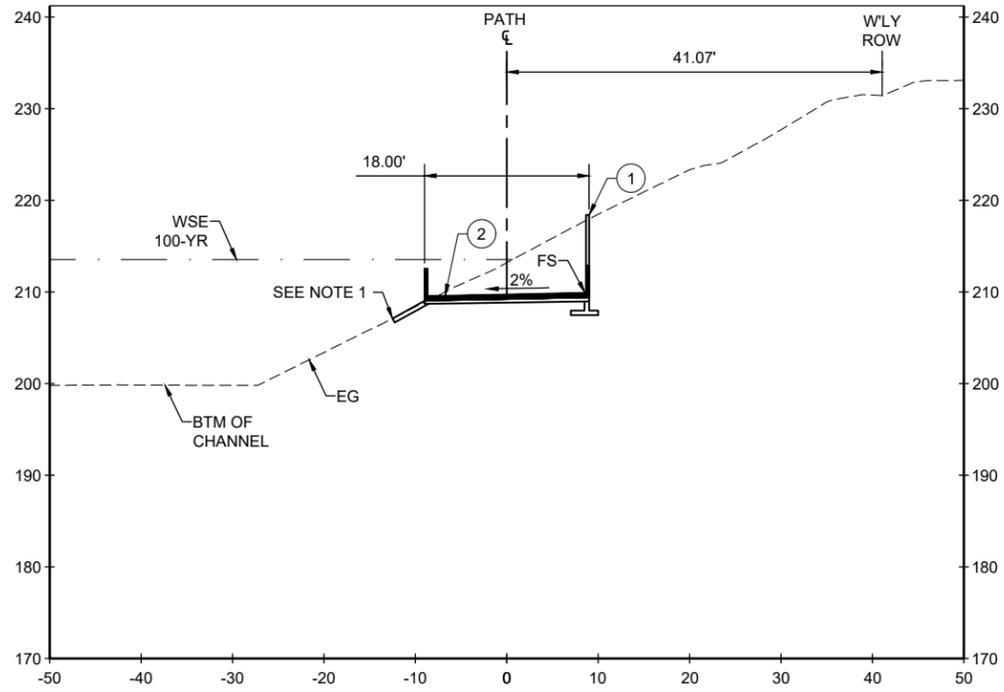
Metro

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

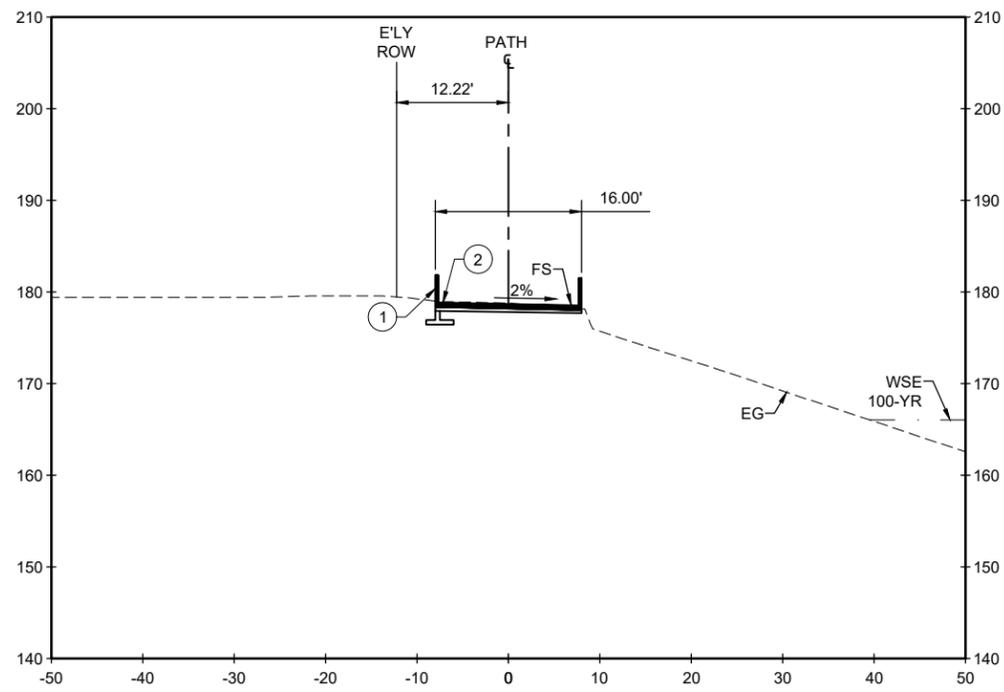
LOS ANGELES RIVER PATH
PROJECT

OPTION 2
INCISED PATH
SECTIONS - SHEET 4

