



OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR
LOS ALAMITOS CHANNEL (C01)
EARTHEN SLOPE IMPROVEMENTS



LOCATION MAP



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 1ST DAY OF FEBRUARY, 2021.

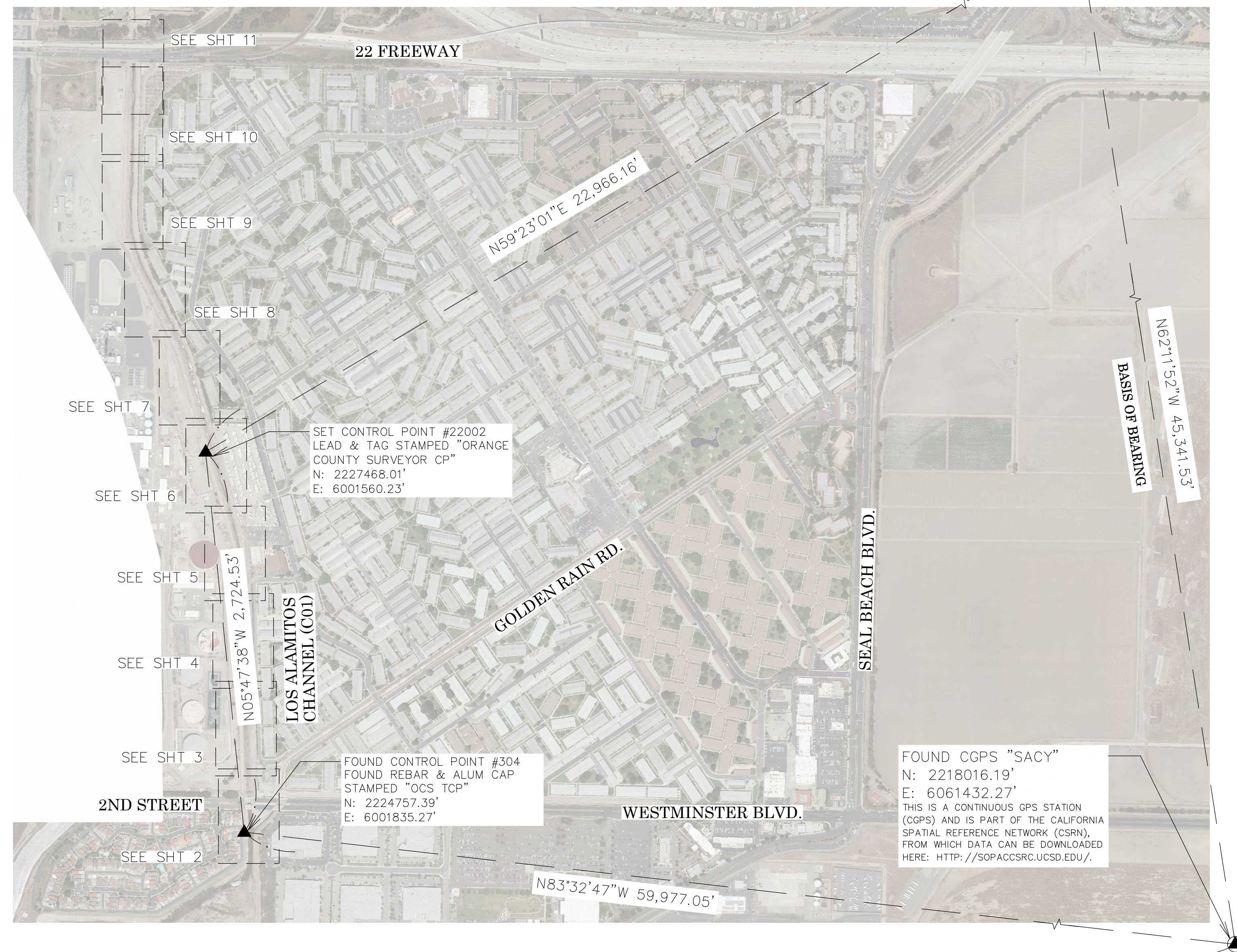
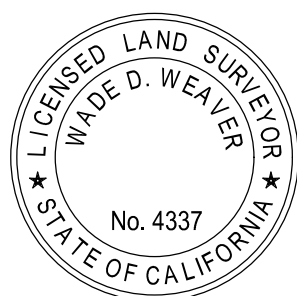
JESOM MORENO, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 1ST DAY OF FEBRUARY, 2021.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (BLSA) AND (SACY) BEING NORTH 62°11'52\"/>

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00001225.

THIS COMBINATION FACTOR WAS DERIVED BY HOLDING POINT #22002
N: 2227468.01, E: 6001560.23, EL: 8.64'

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 1E-71-69 ELEV. = 197.808' YEAR LEVELED: 1988

NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: FOUND 3 3/4\"/>

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

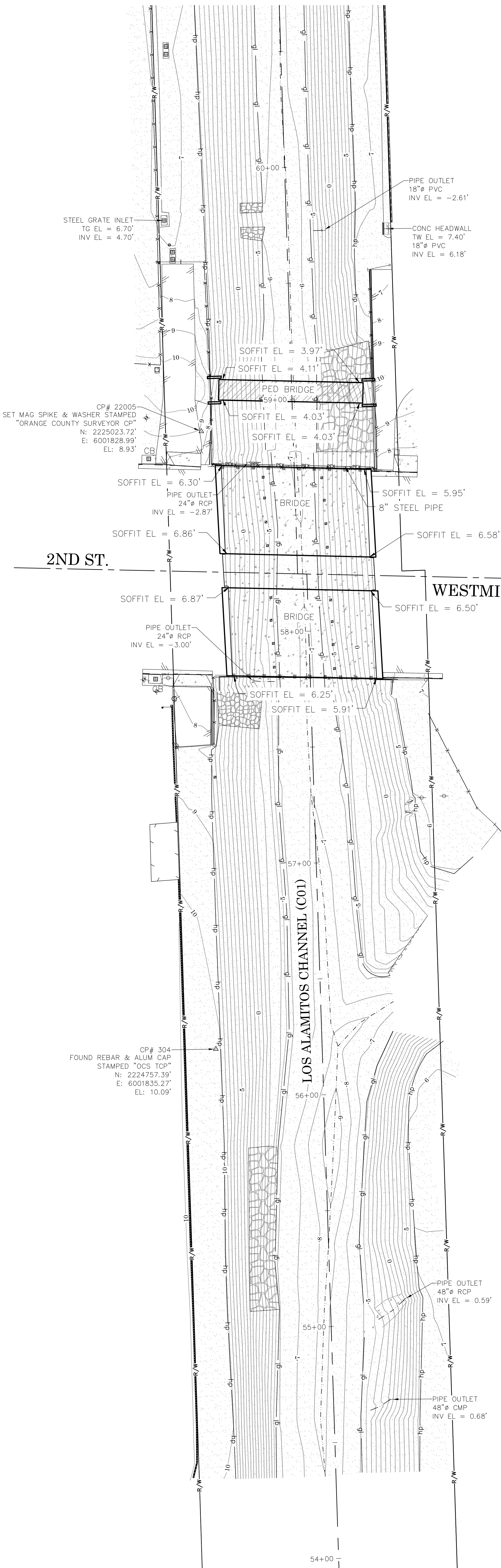
SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET	1	TITLE SHEET
SHEET	2-11	TOPOGRAPHIC MAP
SHEET	12-19	CROSS-SECTIONS

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE LOS ALAMITOS CHANNEL (C01).

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS			
TITLE SHEET			
PROJECT LIMITS: FROM WESTMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)			
DATE OF SURVEY: 12/24/2020	BY: J. JOHNS	SHEET NO.	
MAPPING	BY: A. VU	1	
OFFICE CHECK	BY: J. MORENO, PLS.	of	
FIELD CHECK	BY: J. JOHNS	19	
SCALE: NTS	W.O. #EF20403P	FILE #2021PW-PR0001	
FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG			



SYMBOL

Control Box Undefined

Control Point

Gate, Double

Gate, Rolling

Gate, Single

Grate Inlet

Guy Wire Anchor

Manhole Storm Drain

Manhole Water

Meter Undefined

Meter Water

Pipe Inlet/Outlet

Post

Sign Post

Utility Pole, Underground

Valve Unidentified

Valve Water

Vault Electrical

Vault Undefined

Vent Pipe

ABBREVIATION

CB

Catch Basin

CONC

Concrete

CP

Control Point

DIA

Diameter

ECMH

Electrical Manhole

EL

Elevation

ENC

Encroachment

FS

Finished Surface

FL

Flowline

FD

Found

INV

Invert

PED

Pedestrian

TW

Top of Wall

LINE PATTERN KEY

Block Wall

Building Outline

Centerline

Concrete Wall

Edge of Concrete

Edge of Asphalt Pavement

Fence Chainlink

Fence Wrought Iron

Flowline

Grade Line

Guard Rail

Hinge Point

Property Line

Retaining Wall

Right of Way

AREA PATTERN KEY

Concrete

Dirt

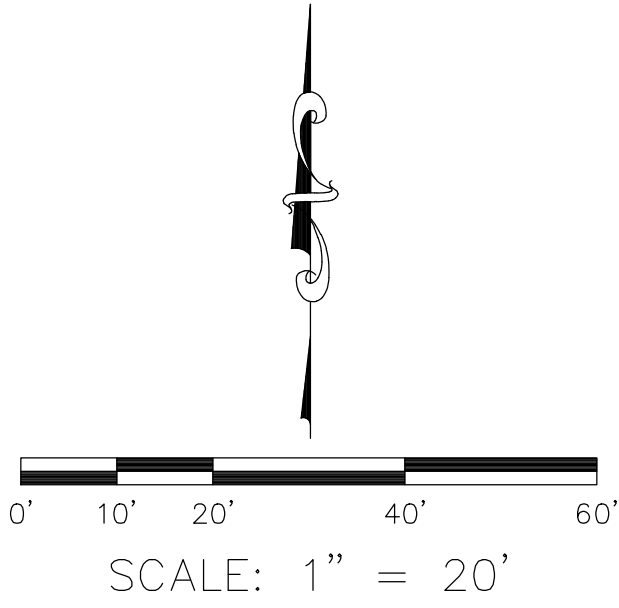
Gravel

Rip Rap

Wood

NOTES

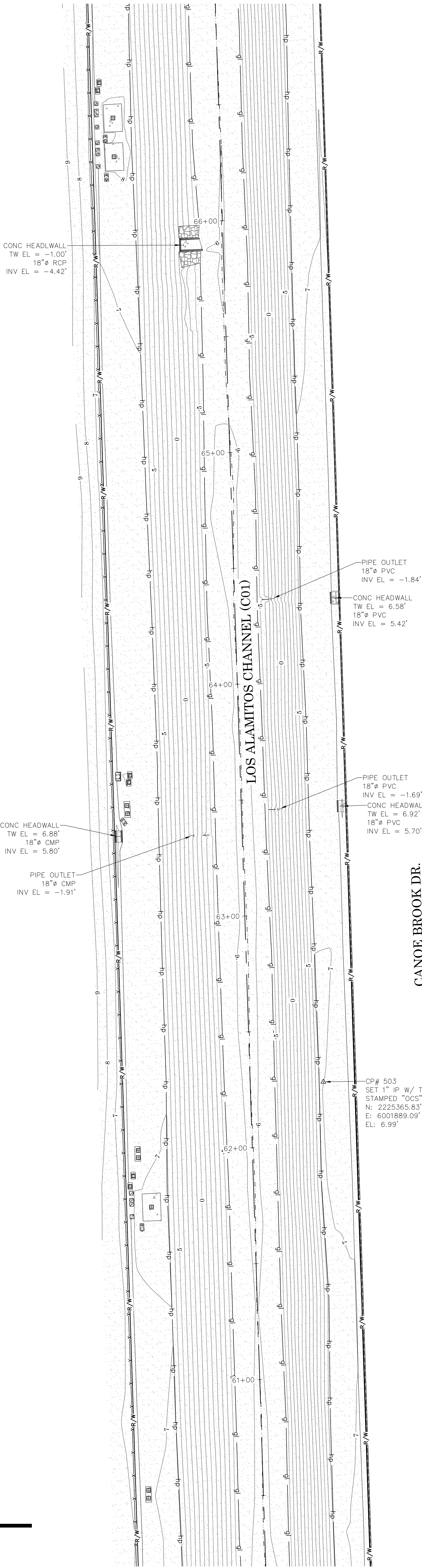
CENTERLINES, RIGHT OF WAY AND PROPERTY LINES SHOWN BASED ON RECORD DATA FROM RECORD MAPS/DOCUMENTS AND TO BE USED FOR GRAPHICAL PURPOSES ONLY. UPON COMPLETION OF A BOUNDARY FIELD SURVEY, AN UPDATED SET OF PLANS, TO INCLUDE BOUNDARY NOTES AND ESTABLISHMENT, WILL BE SUBMITTED.



U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM WESTMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)		
		DATE OF SURVEY: 12/24/2020	BY: J. JOHNS	SHEET NO. 2 of 19	
		MAPPING	BY: A. VU		
		OFFICE CHECK	BY: J. MORENO, PLS		
		FIELD CHECK	BY: J. JOHNS		
MARK	DATE	ITEM	SCALE: 1" = 20'	W.O. #EF20403P	FILE #2021PW-PR0001
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG		



LEGEND

SYMBOL

- Control Box Undefined
- Control Point
- Gate, Double
- Gate, Rolling
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Manhole Water
- Meter Undefined
- Meter Water
- Pipe Inlet/Outlet
- Post
- Sign Post
- Utility Pole, Underground
- Valve Unidentified
- Valve Water
- Vault Electrical
- Vault Undefined
- Vent Pipe

LINE PATTERN KEY

- Block Wall
- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Retaining Wall
- Right of Way

AREA PATTERN KEY

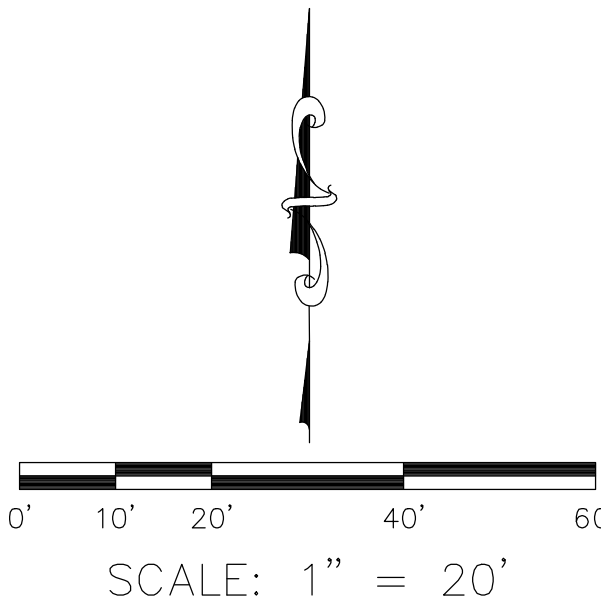
- Concrete
- Dirt
- Gravel
- Rip Rap
- Wood

ABBREVIATION

CB	Catch Basin
CONC	Concrete
CP	Control Point
DIA	Diameter
ECMH	Electrical Manhole
EL	Elevation
ENC	Encroachment
FS	Finished Surface
FL	Flowline
FD	Found
INV	Invert
PED	Pedestrian
TW	Top of Wall

NOTES
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CANOE BROOK DR.



U.S. Survey
Foot

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OC Survey/Field Services
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			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS		
			TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)		
MARK	DATE	ITEM	DATE OF SURVEY: 12/24/2020		SHEET NO. 3 of 19
			MAPPING		
			OFFICE CHECK		
			FIELD CHECK		
			SCALE: 1" = 20'	W.O. #EF20403P	FILE # 2021PW-PR0001
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG		

LEGEND

SYMBOL		LINE PATTERN KEY	
	Control Box Undefined		Block Wall
	Control Point		Building Outline
	Gate, Double		Centerline
	Gate, Rolling		Concrete Wall
	Gate, Single		Edge of Concrete
	Grate Inlet		Edge of Asphalt Pavement
	Guy Wire Anchor		Fence Chainlink
	Manhole Storm Drain		Fence Wrought Iron
	Manhole Water		Flowline
	Meter Undefined		Grade Line
	Meter Water		Guard Rail
	Pipe Inlet/Outlet		Hinge Point
	Post		Property Line
	Sign Post		Retaining Wall
	Utility Pole, Underground		Right of Way
	Valve Unidentified		
	Valve Water		
	Vault Electrical		
	Vault Undefined		
	Vent Pipe		

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AREA PATTERN KEY	
	Concrete
	Dirt
	Gravel
	Rip Rap
	Wood

CANOE BROOK DR.