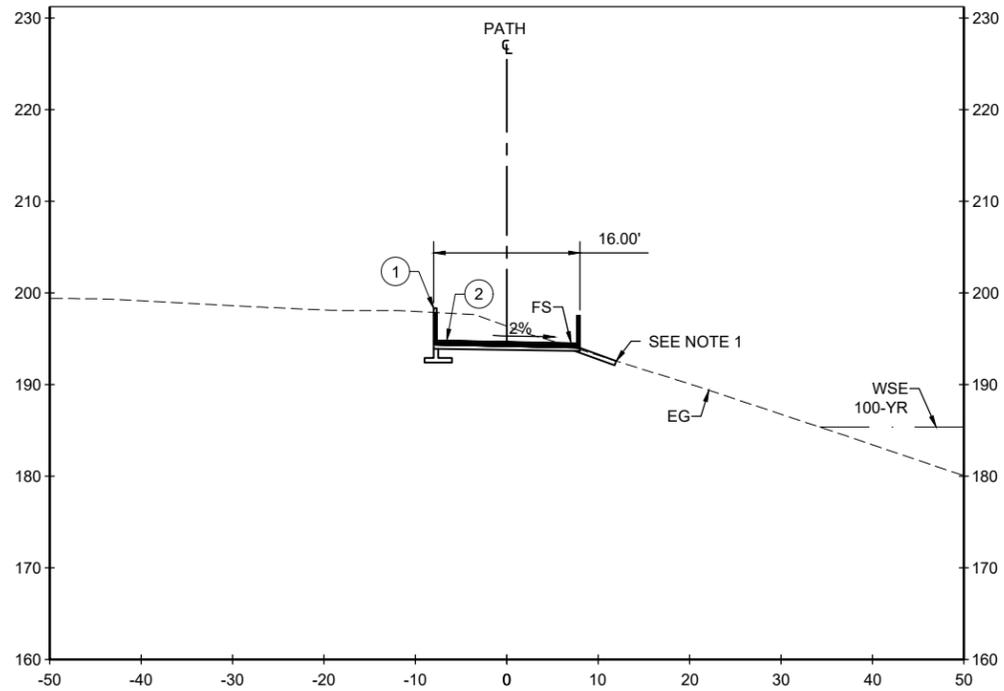
CONTRACT NO.	
DRAWING NO. CX-307	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 65 OF 69	



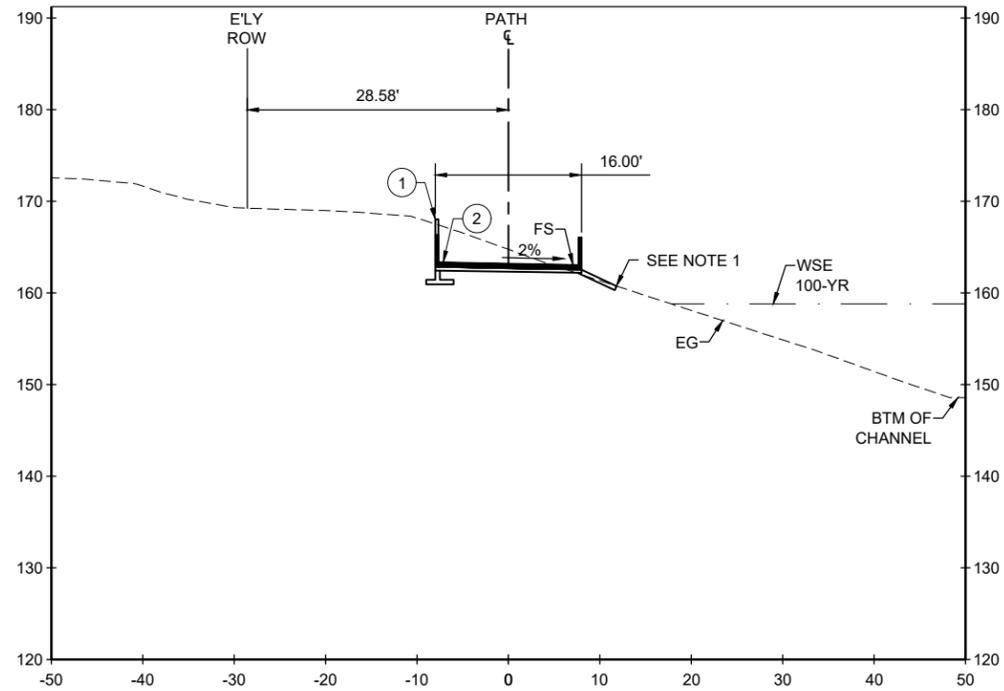
INCISED - MID: C/L 02C-100, STA 36+00.00 (X) CX-301
SCALE: 1" = 10'



INCISED - HIGH: C/L 02C-140, STA 5+00.00 (Z) CX-301
SCALE: 1" = 10'



INCISED - HIGH: C/L 02C-130, STA 10+50.00 (Y) CX-301
SCALE: 1" = 10'



INCISED - HIGH: C/L 02C-140, STA 35+00.00 (AA) CX-301
SCALE: 1" = 10'

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

- NOTES:**
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 - THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\4881\AR-00-CX-308.dwg Last saved by: Tanner Bleyle Pld date: 6/9/2021 4:34 PM Plot date: 6/9/2021 4:34 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

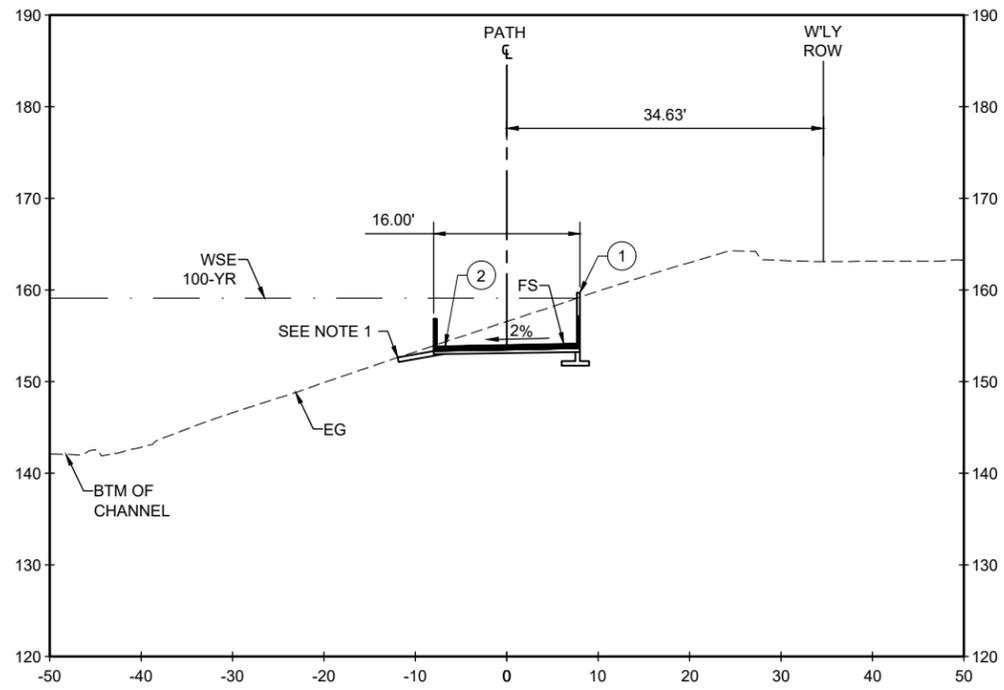
DESIGNED BY
A. MARTINEZ
DRAWN BY
T. BLEYLE
CHECKED BY
J. TISCARENO
IN CHARGE
A. MOTA
DATE
6/15/2021