NOTES
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CP# 502
SET LEAD & TAG STAMPED
"ORANGE COUNTY SURVEYOR CP"
N: 2226024.37'
E: 6001786.87'
EL: 7.23'

PIPE OUTLET
18"Ø CMP
INV EL = -2.28'

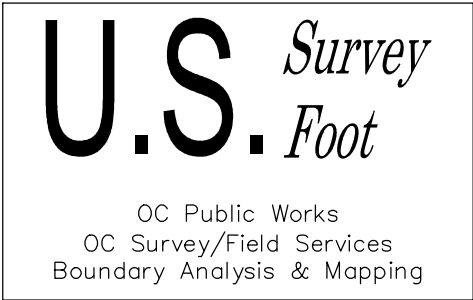
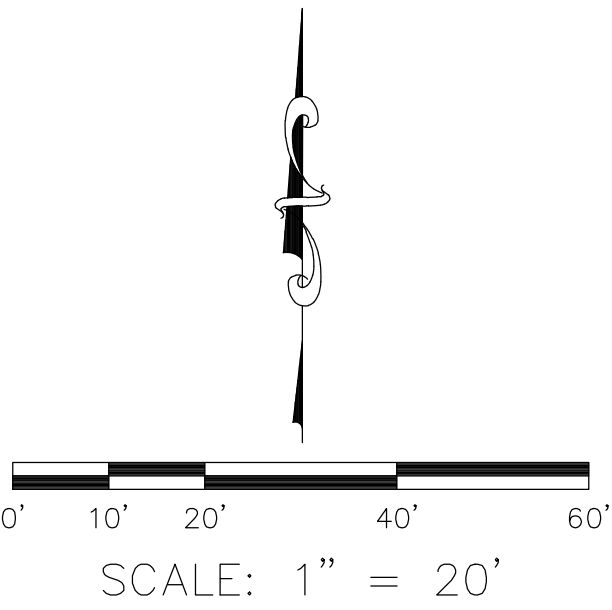
CONC HEADWALL
TW EL = 7.31'
18"Ø CMP
INV EL = 6.13'

PIPE OUTLET
18"Ø PVC
INV EL = -1.81'

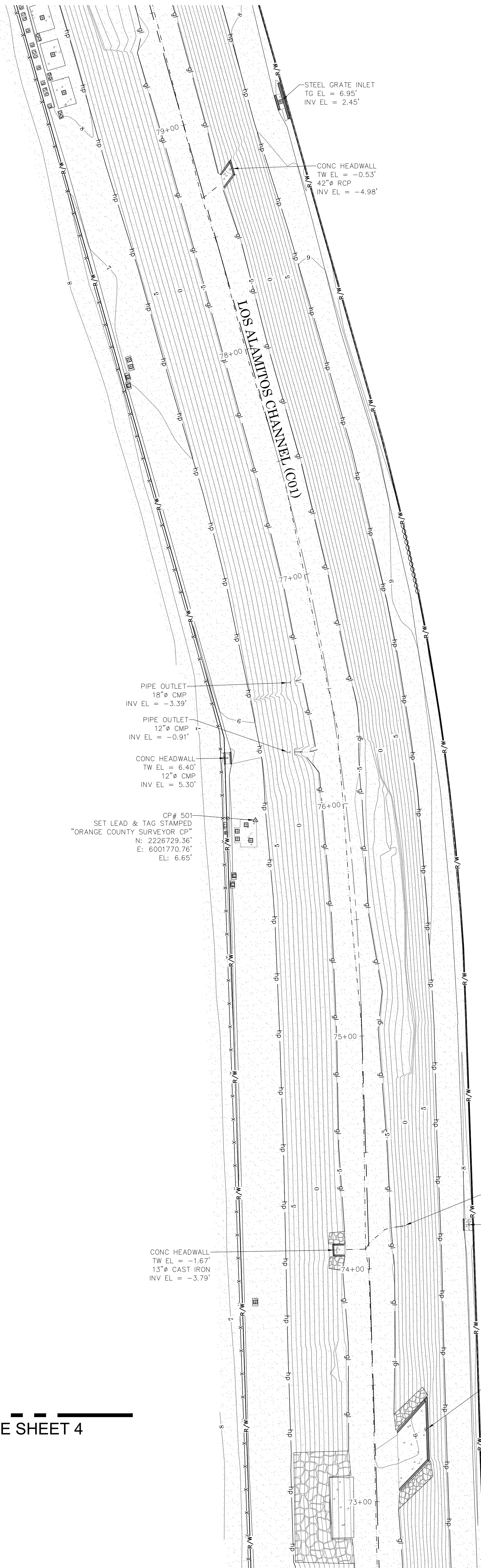
CONC HEADWALL
TW EL = 7.78'
18"Ø PVC
INV EL = 6.65'

PIPE OUTLET
18"Ø PVC
INV EL = -1.56'

CONC HEADWALL
TW EL = 7.71'
18"Ø PVC
INV EL = 6.59'



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS			
			TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)			
MARK	DATE	ITEM	DATE OF SURVEY: 12/24/2020		BY: J. JOHNS	SHEET NO. 4 of 19
			MAPPING			
			OFFICE CHECK		BY: J. MORENO, PLS	
			FIELD CHECK			
REVISIONS			SCALE: 1" = 20'	W.O. #EF20403P	FILE # 2021PW-PR0001	
			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG			



LEGEND

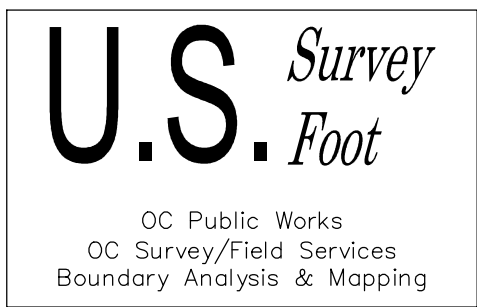
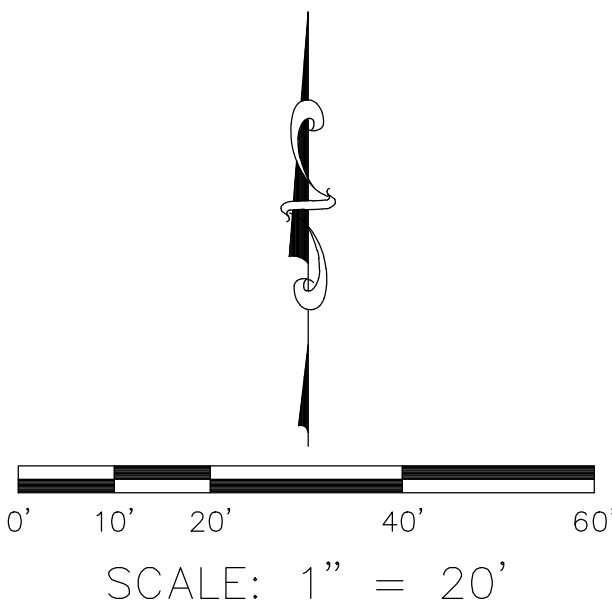
SYMBOL		LINE PATTERN KEY	
	Control Box Undefined		Block Wall
	Control Point		Building Outline
	Gate, Double		Centerline
	Gate, Rolling		Concrete Wall
	Gate, Single		Edge of Concrete
	Grate Inlet		Edge of Asphalt Pavement
	Guy Wire Anchor		Fence Chainlink
	Manhole Storm Drain		Fence Wrought Iron
	Manhole Water		Flowline
	Meter Undefined		Grade Line
	Meter Water		Guard Rail
	Pipe Inlet/Outlet		Hinge Point
	Post		Property Line
	Sign Post		Retaining Wall
	Utility Pole, Underground		Right of Way
	Valve Unidentified	AREA PATTERN KEY	
	Valve Water		Concrete
	Vault Electrical		Dirt
	Vault Undefined		Gravel
	Vent Pipe		Rip Rap
			Wood
ABBREVIATION			
CB	Catch Basin		
CONC	Concrete		
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DIA	Diameter		
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PED	Pedestrian		
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NOTES

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SEE SHEET 4

CANOE BROOK DR.



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)	
		DATE OF SURVEY: 12/24/2020	BY: J. JOHNS
		MAPPING	BY: A. VU
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: J. JOHNS
		SCALE: 1" = 20'	W.O. #EF20403P
		FILE: #2021PW-PR0001	
		FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	
MARK	DATE	ITEM	
REVISIONS			
			SHEET NO. 5 of 19

LEGEND

SYMBOL		LINE PATTERN KEY	
	Control Box Undefined		Block Wall
	Control Point		Building Outline
	Gate, Double		Centerline
	Gate, Rolling		Concrete Wall
	Gate, Single		Edge of Concrete
	Grate Inlet		Edge of Asphalt Pavement
	Guy Wire Anchor		Fence Chainlink
	Manhole Storm Drain		Fence Wrought Iron
	Manhole Water		Flowline
	Meter Undefined		Grade Line
	Meter Water		Guard Rail
	Pipe Inlet/Outlet		Hinge Point
	Post		Property Line
	Sign Post		Retaining Wall
	Utility Pole, Underground		Right of Way

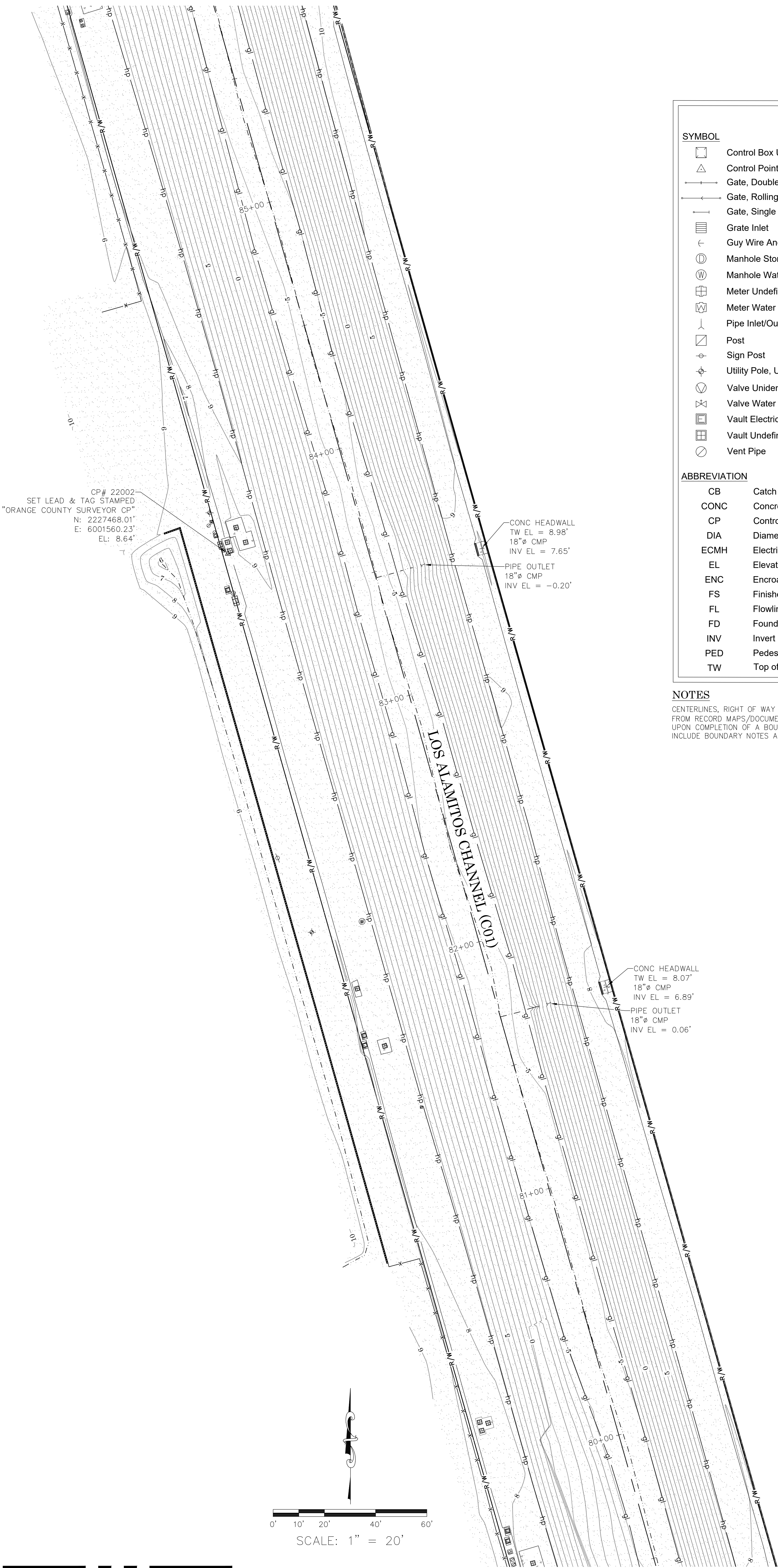
AREA PATTERN KEY

ABBREVIATION

CB	Catch Basin
CONC	Concrete
CP	Control Point
DIA	Diameter
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EL	Elevation
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FS	Finished Surface
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NOTES

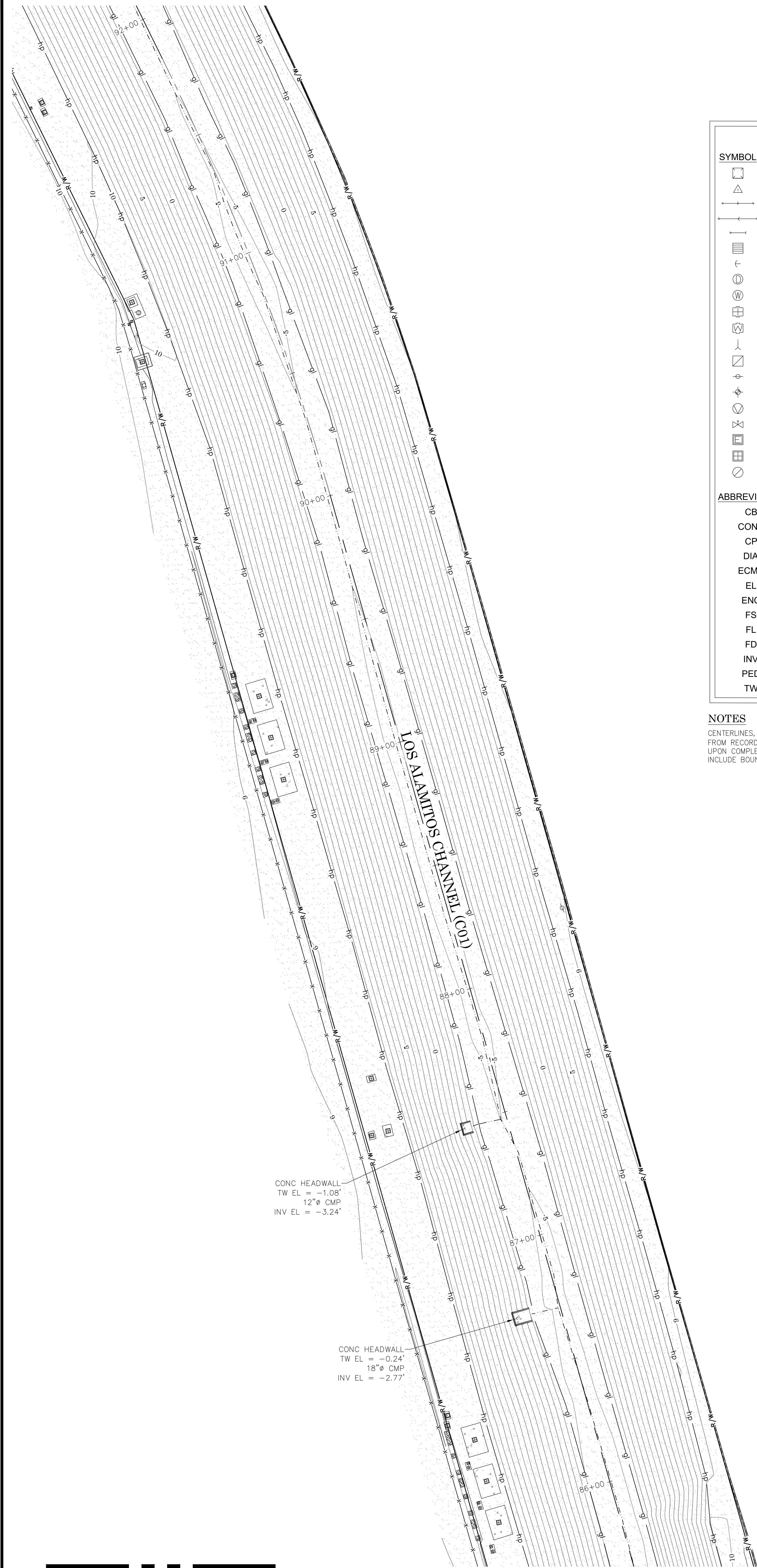
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


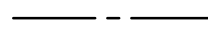
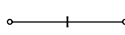

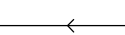












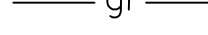

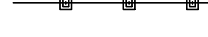

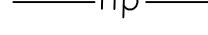













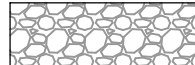


U.S. Survey
Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

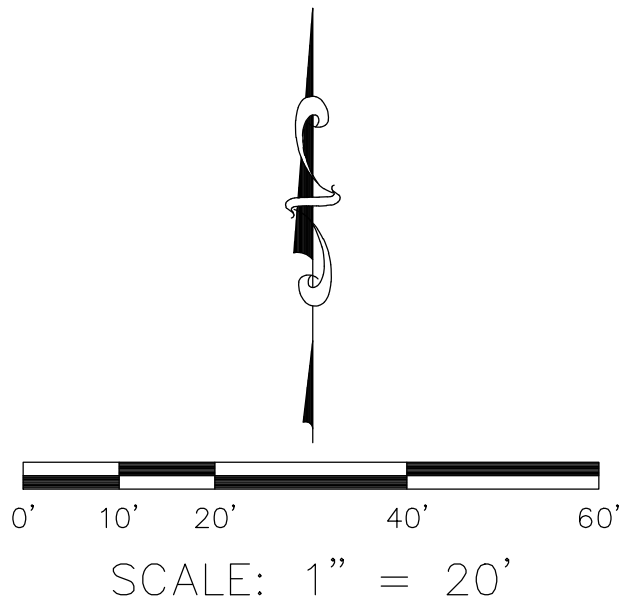
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)		
DATE OF SURVEY: 12/24/2020		BY: J. JOHNS		SHEET NO. 6 of 19	
MAPPING		BY: A. VU			
OFFICE CHECK		BY: J. MORENO, PLS			
FIELD CHECK		BY: J. JOHNS			
MARK	DATE	ITEM	SCALE: 1" = 20'	W.O. #EF20403P	FILE # 2021PW-PR0001
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG		



LEGEND

SYMBOL		LINE PATTERN KEY	
	Control Box Undefined		Block Wall
	Control Point		Building Outline
	Gate, Double		Centerline
	Gate, Rolling		Concrete Wall
	Gate, Single		Edge of Concrete
	Grate Inlet		Edge of Asphalt Pavement
	Guy Wire Anchor		Fence Chainlink
	Manhole Storm Drain		Fence Wrought Iron
	Manhole Water		Flowline
	Meter Undefined		Grade Line
	Meter Water		Guard Rail
	Pipe Inlet/Outlet		Hinge Point
	Post		Property Line
	Sign Post		Retaining Wall
	Utility Pole, Underground		Right of Way
	Valve Unidentified		
	Valve Water		
	Vault Electrical		
	Vault Undefined		
	Vent Pipe		
ABBREVIATION		AREA PATTERN KEY	
CB	Catch Basin		Concrete
CONC	Concrete		Dirt
CP	Control Point		Gravel
DIA	Diameter		Rip Rap
ECMH	Electrical Manhole		Wood
EL	Elevation		
ENC	Encroachment		
FS	Finished Surface		
FL	Flowline		
FD	Found		
INV	Invert		
PED	Pedestrian		
TW	Top of Wall		

NOTES
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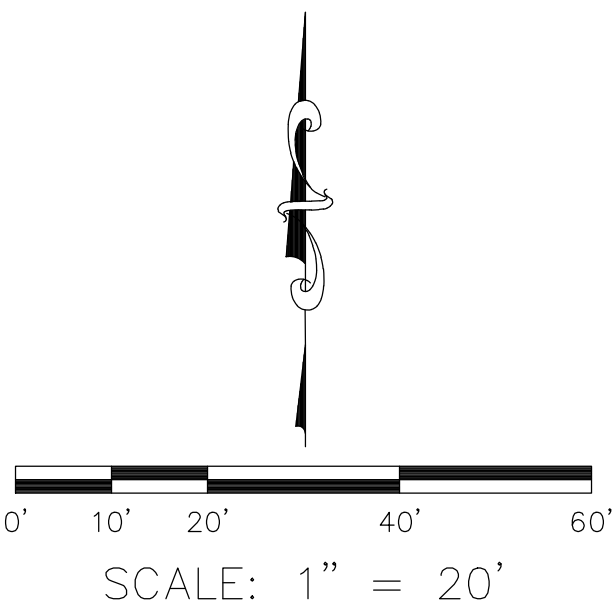
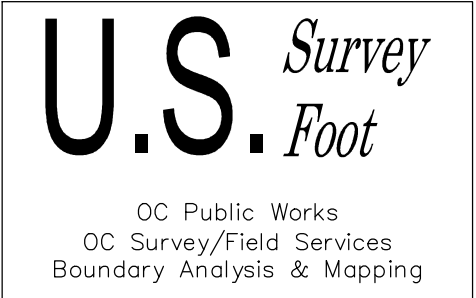
		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREDWAY (UPSTREAM)	
		DATE OF SURVEY: 12/24/2020 MAPPING OFFICE CHECK FIELD CHECK SCALE: 1" = 20'	BY: J. JOHNS BY: A. VU BY: J. MORENO, PLS BY: J. JOHNS W.O. #EF20403P FILE #2021PW-PR0001 FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG
MARK	DATE	ITEM	SHEET NO. 7 of 19
REVISIONS			