Metro
 LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



LOS ANGELES RIVER PATH PROJECT
 OPTION 2
 INCISED PATH
 SECTIONS - SHEET 5

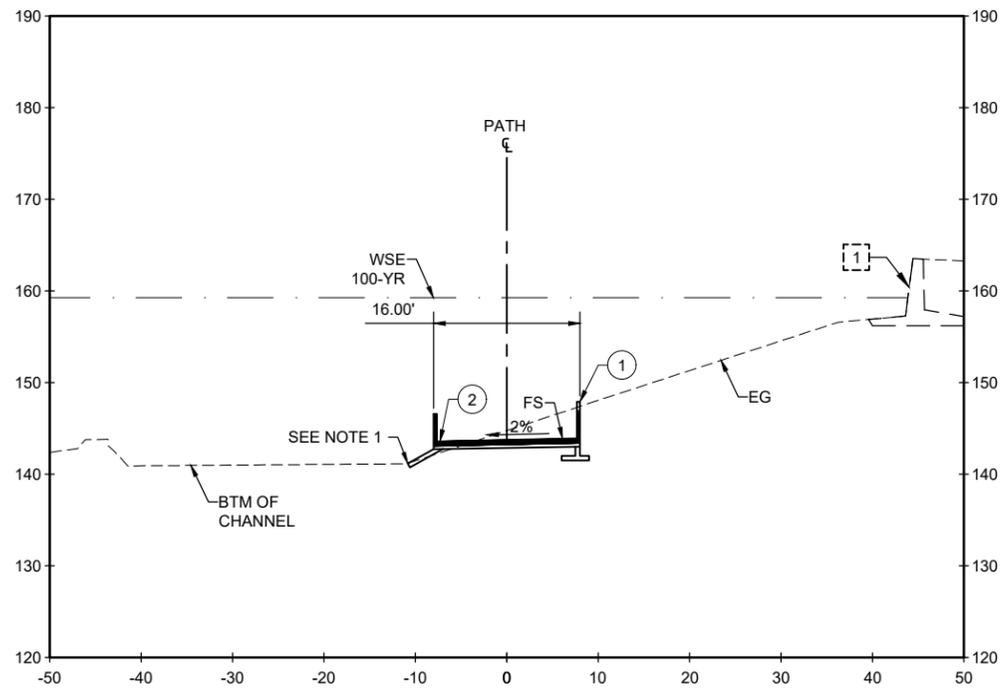
CONTRACT NO.	
DRAWING NO.	REV
CX-308	
SCALE	VERT: 1" = 10'
	HORIZ: 1" = 10'
SHEET NO.	66 OF 69



INCISED - MID: C/L 02C-160, STA 5+00.00

SCALE: 1" = 10'

AB CX-301



INCISED - MID: C/L 02C-160, STA 10+00.00

SCALE: 1" = 10'

AC CX-301

CONSTRUCTION SYMBOLS			
○	CONSTRUCT	○	REMODEL EXISTING
□	EXISTING	□	REMOVE & CONSTRUCT
□	REMOVE	○	WORK BY OTHERS
CONSTRUCTION ITEMS			
ITEM NO.	DESCRIPTION		
1	RETAINING WALL		
2	CONCRETE PATH		

NOTES:

1. JOIN AND REPLACE EXISTING CONCRETE LINING AS NEEDED.
2. THESE DRAWINGS ARE REPRESENTATIVE CROSS SECTIONS AND DO NOT CAPTURE ALL EXISTING AND PROPOSED CONDITIONS ALONG THE PATH. THESE ARE INTENDED TO CAPTURE THE GENERAL RANGE OF CONDITIONS EXPECTED ALONG THE PATH.

Dwg filename: C:\pwworkdir\2021\4881\AR-00-CX-301.dwg Last saved by: Tanner Bleyle Plot date: 6/9/2021 4:34 PM Plot style table: HALF_BW.ctb

CONCEPTUAL ENGINEERING

NOT FOR CONSTRUCTION

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. MARTINEZ
DRAWN BY T. BLEYLE
CHECKED BY J. TISCARENO
IN CHARGE A. MOTA
DATE 6/15/2021

LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY

LOS ANGELES RIVER PATH
PROJECT

OPTION 2
INCISED PATH
SECTIONS - SHEET 6

CONTRACT NO.	
DRAWING NO. CX-309	REV
SCALE VERT: 1" = 10' HORIZ: 1" = 10'	
SHEET NO. 67 OF 69	

Trees



Riparian
Landmark Native to LAR
Establishes/Grows Easily
Winter Deciduous
Shade in Summer
Bare in Winter
Grows Fast - Mature to 30' in 5 Years
To be used in larger planting areas

Platanus Racemosa (California Sycamore) LMN



Establishes/Grows Easily
Evergreen
Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily

Washingtonia filifera (California fan palm)



Establishes/Grows Easily
Evergreen
Low Moisture/Low Irrigation
Drought Resistant
Resilient/Hardy

Quillaja Saponaria (Soapbark Tree)



Establishes/Grows Easily
Evergreen
Low Moisture/Low Irrigation
Resilient/Hardy
Attracts Beneficial Wildlife

Celtis laevigata var. reticulata (Western Hackleberry)

Shrubs and Perennials



Evergreen
Resilient/Hardy
Regenerates Easily
Flowering
Low Moisture/Low Irrigation

Dendromecon Rigida (Bush Poppy)



Grows in rocky Soil
Prefers Drought in Summer
Low Moisture/Low Irrigation

Dudleya Pulverulenta (Chalk Dudley)



Establishes/Grows Easily
Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily
Mild Fragrance

Encelia californica (California Encelia)



Evergreen
Establishes/Grows Easily
Potential Bioswale Use
Minimal Irrigation in Summer
Resilient/Hardy
Regenerates Easily

Juncus patens (Rush)



Evergreen
Establishes/Grows Easily
Grows Well in any Soil
Grows in Sun or Shade
Resilient/Hardy
Regenerates Easily

Muhlenbergia Rigens (Deergrass)



Only Semi-Deciduous, Summer
Low Moisture/Low Irrigation
Pleasant Fragrance
Resilient/Hardy
Regenerates Easily
Familiar to Community
Culturally Relevant

Salvia apiana (White Sage)



Evergreen
Thrives in Rocky Soil
Low Moisture/Low Irrigation
Minimal Irrigation
Thrives in Low Moisture
Culturally Relevant

Yucca whipplei (Our Lords Candle)

Ground Covers



Establishes/Grows Easily
Fire retardant
Familiar to Community
Medicinal

Achillea Millefolium (Yarrow)



Evergreen
Establishes Extremely Easily
Low Moisture/Low Irrigation
Grows Well in most Soil
Resilient/Hardy
Regenerates Easily
Fire Resistant

Baccharis pilularis var. consanguinea (Poza Surf, Lowly Coyote brush)



Evergreen
Does Well in L, M, H Moisture
Resilient/Hardy
Regenerates Easily
Riparian
Used In Bioswale Solution

Carex Praegracilis (Slender Sedge)



Evergreen
Grows in all Moisture Conditions
Survives all Irrigation Conditions
Resilient/Hardy
Regenerates Easily

Leymus Condensatus (Giant Ryegrass)

Vines



Climbing Vine
Establishes/Grows Easily
Resilient/Hardy
Regenerates Easily
Low Moisture/Low Irrigation

Calystegia Macrostegia ssp. Arida (Finger-leaf)



Climbing Vine
Establishes/Grows Easily
Resilient/Hardy
Regenerates Easily
Low Moisture/Low Irrigation
Currently Used at Other LAR Locations

Vitis Girdiana (Desert Grape)

GENERAL SHEET NOTES

SHEET KEYNOTES

1. PLANTING PALETTES SHOWN TO COMMUNICATE PRELIMINARY DESIGN INTENT AND RANGE OF PLANTING OPTIONS. ADDITIONAL SPECIES MAY BE CONSIDERED BASED ON CONTEXT, DESIGN INTENT, AND COMMUNITY FEEDBACK.

2. ALL PLANTING AREAS TO INCLUDE DRIP IRRIGATION OR APPROVED ALTERNATIVE. THE IRRIGATION SYSTEM IS TO BE DESIGNED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.

KEY MAP

NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE



LOS ANGELES COUNTY
METROPOLITAN TRANSPORTATION AUTHORITY



LOS ANGELES RIVER PATH
PROPOSED PROJECT, OPTION 1, OPTION 2
PLANTING MATERIALS PALETTE
CORE PLANT PALETTE

CONTRACT NO	AE47795000
DRAWING NO	PL-1
SCALE	AS SHOWN
SHEET NO	68 of 69

Trees



Cercis occidentalis (Western Redbud)

Riparian
Decorative
Establishes/Grows Easily
Winter Deciduous
Shade in Summer
Sun in Winter



Parkinsonia florida (Blue Palo Verde)

Decorative
Extremely Low Moisture
Very Low Irrigation
Fast Growing
Low Maintenance
Attracts Beneficial Wildlife