LEGEND

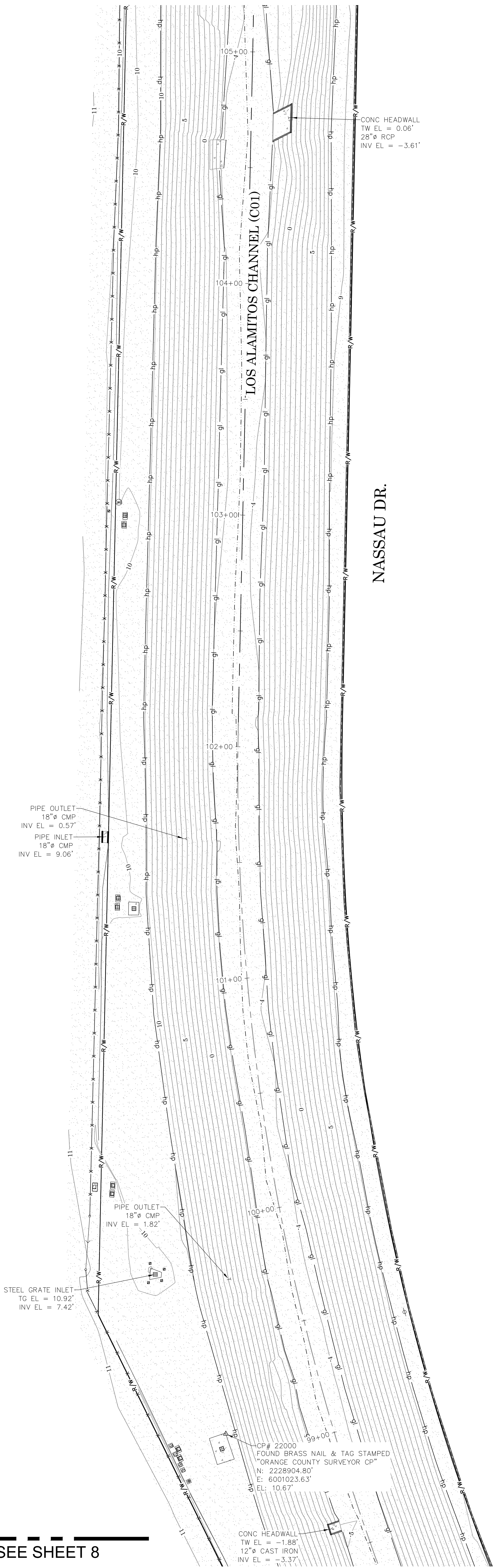
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	Manhole Water		Flowline
	Meter Undefined		Grade Line
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	Post		Property Line
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	Valve Unidentified	AREA PATTERN KEY	
	Valve Water		Concrete
	Vault Electrical		Dirt
	Vault Undefined		Gravel
	Vent Pipe		Rip Rap
ABBREVIATION			Wood
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


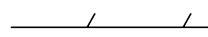









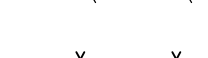

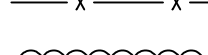





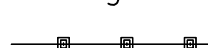

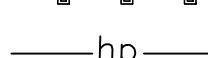

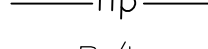

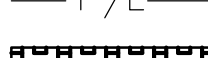

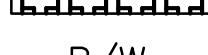






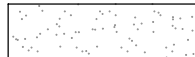
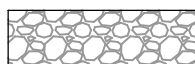
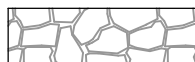



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS		
			TOPOGRAPHIC MAP		
			PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)		
MARK	DATE	ITEM	DATE OF SURVEY: 12/24/2020		SHEET NO. 8 of 19
			MAPPING		
			OFFICE CHECK		
			FIELD CHECK		
REVISIONS			SCALE: 1" = 20'	W.O. #EF20403P	FILE # 2021PW-PR0001
			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG		

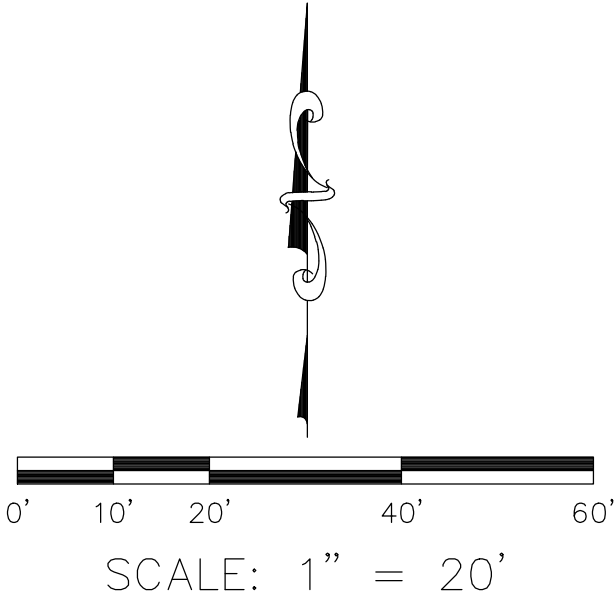


NASSAU DR.

LEGEND

SYMBOL		LINE PATTERN KEY	
	Control Box Undefined		Block Wall
	Control Point		Building Outline
	Gate, Double		Centerline
	Gate, Rolling		Concrete Wall
	Gate, Single		Edge of Concrete
	Grate Inlet		Edge of Asphalt Pavement
	Guy Wire Anchor		Fence Chainlink
	Manhole Storm Drain		Fence Wrought Iron
	Manhole Water		Flowline
	Meter Undefined		Grade Line
	Meter Water		Guard Rail
	Pipe Inlet/Outlet		Hinge Point
	Post		Property Line
	Sign Post		Retaining Wall
	Utility Pole, Underground		Right of Way
	Valve Unidentified		
	Valve Water		
	Vault Electrical		
	Vault Undefined		
	Vent Pipe		
ABBREVIATION		AREA PATTERN KEY	
CB	Catch Basin		Concrete
CONC	Concrete		Dirt
CP	Control Point		Gravel
DIA	Diameter		Rip Rap
ECMH	Electrical Manhole		Wood
EL	Elevation		
ENC	Encroachment		
FS	Finished Surface		
FL	Flowline		
FD	Found		
INV	Invert		
PED	Pedestrian		
TW	Top of Wall		

NOTES
CENTERLINES, RIGHT OF WAY AND PROPERTY LINES SHOWN BASED ON RECORD DATA FROM RECORD MAPS/DOCUMENTS AND TO BE USED FOR GRAPHICAL PURPOSES ONLY. UPON COMPLETION OF A BOUNDARY FIELD SURVEY, AN UPDATED SET OF PLANS, TO INCLUDE BOUNDARY NOTES AND ESTABLISHMENT, WILL BE SUBMITTED.



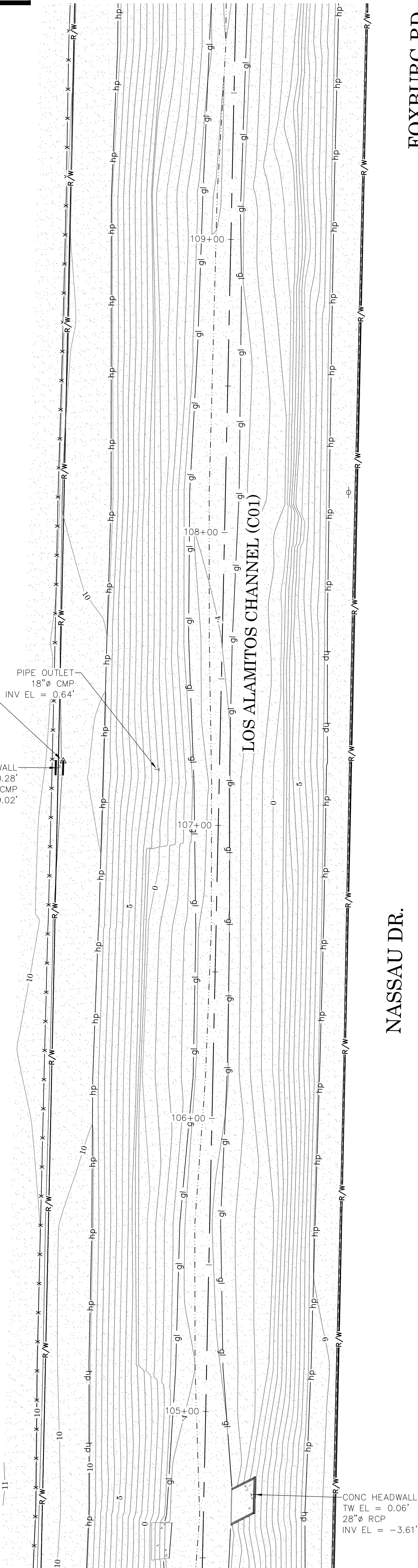
U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS	
		TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)	
		DATE OF SURVEY: 12/24/2020	BY: J. JOHNS
		MAPPING	BY: A. VU
		OFFICE CHECK	BY: J. MORENO, PLS
		FIELD CHECK	BY: J. JOHNS
		SCALE: 1" = 20'	W.O. #EF20403P
		FILE: #2021PW-PR0001	
		FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	
MARK	DATE	ITEM	SHEET NO.
REVISIONS			9 of 19

SEE SHEET 11

CP# 500-
SET LEAD & TAG STAMPED
"ORANGE COUNTY SURVEYOR CP"
N: 2229723.18'
E: 6000986.62'
EL: 10.33'
CONC HEADWALL
TW EL = 10.28'
18"Ø CMP
INV EL = 9.02'



NASSAU DR.

FOXBURG RD.

LEGEND

SYMBOL

- Control Box Undefined
- Control Point
- Gate, Double
- Gate, Rolling
- Gate, Single
- Grate Inlet
- Guy Wire Anchor
- Manhole Storm Drain
- Manhole Water
- Meter Undefined
- Meter Water
- Pipe Inlet/Outlet
- Post
- Sign Post
- Utility Pole, Underground
- Valve Unidentified
- Valve Water
- Vault Electrical
- Vault Undefined
- Vent Pipe

LINE PATTERN KEY

- Block Wall
- Building Outline
- Centerline
- Concrete Wall
- Edge of Concrete
- Edge of Asphalt Pavement
- Fence Chainlink
- Fence Wrought Iron
- Flowline
- Grade Line
- Guard Rail
- Hinge Point
- Property Line
- Retaining Wall
- Right of Way

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap
- Wood

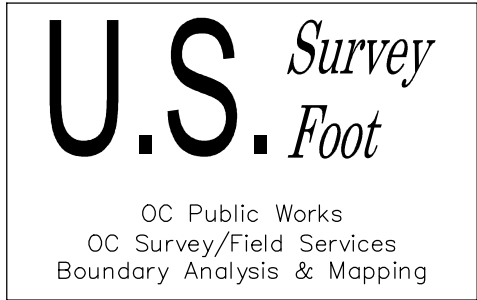
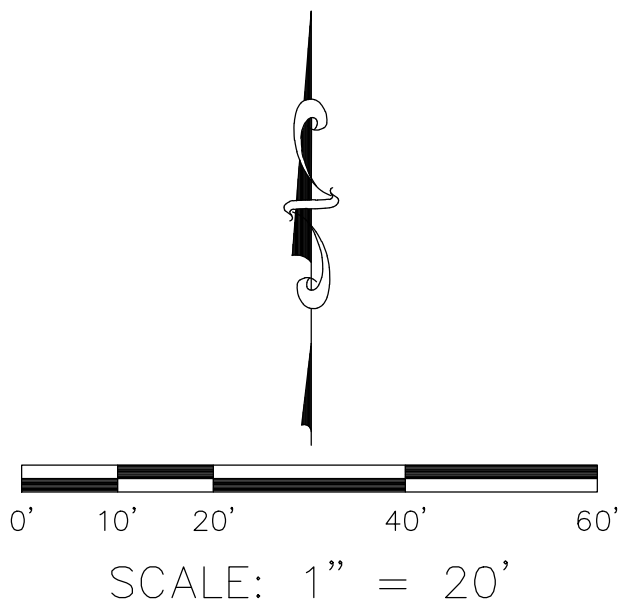
ABBREVIATION

- CB Catch Basin
- CONC Concrete
- CP Control Point
- DIA Diameter
- ECMH Electrical Manhole
- EL Elevation
- ENC Encroachment
- FS Finished Surface
- FL Flowline
- FD Found
- INV Invert
- PED Pedestrian
- TW Top of Wall

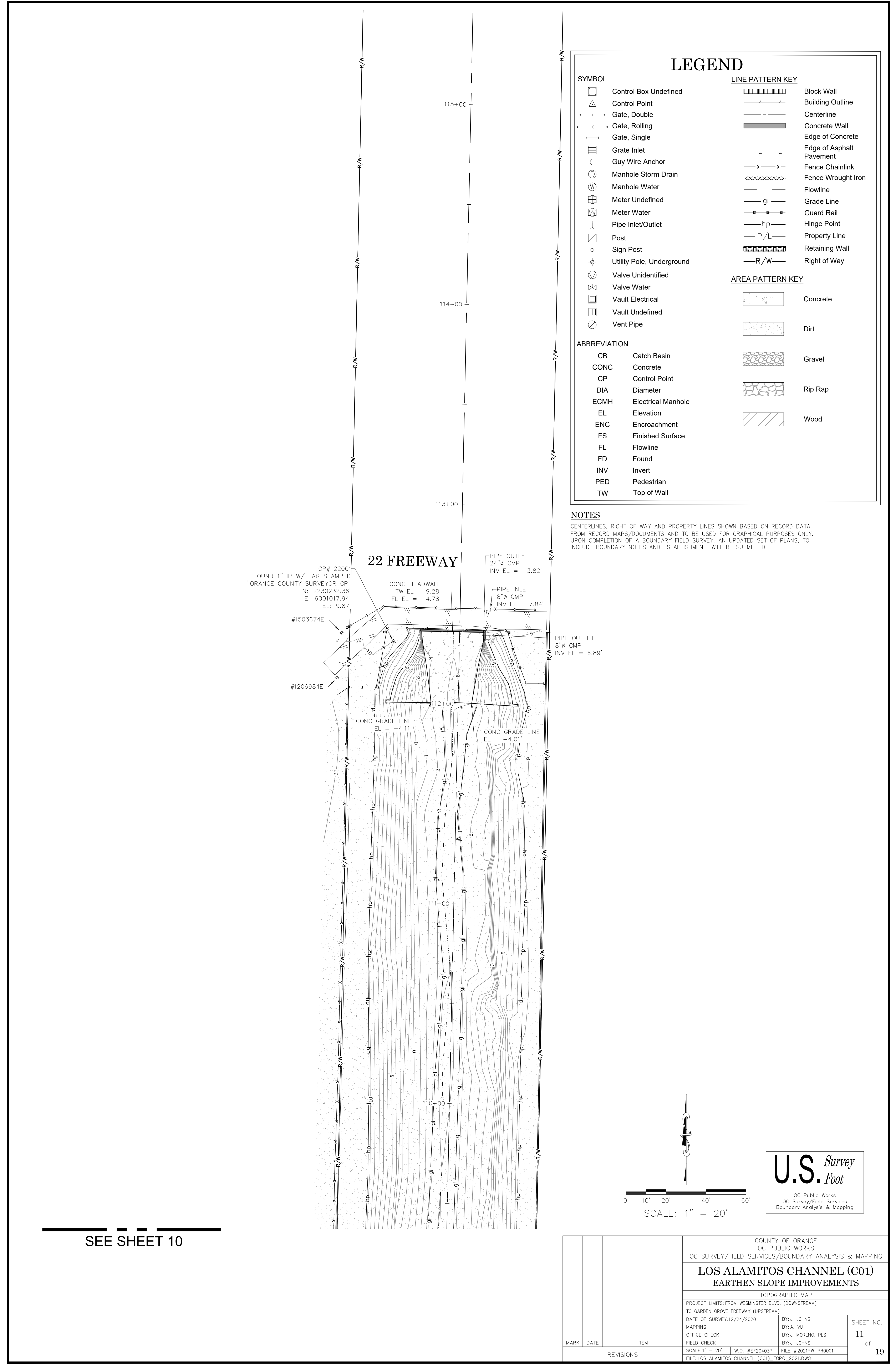
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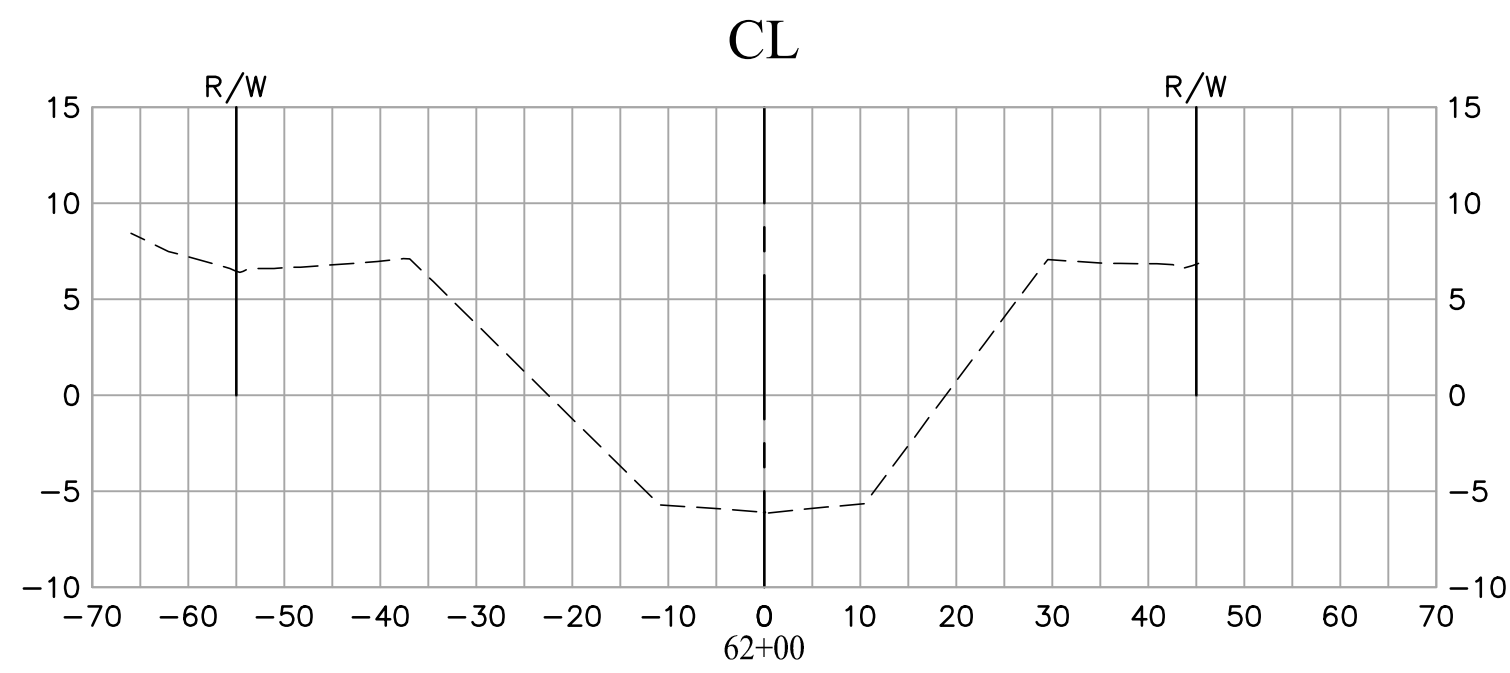
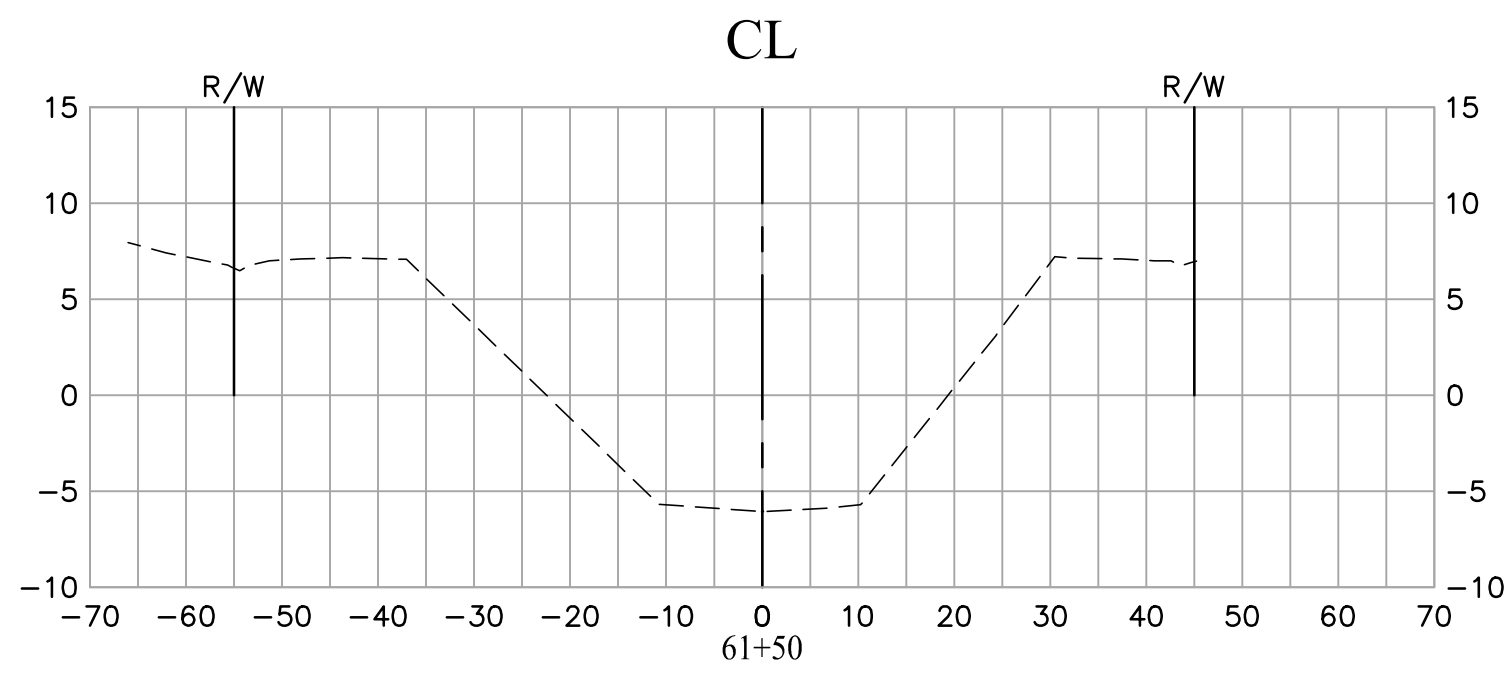
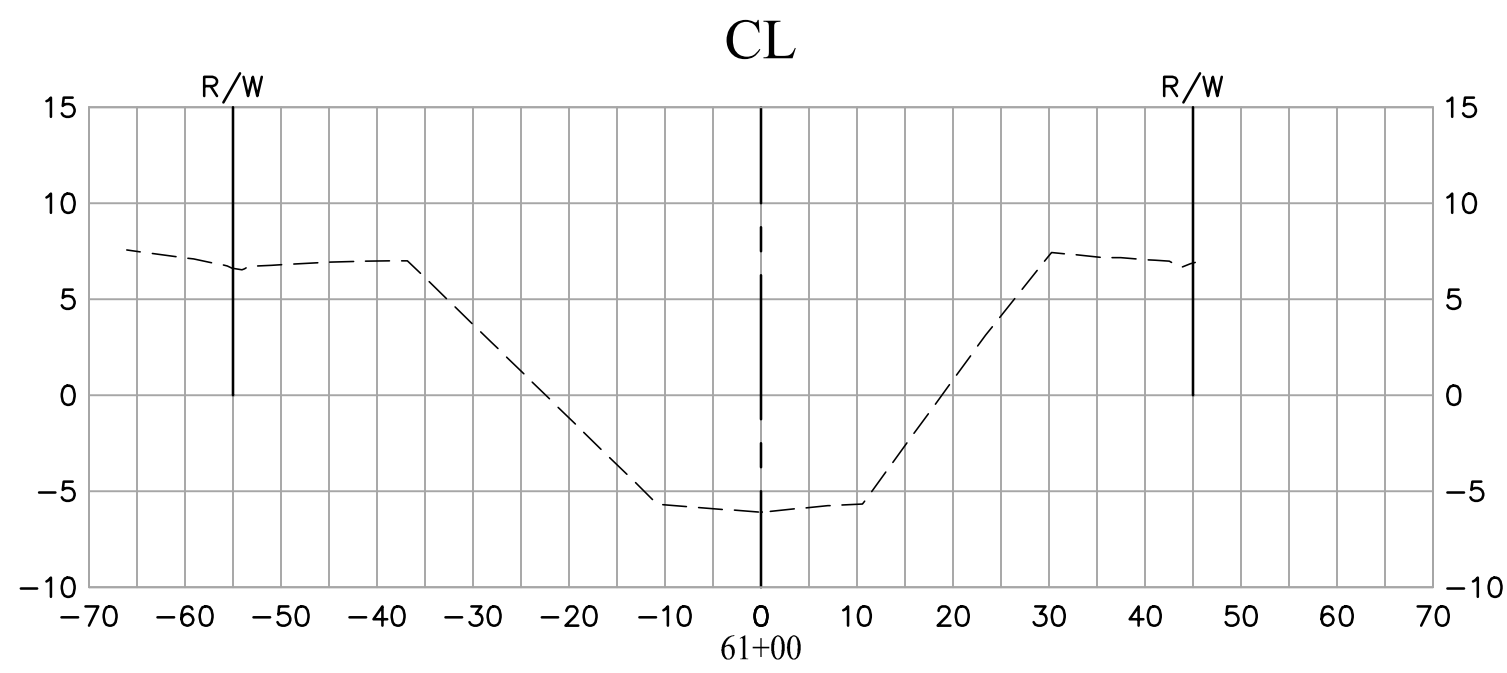
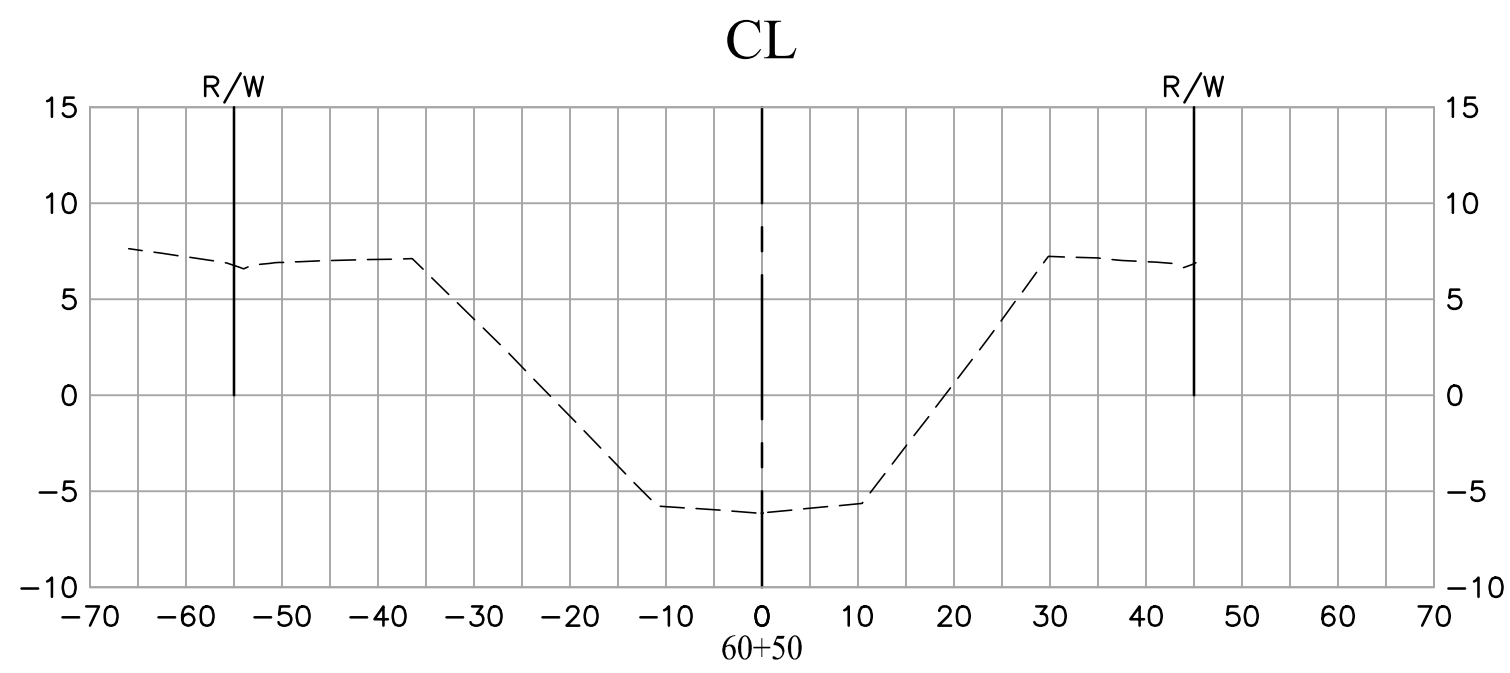