Chitalpa tashkentensis (Chitalpa)

Decorative
Low Moisture
Low Irrigation
Fast Growing
Low Maintenance
Attracts Beneficial Wildlife



Chilopsis linearis (Desert Willow)

Can be Dwarfed
Low Moisture
Low Irrigation
Decorative
Deciduous Foliage

Shrubs and Perennials



Hoaryleaf Ceanothus (Ceanothus Crassifolius)

Evergreen
Low Moisture/Low Irrigation
Resilient/Hardy
Spiny - Abatement Application



Epilobium canum ssp. latifolium (California fuchsia)

Establishes/Grows Easily
Decorative
Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily
Mild Fragrance
Attracts Beneficial Wildlife



Eriogonum fasciculatum var. foliolosum (California buckwheat)

Evergreen
Decorative
Very Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily
Attracts Beneficial Wildlife



Eriodictyon trichocalyx (hairy yerba santa)

Evergreen
Establishes/Grows Easily
Ext. Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily
Mild Fragrance
Attracts Beneficial Wildlife



Isomeris arborea Cleome isomeris (Bladderpod)

Establishes/Grows Easily
Very Low Moisture/Low Irrigation
Resilient/Hardy
Regenerates Easily
Pleasant Fragrance



Mimulus aurantiacus (Bush Monkeyflower)

Evergreen
Low Moisture/Low Irrigation
Resilient/Hardy
Grows Easily in Dry Soil
Attracts Beneficial Wildlife



Salvia leucophylla (Purple Sage)

Evergreen, Summer Semi-Deciduous
Establishes/Grows Easily
Very Low Moisture/Low Irrigation
Resilient/Hardy
Grows Well in Most Soil
Regenerates Easily
Pleasant Fragrance
Culturally Relevant
Attracts Beneficial Wildlife



Salvia mellifera (Black Sage)

Evergreen, Summer Semi-Deciduous
Keystone Species
Establishes/Grows Easily
Very Low Moisture/Low Irrigation
Resilient/Hardy
Grows Well in Most Soil
Regenerates Easily
Pleasant Fragrance
Culturally Relevant
Attracts Wildlife

Ground Covers



Lessingia filaginifolia (California-aster)

Establishes/Grows Easily
Very Low Moisture/Low Irrigation
Resilient/Hardy
Grows Well in Most Soil
Regenerates Easily
Pleasant Fragrance
Culturally Relevant
Attracts Beneficial Wildlife



Salvia spathacea (Pitcher Sage)

Evergreen
Establishes/Grows Easily
Very Low Moisture/Low Irrigation
Drought Tolerant
Resilient/Hardy
Grows Well in Most Soil
Regenerates Easily
Pleasant Fragrance
Culturally Relevant
Attracts Beneficial Wildlife
Thrives in Shaded Conditions



Sisyrinchium bellum (Blue-eyed Grass)

Decorative
Establishes/Grows Easily
Low Moisture/Low Irrigation
Resilient/Hardy
Fire Retardant

Vines



Clematis lasiantha (pipestems)

Decorative
Establishes/Grows Easily
Low Moisture/Low Irrigation
Resilient/Hardy
Fire Retardant



Virgin's Bower (Clematis ligusticifolia)

Decorative
Establishes/Grows Easily
Low Moisture/Low Irrigation
Resilient/Hardy
Fire Retardant

GENERAL SHEET NOTES

SHEET KEYNOTES

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2. ALL PLANTING AREAS TO INCLUDE DRIP IRRIGATION OR APPROVED ALTERNATIVE. THE IRRIGATION SYSTEM IS TO BE DESIGNED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.

KEY MAP

NOT FOR CONSTRUCTION

CONCEPTUAL ENGINEERING

REV	DATE	BY	APP	REG NO	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY A. VILLALOBOS
DRAWN BY A. VILLALOBOS
CHECKED BY F. VILLALOBOS
IN CHARGE F. VILLALOBOS
DATE AE47795000



LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY



LOS ANGELES RIVER PATH
PROPOSED PROJECT, OPTION 1, OPTION 2
PLANTING MATERIALS PALETTE
MASTER PLANT PALETTE

CONTRACT NO	
DRAWING NO PL-2	REV
SCALE AS SHOWN	
SHEET NO 69 of 69	