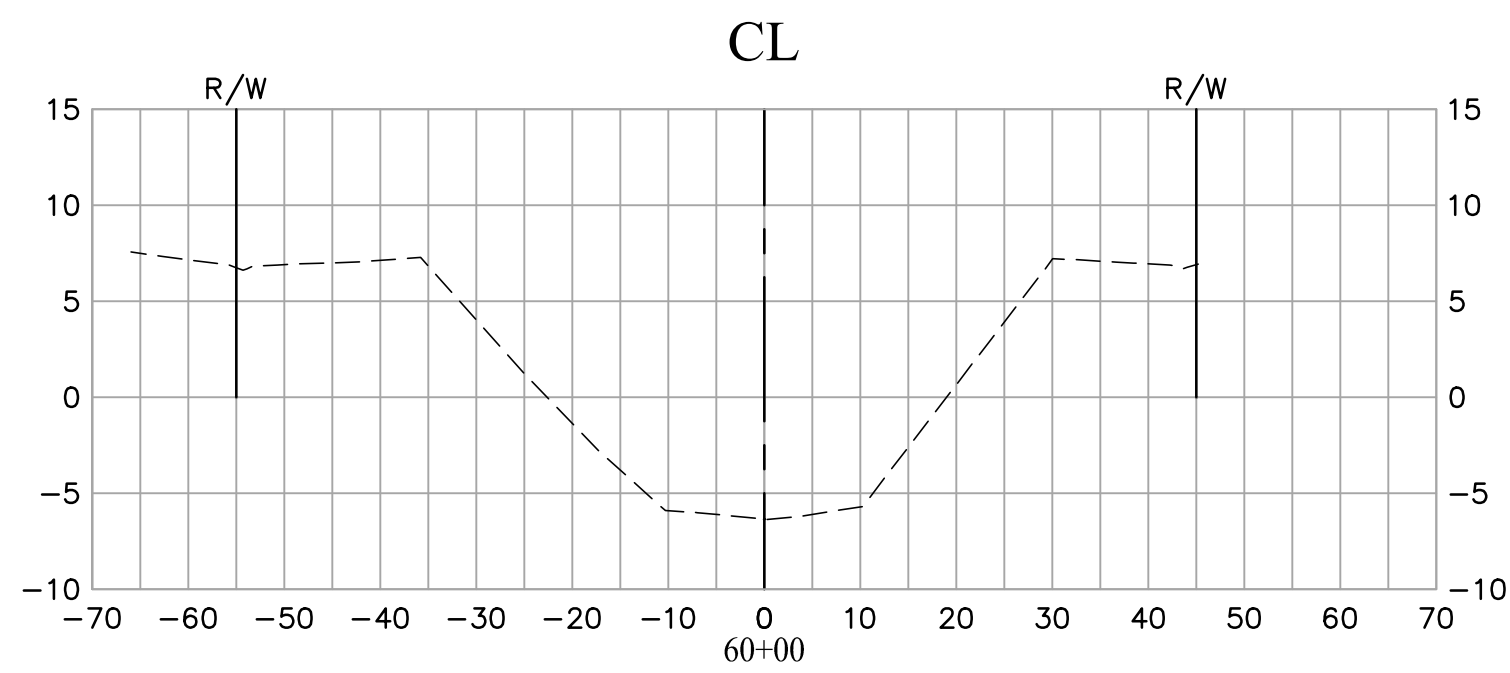
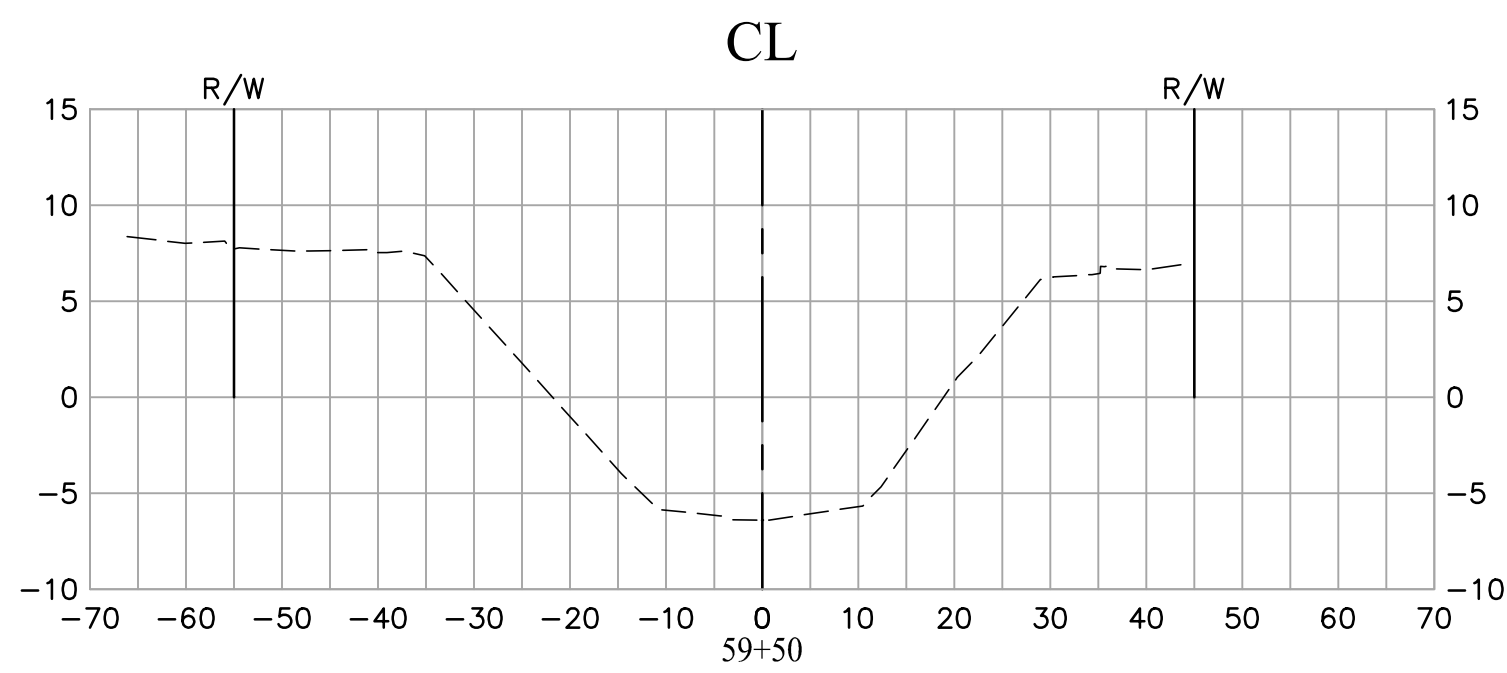
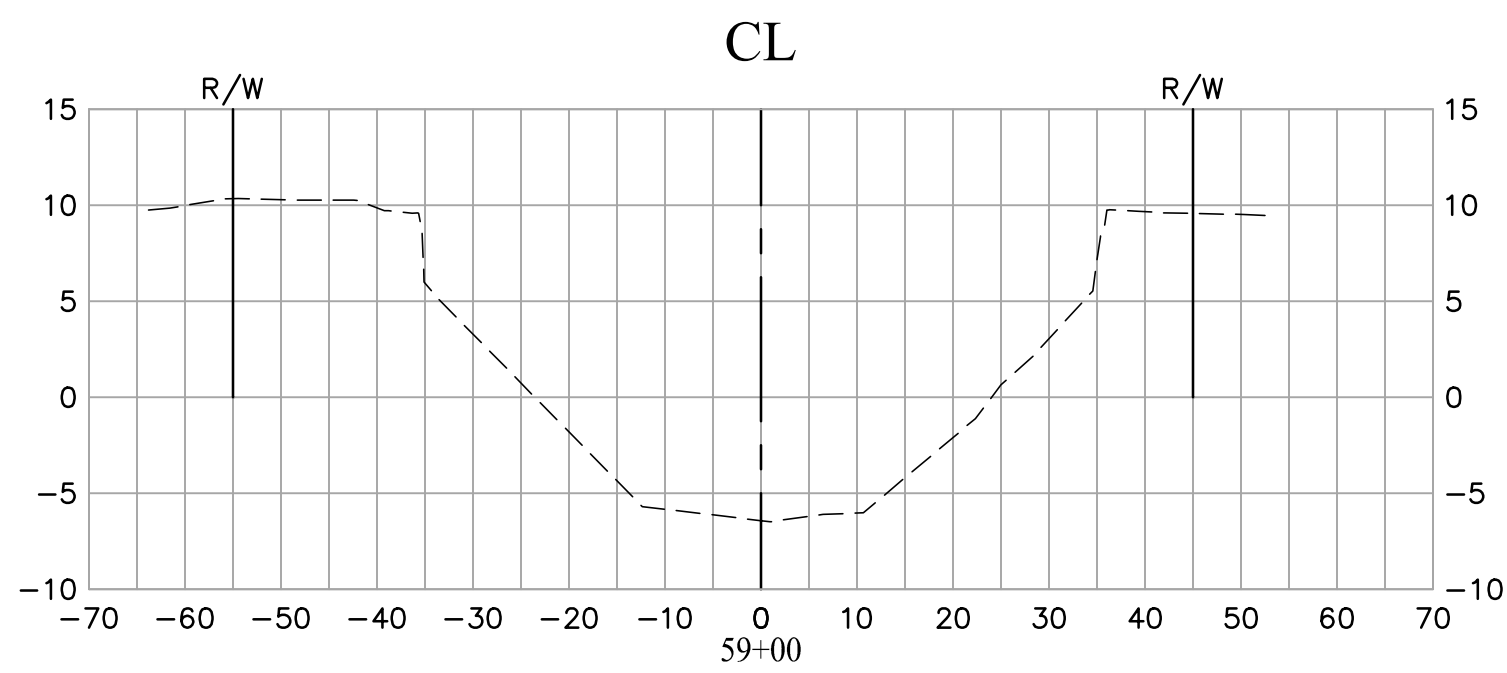
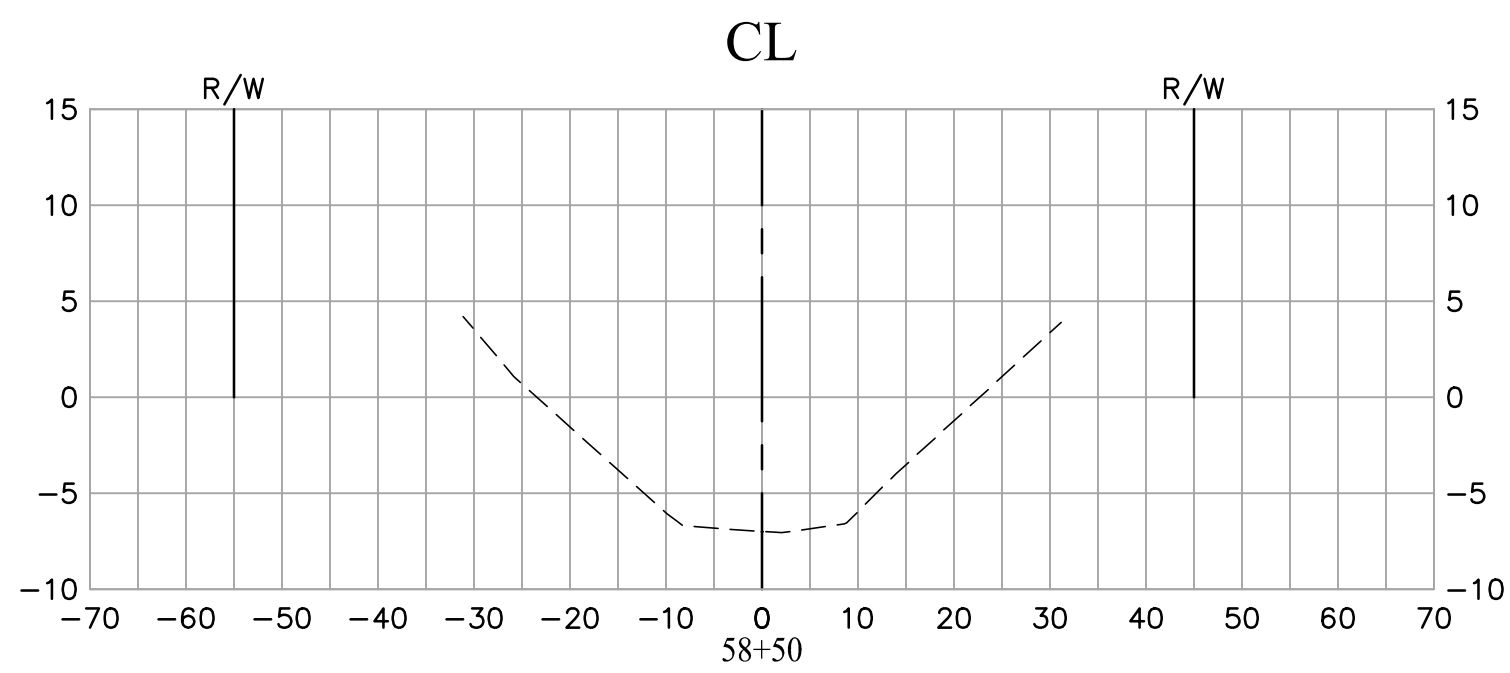
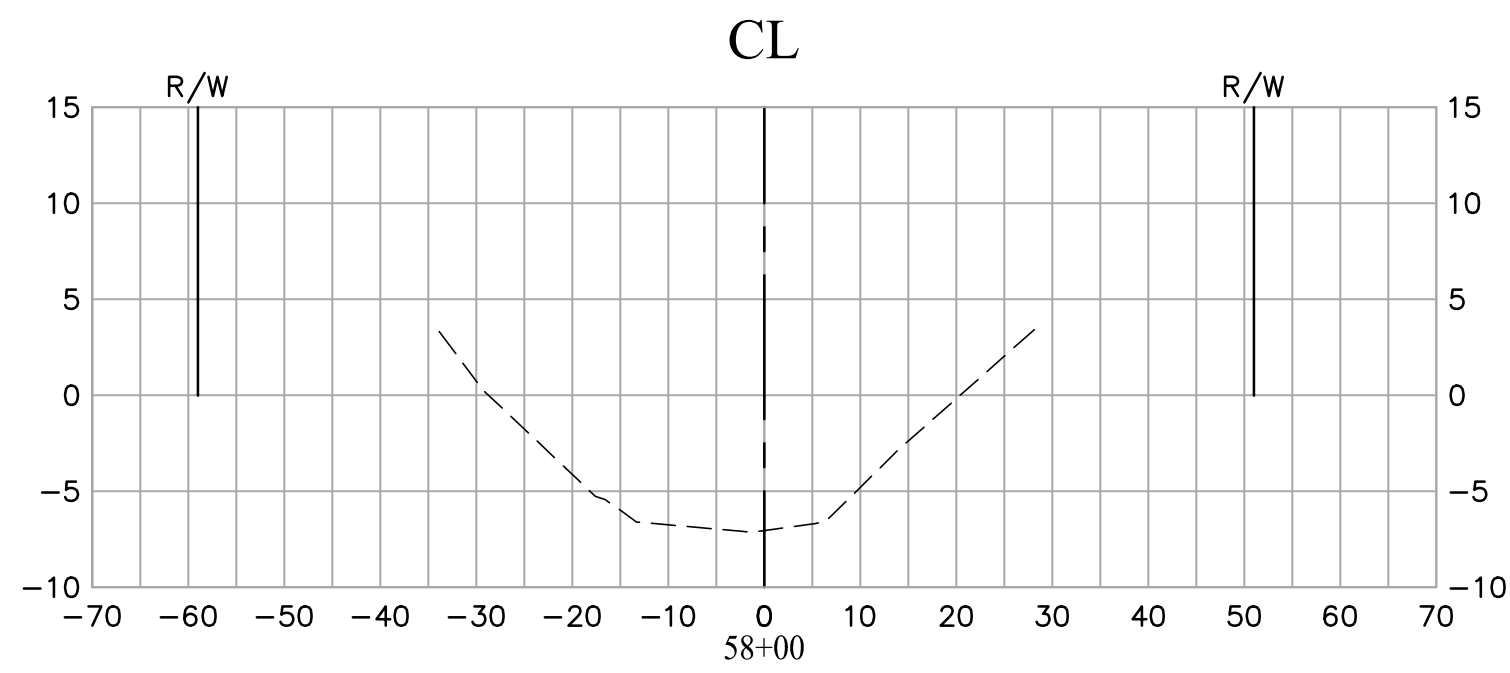
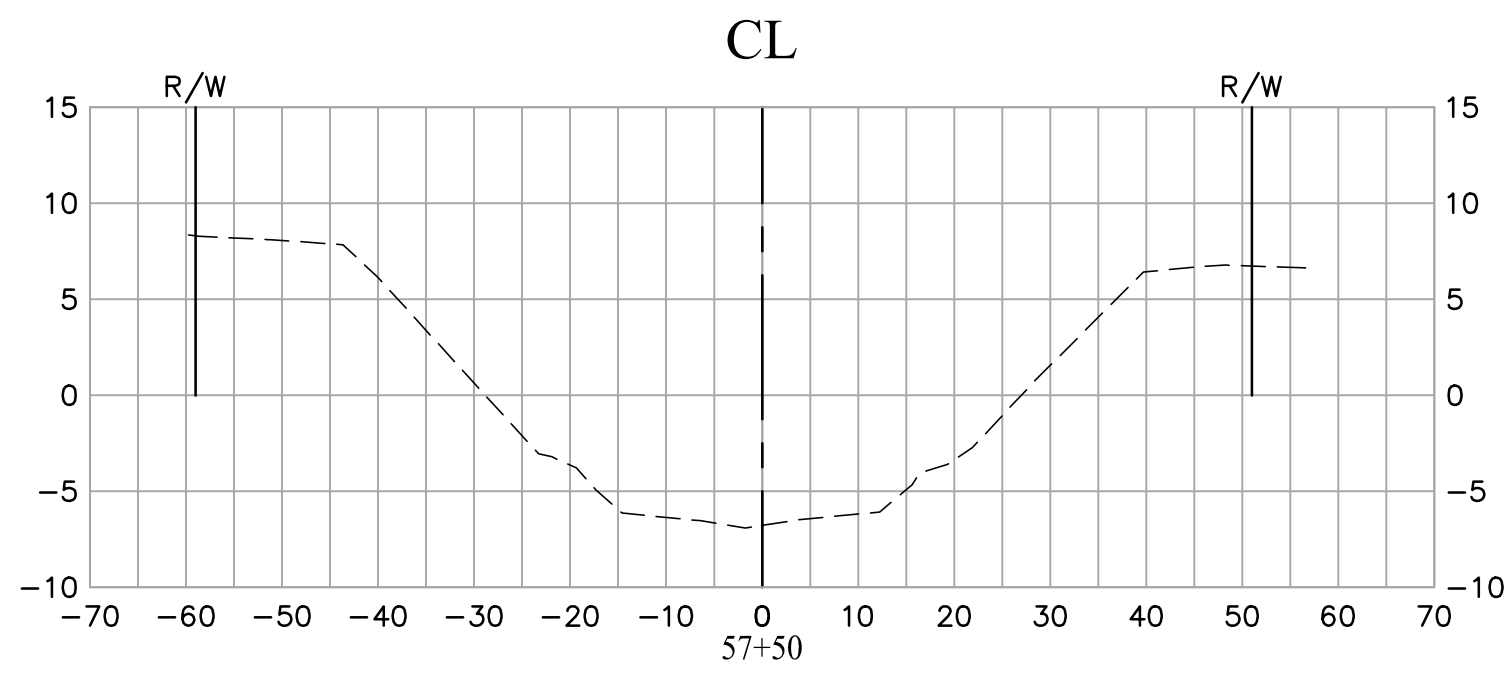
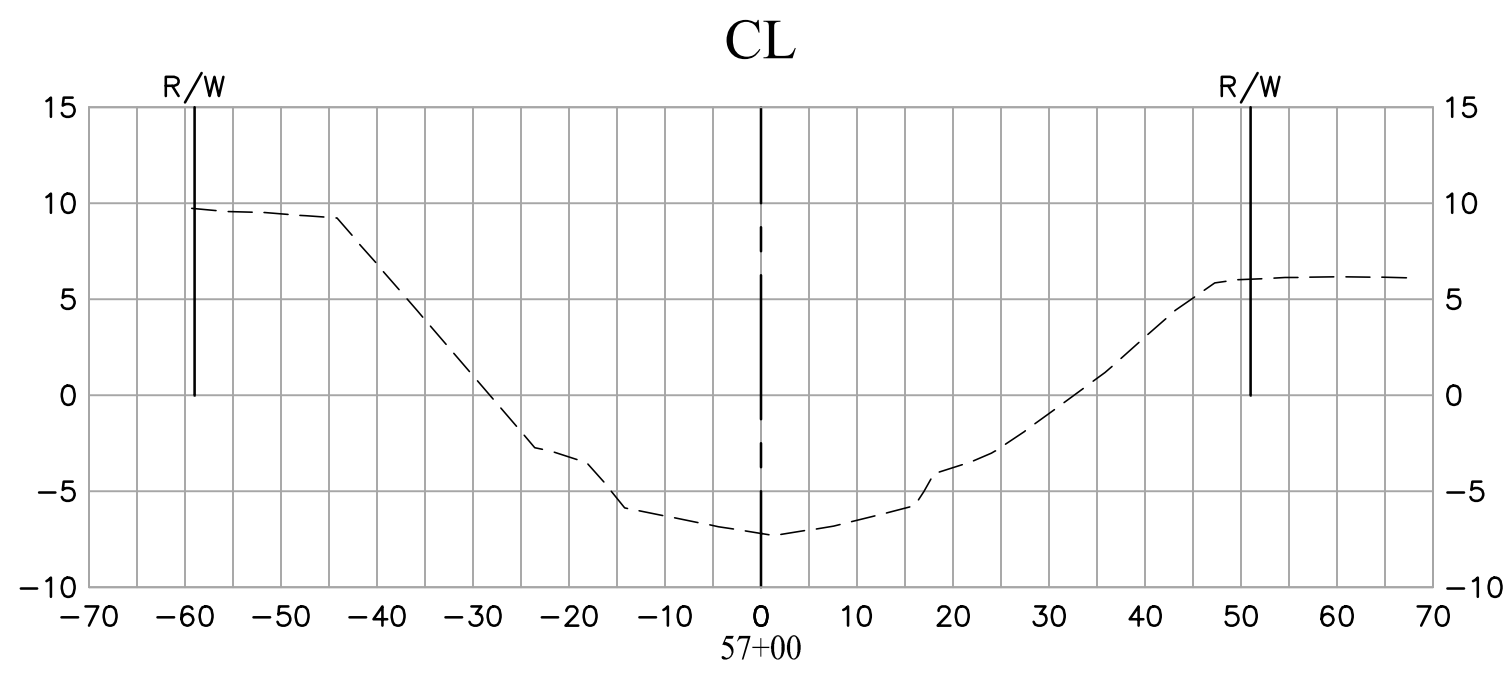
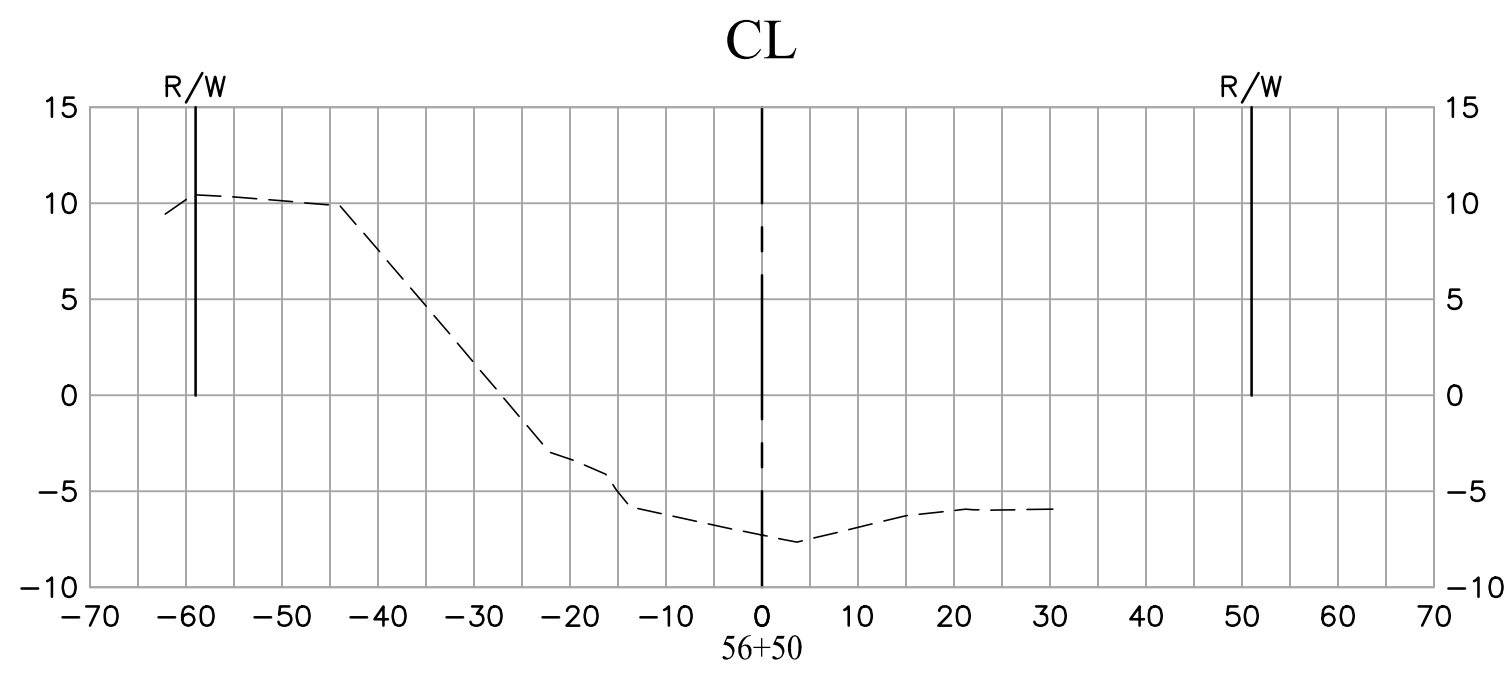
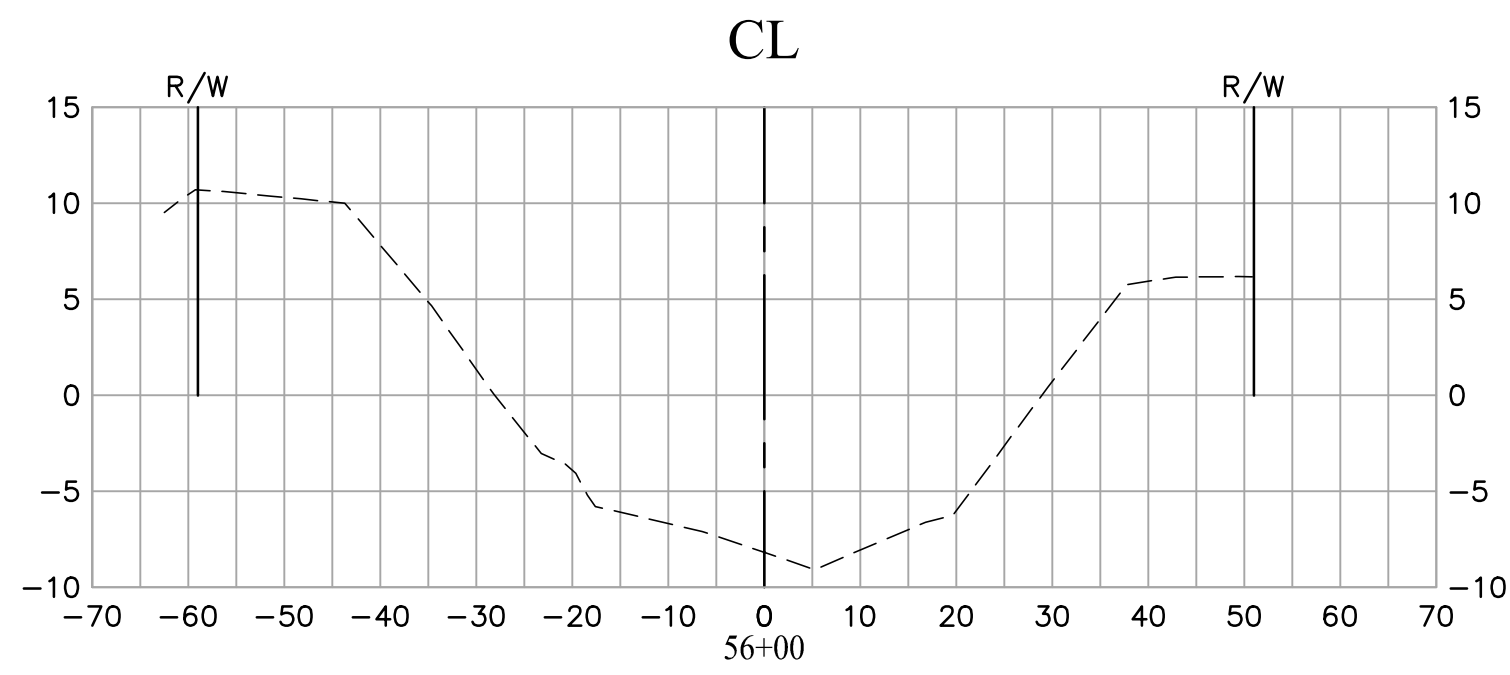
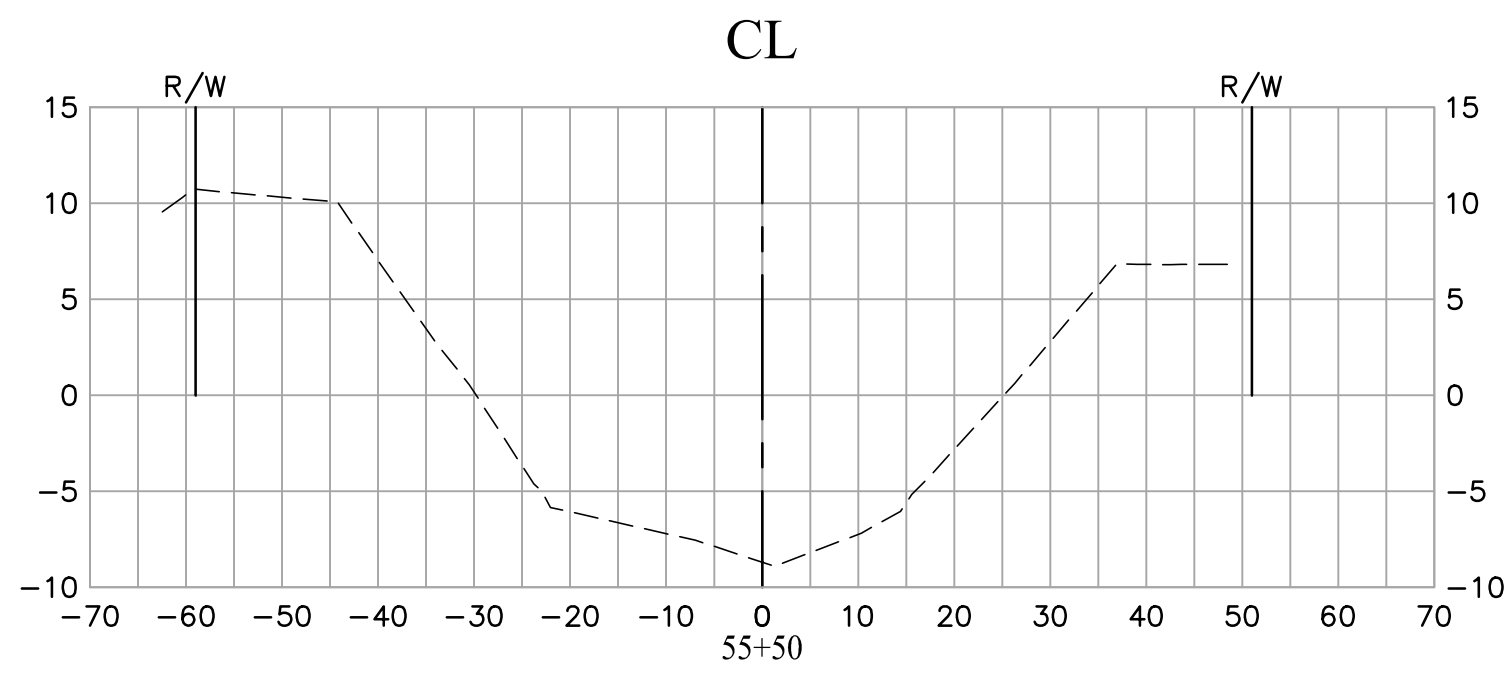
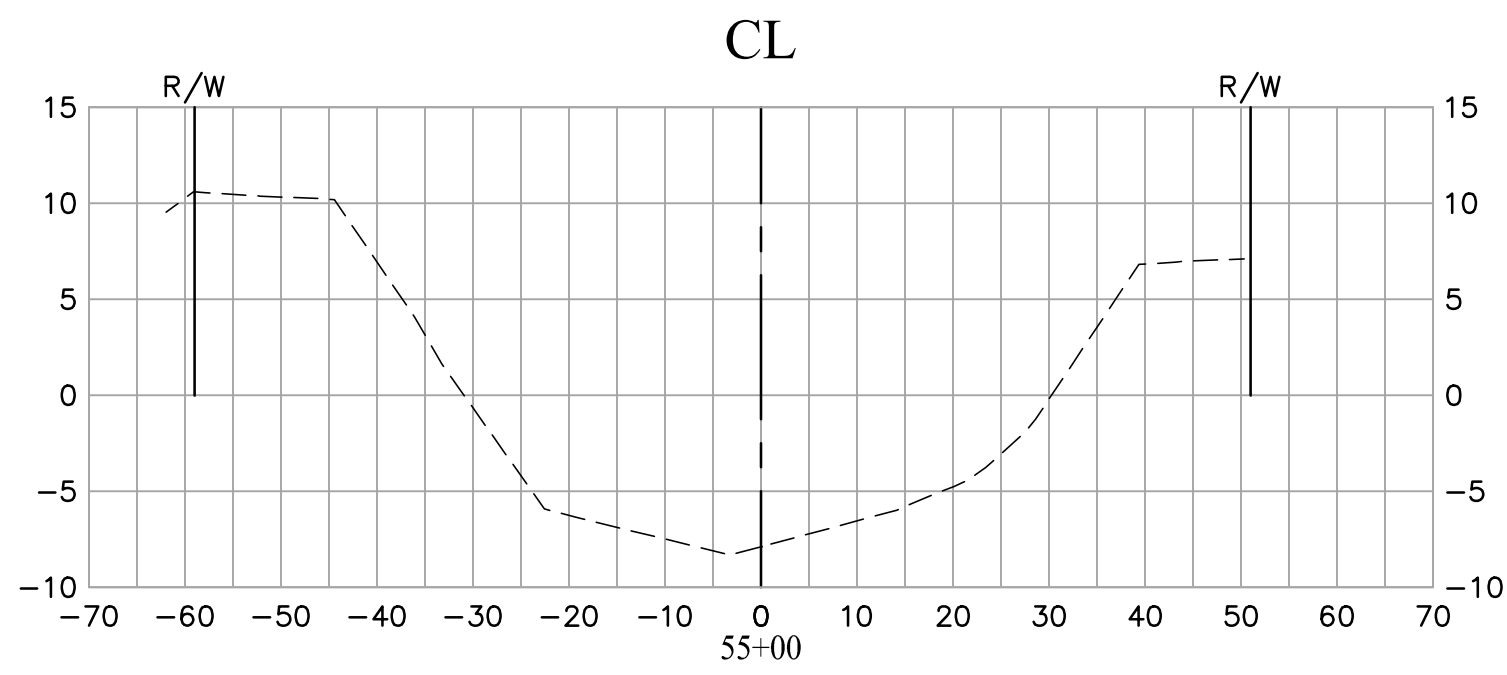
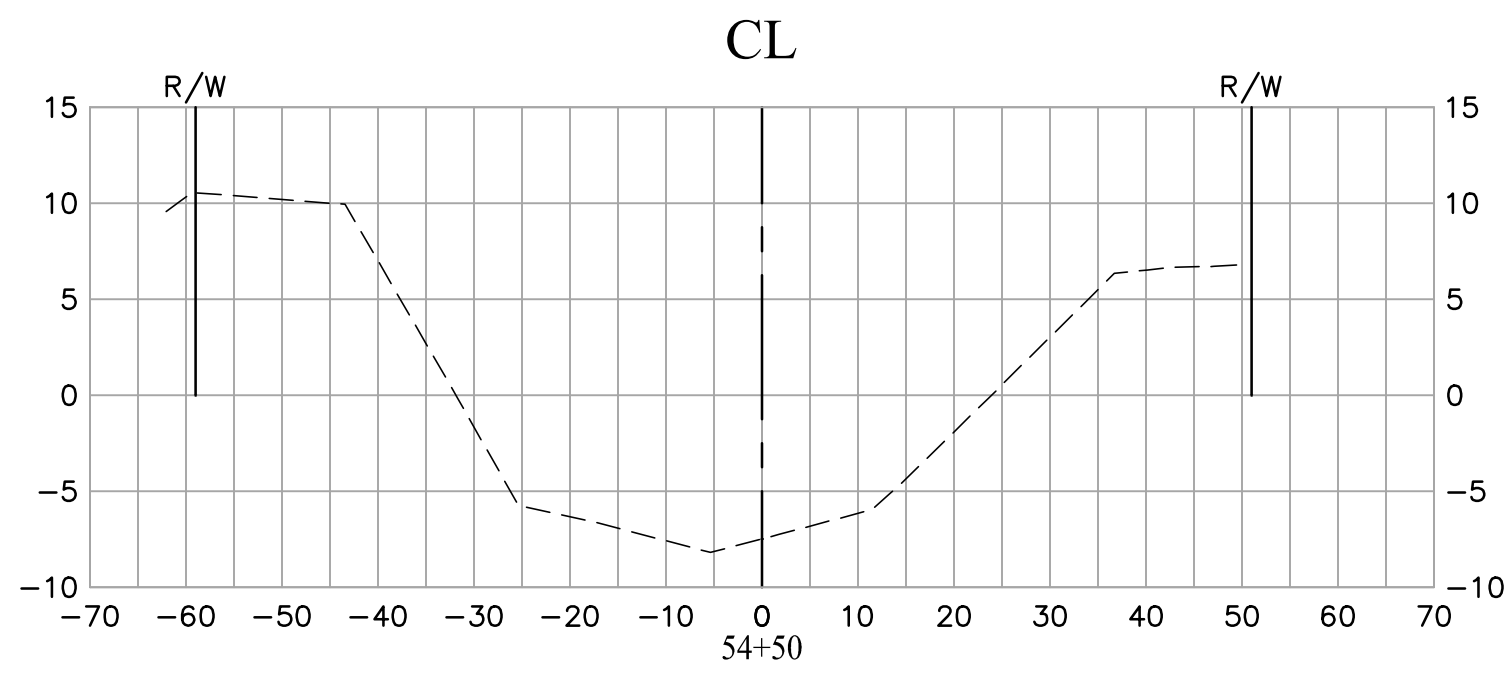
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SEE SHEET 9



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS		
			TOPOGRAPHIC MAP PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)		
MARK	DATE	ITEM	DATE OF SURVEY: 12/24/2020		SHEET NO. 10 of 19
			MAPPING		
			OFFICE CHECK		
			FIELD CHECK		
			SCALE: 1" = 20'	W.O. #EF20403P	FILE #2021PW-PR0001
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG		

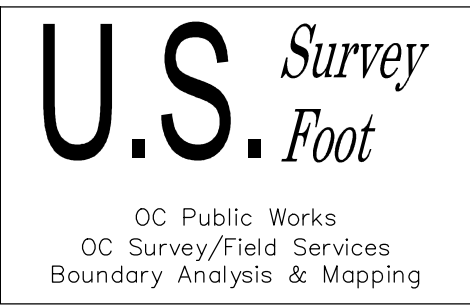




LEGEND

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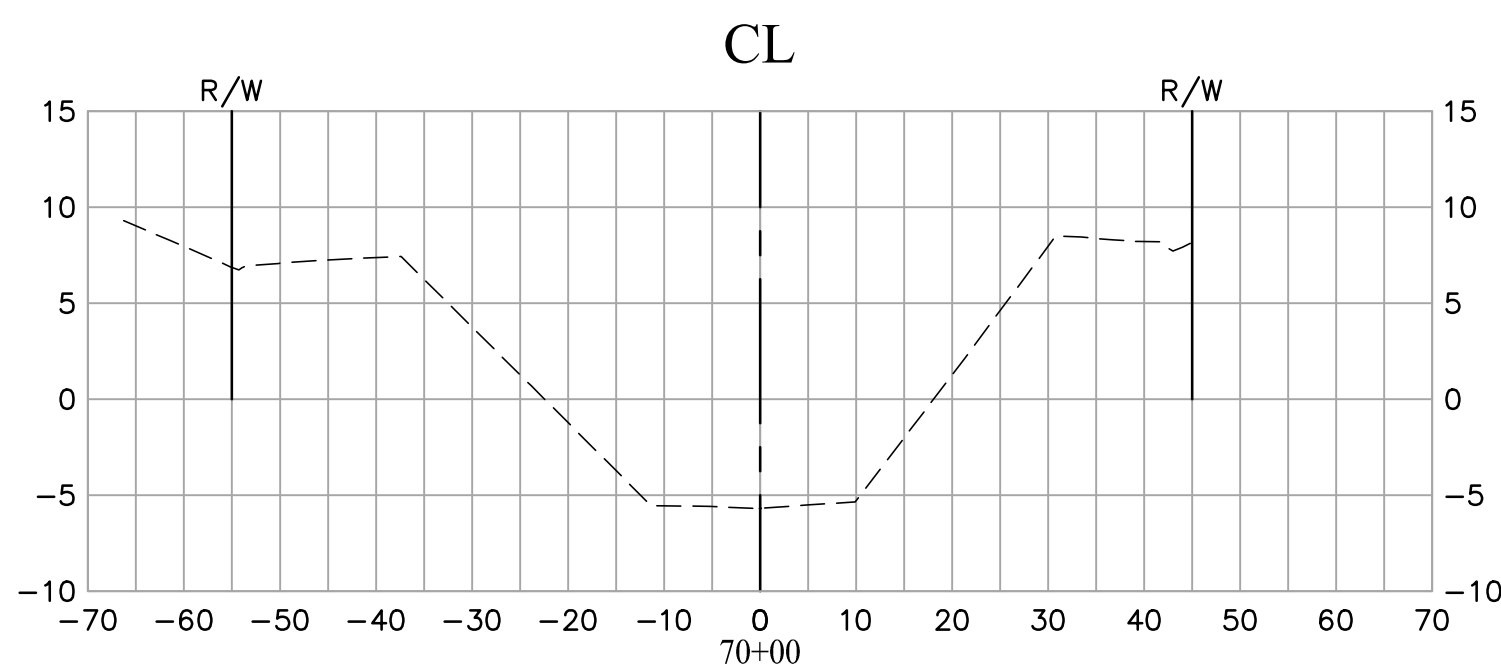
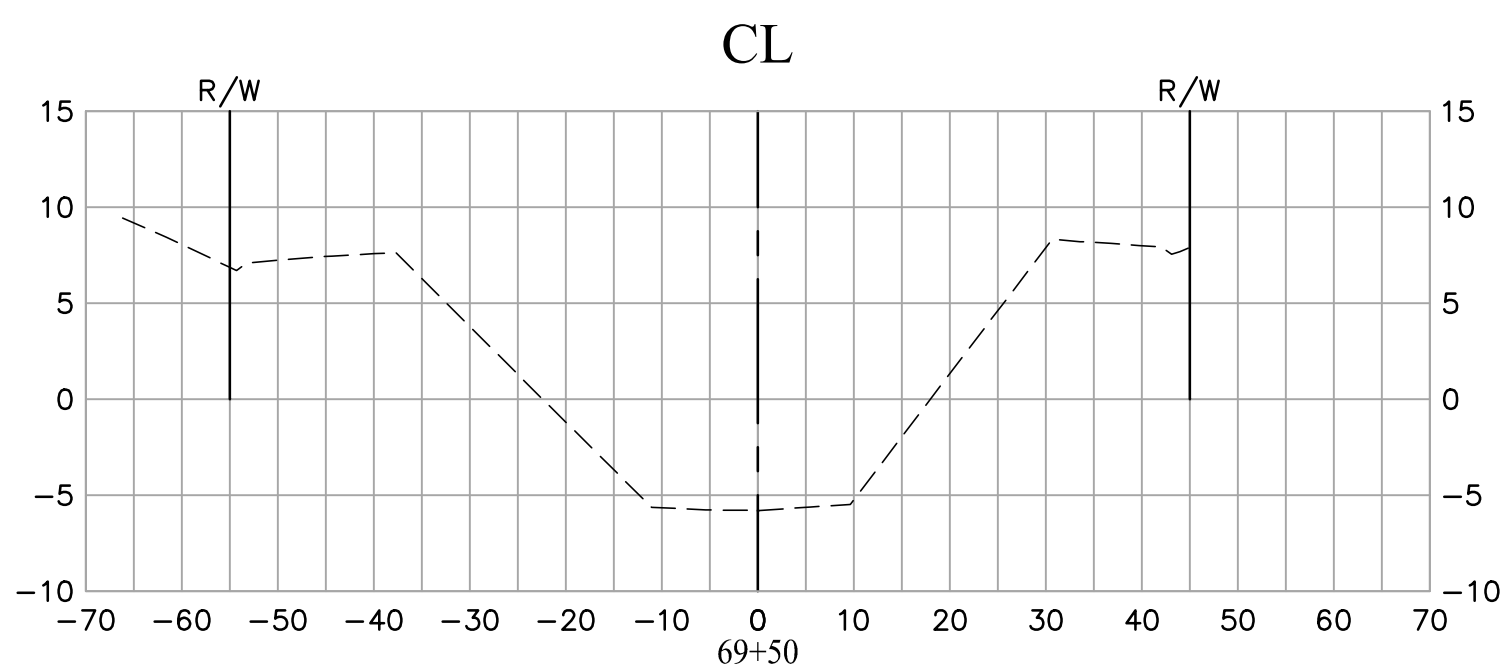
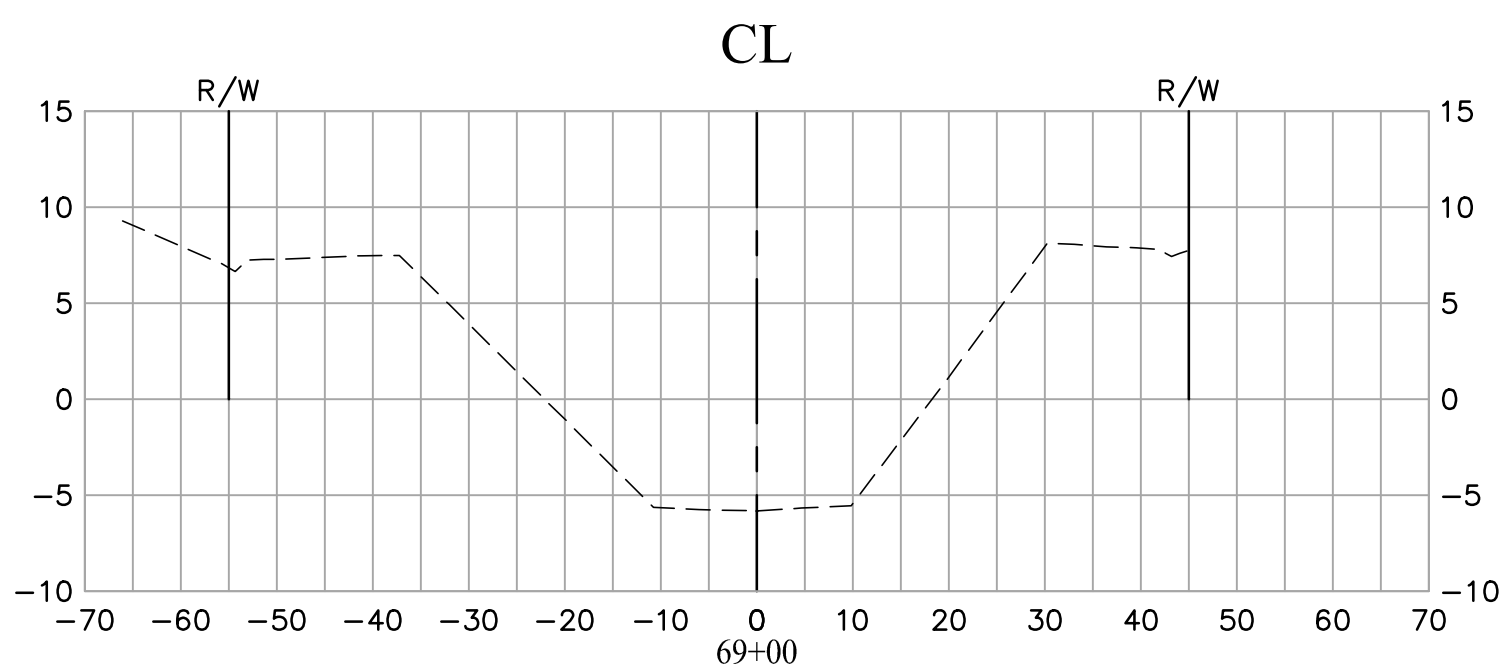
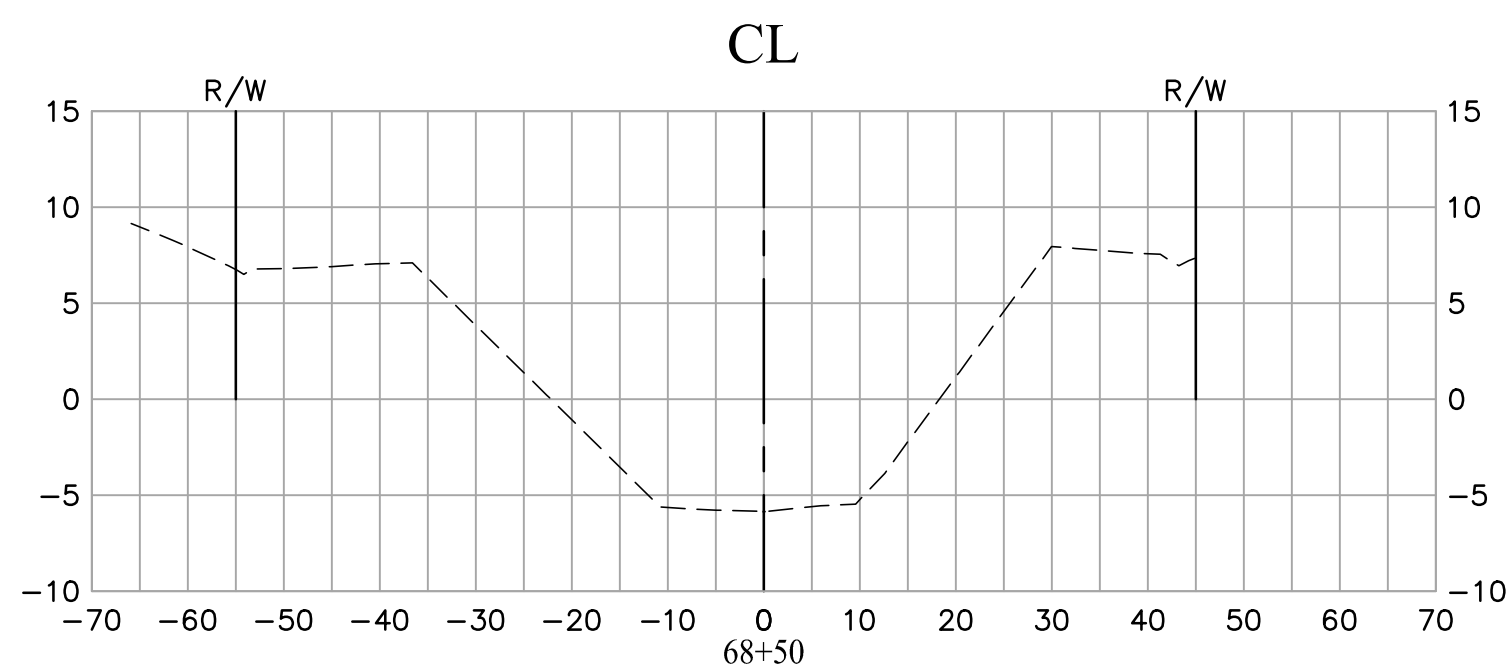
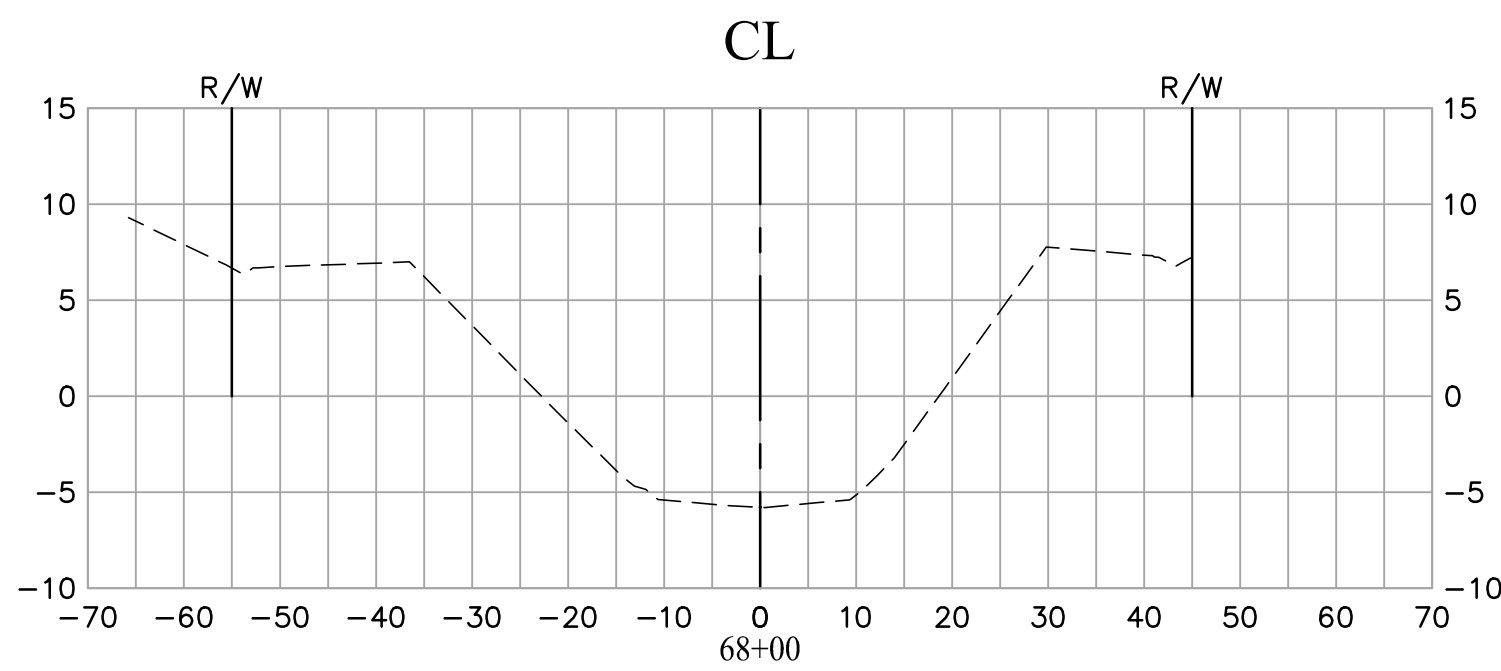
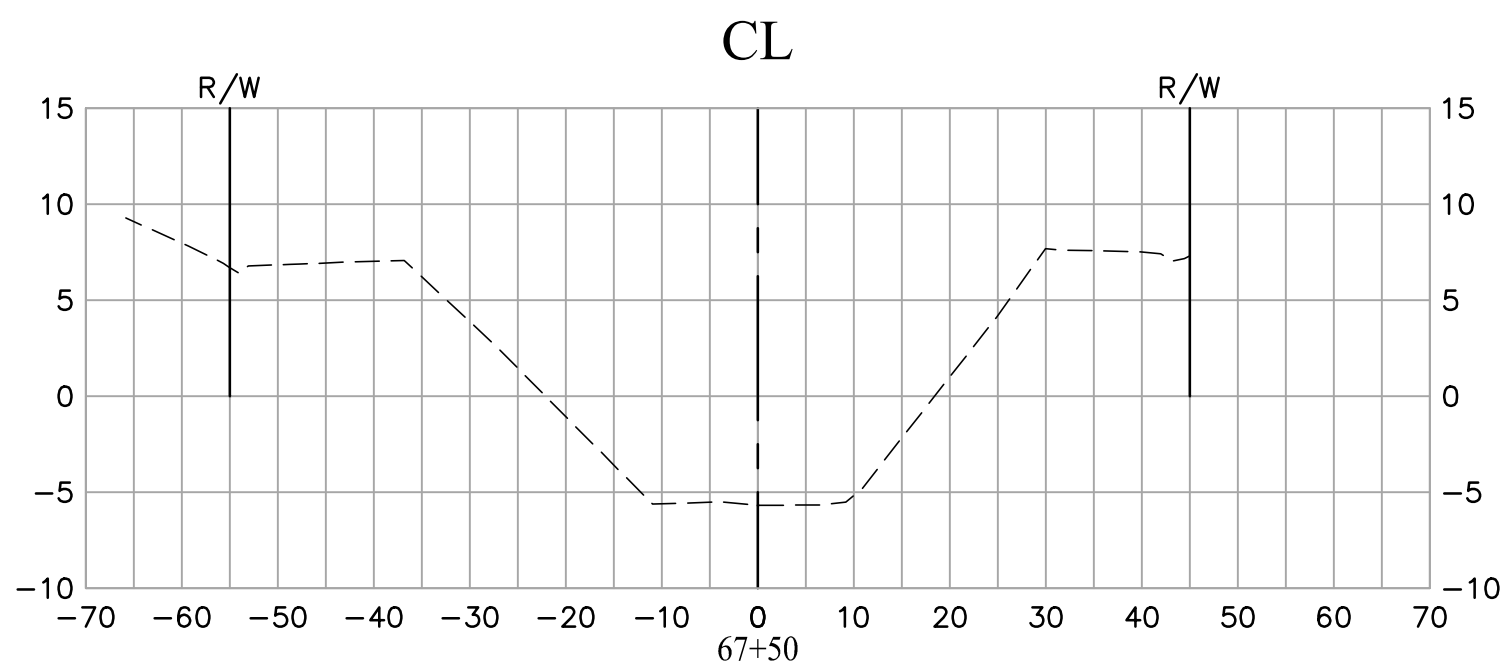
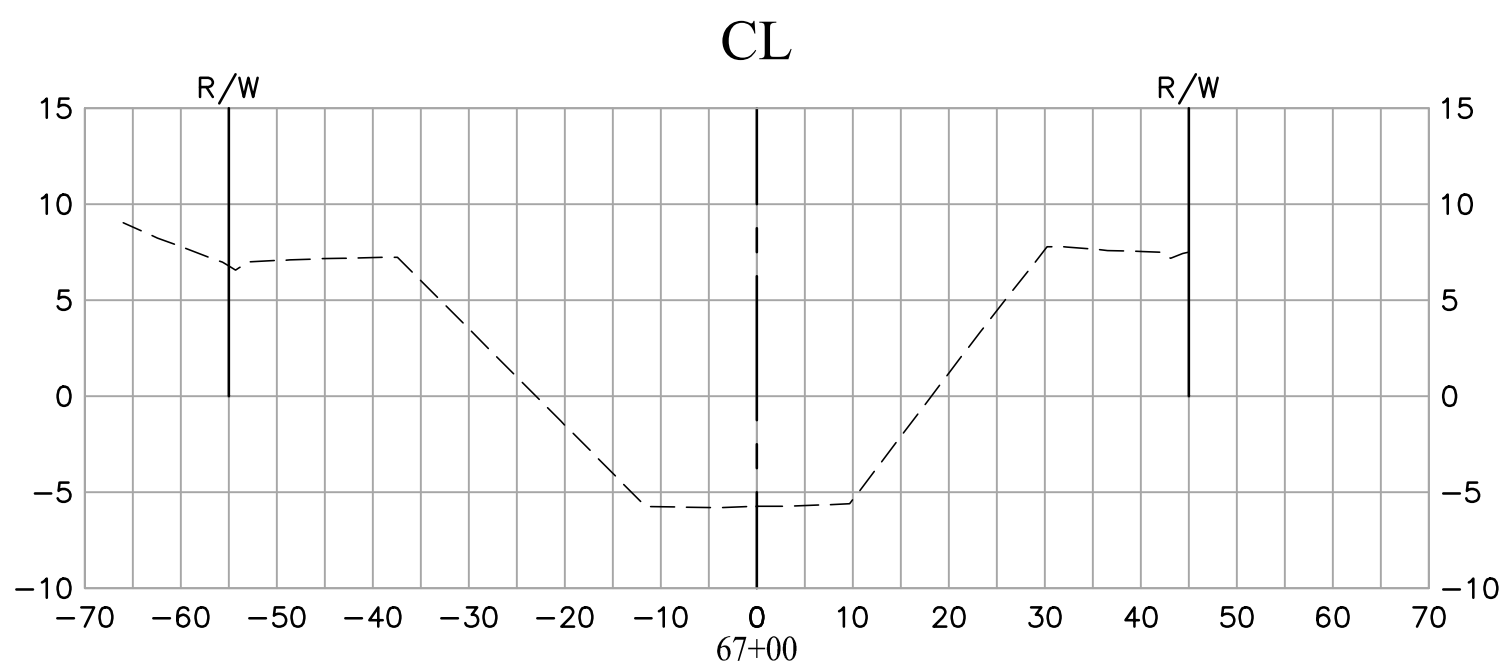
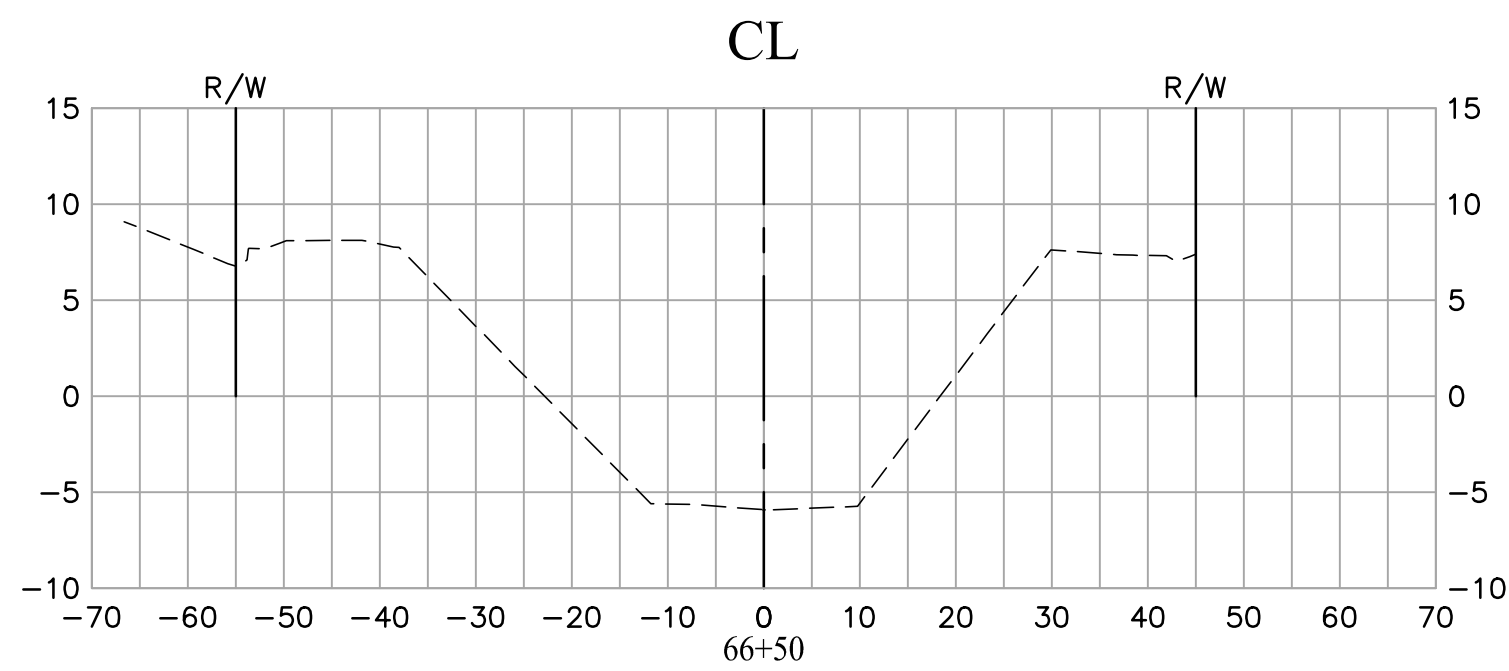
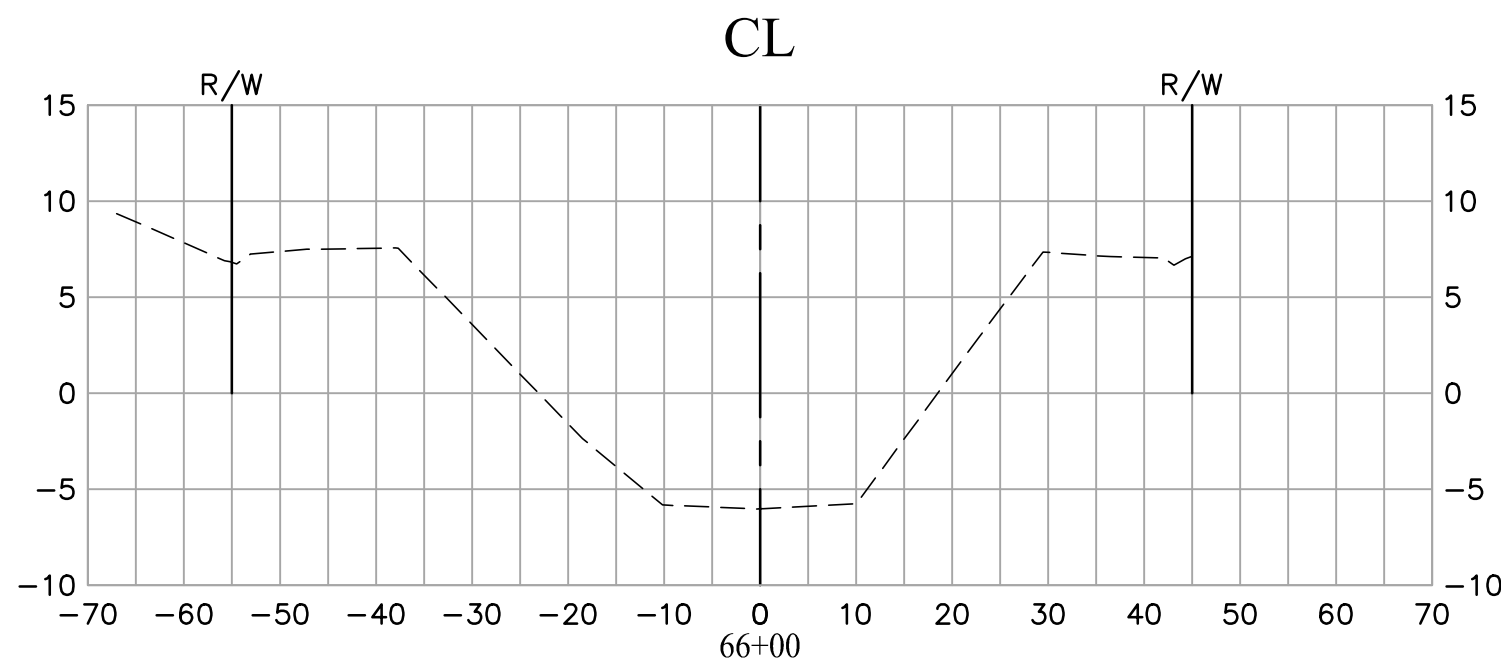
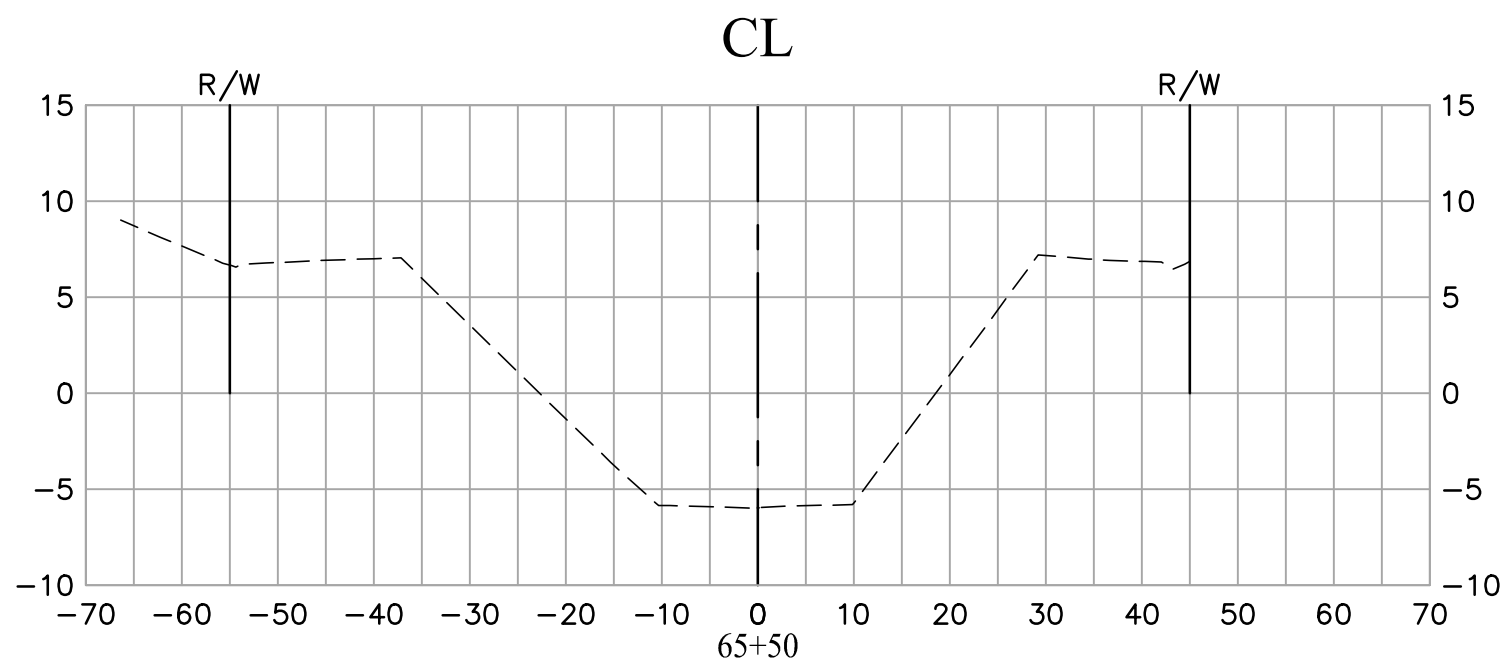
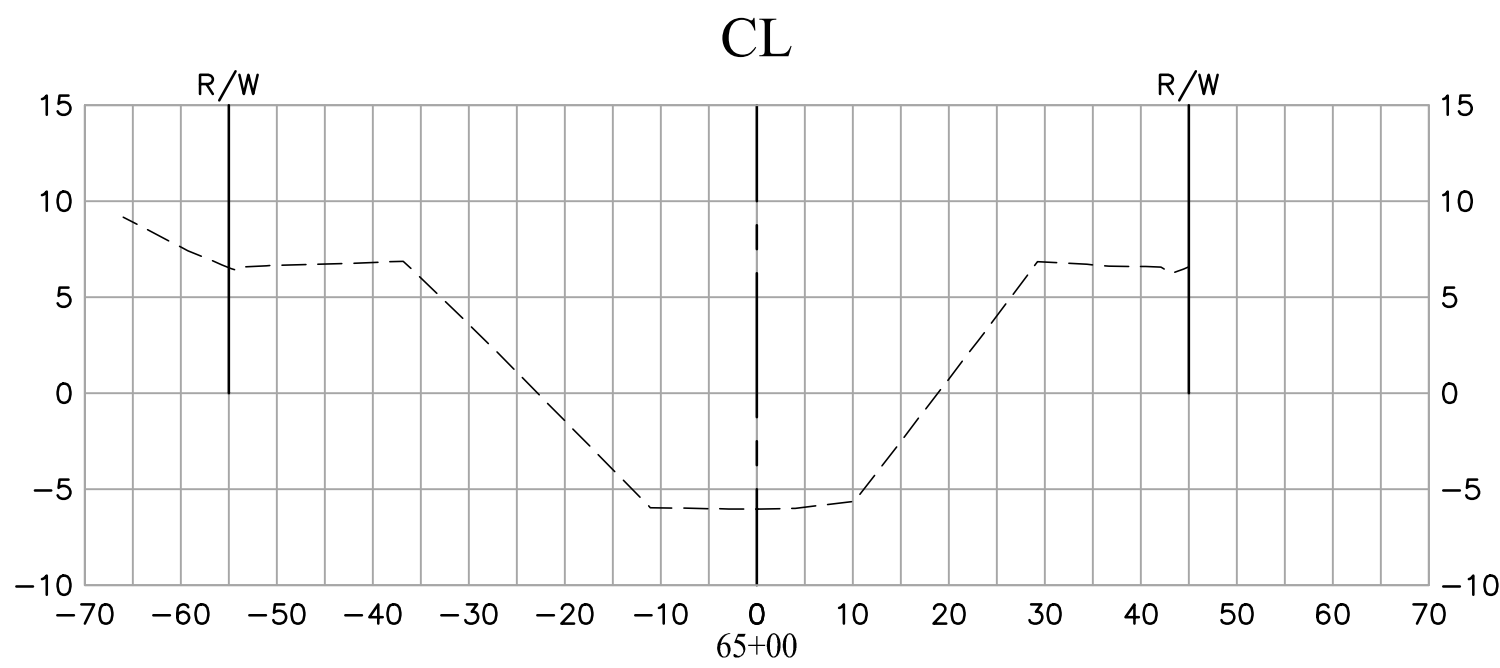
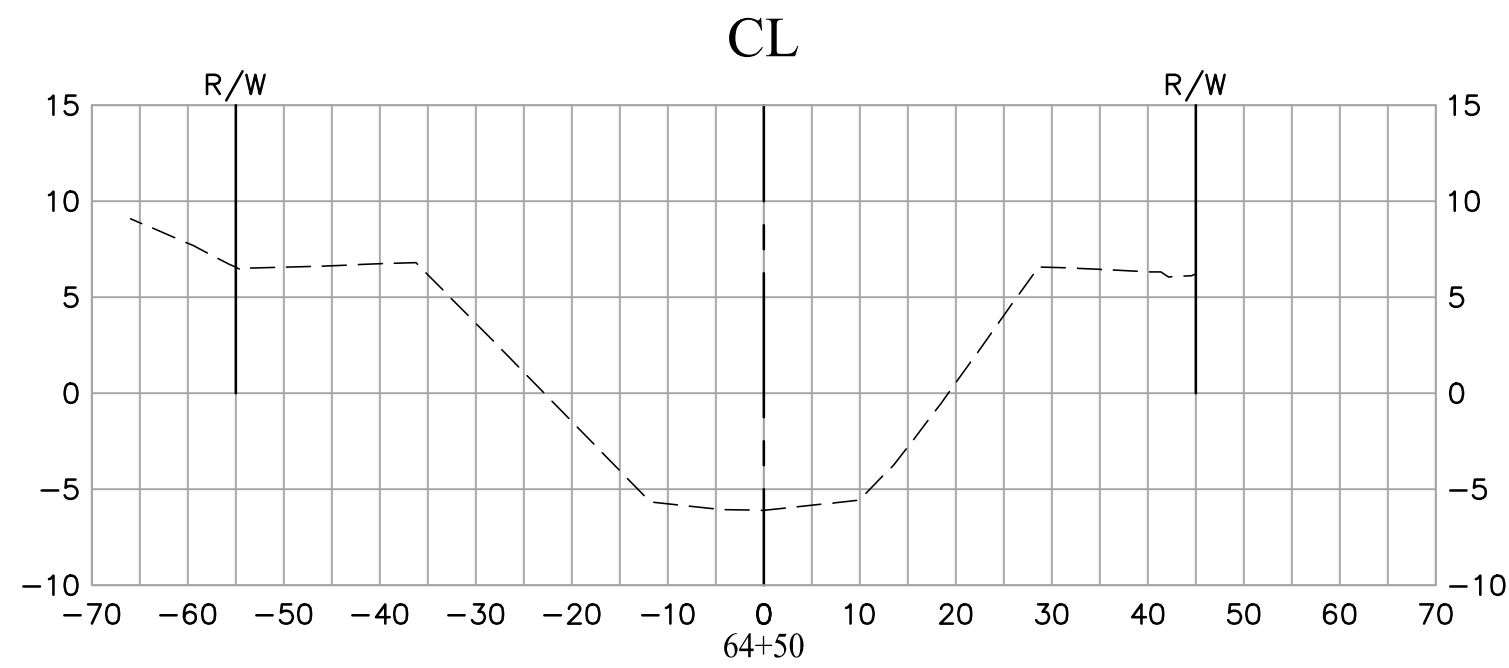
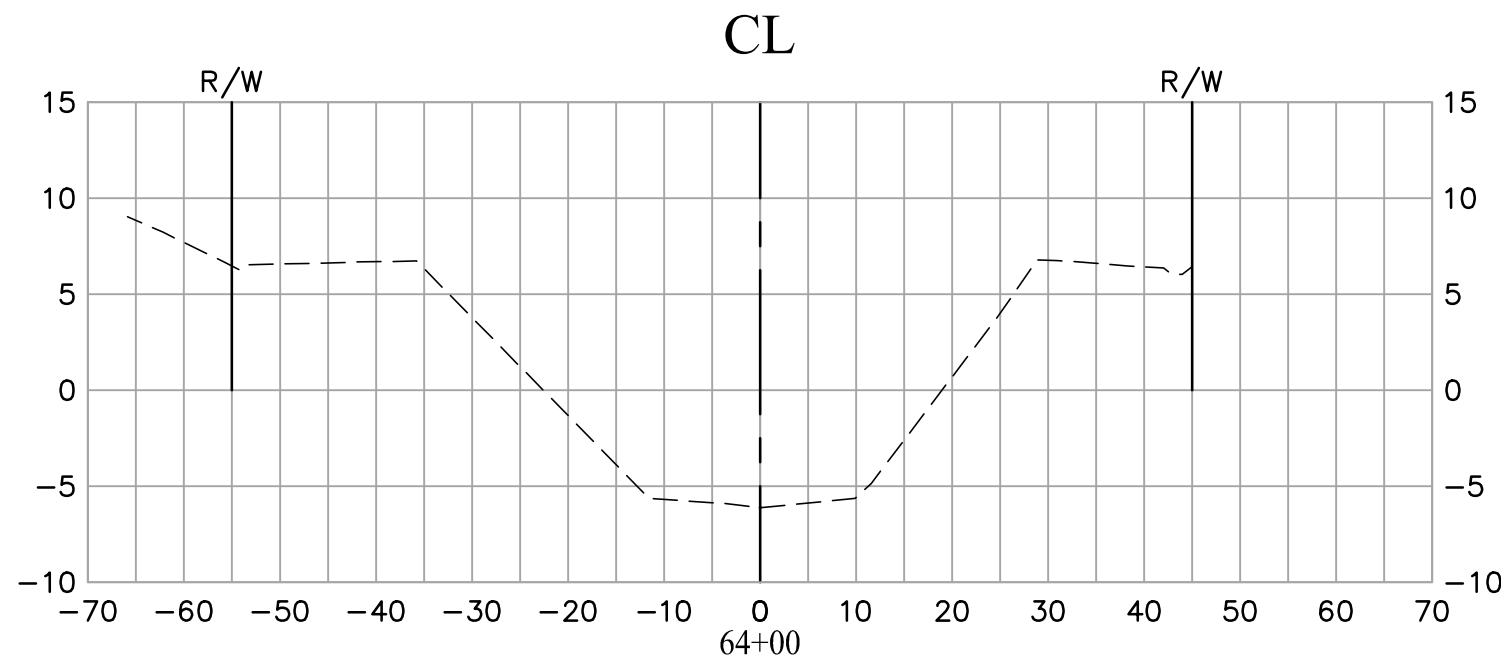
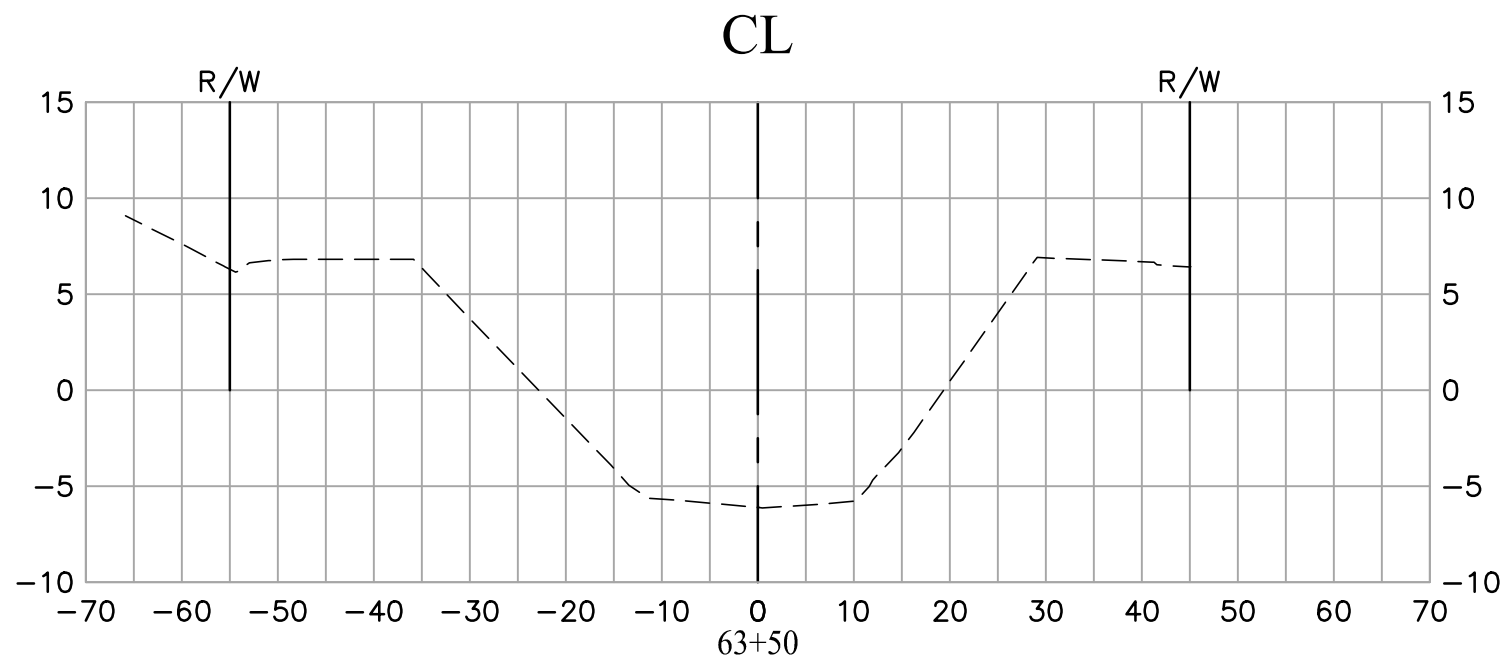
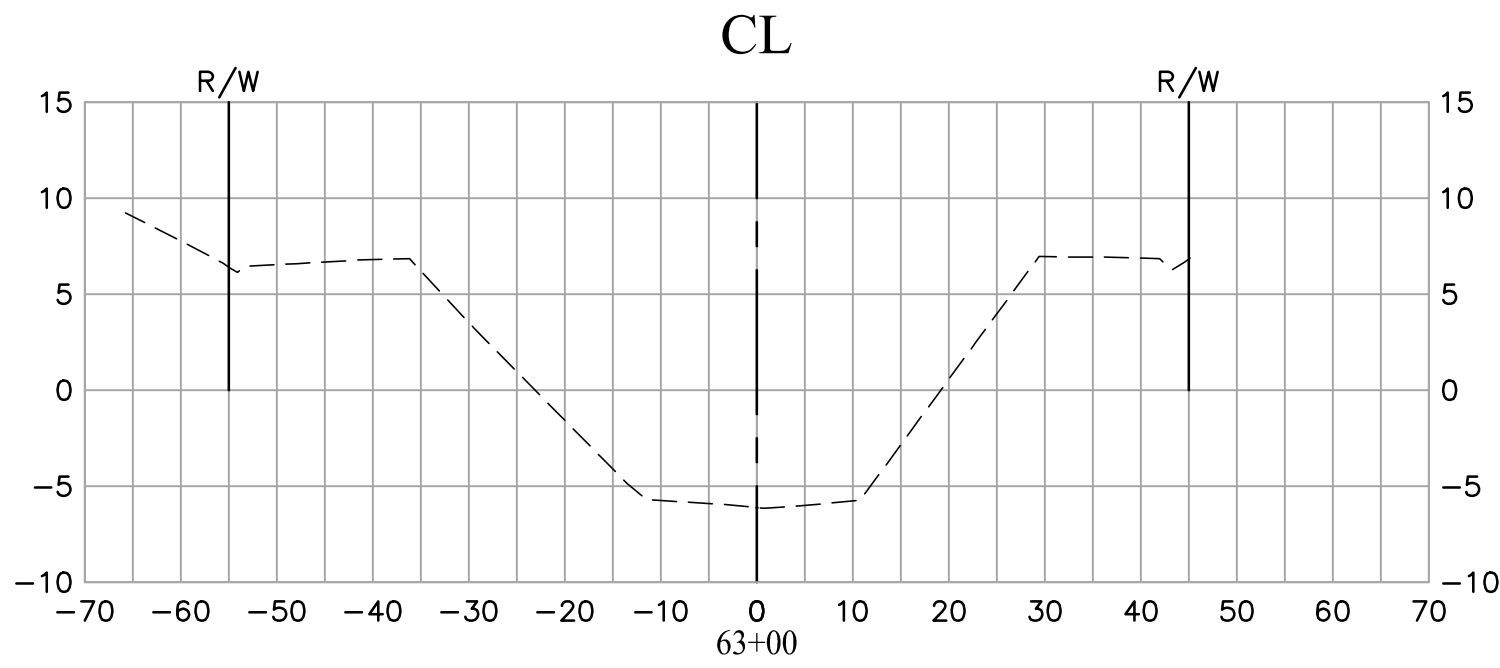
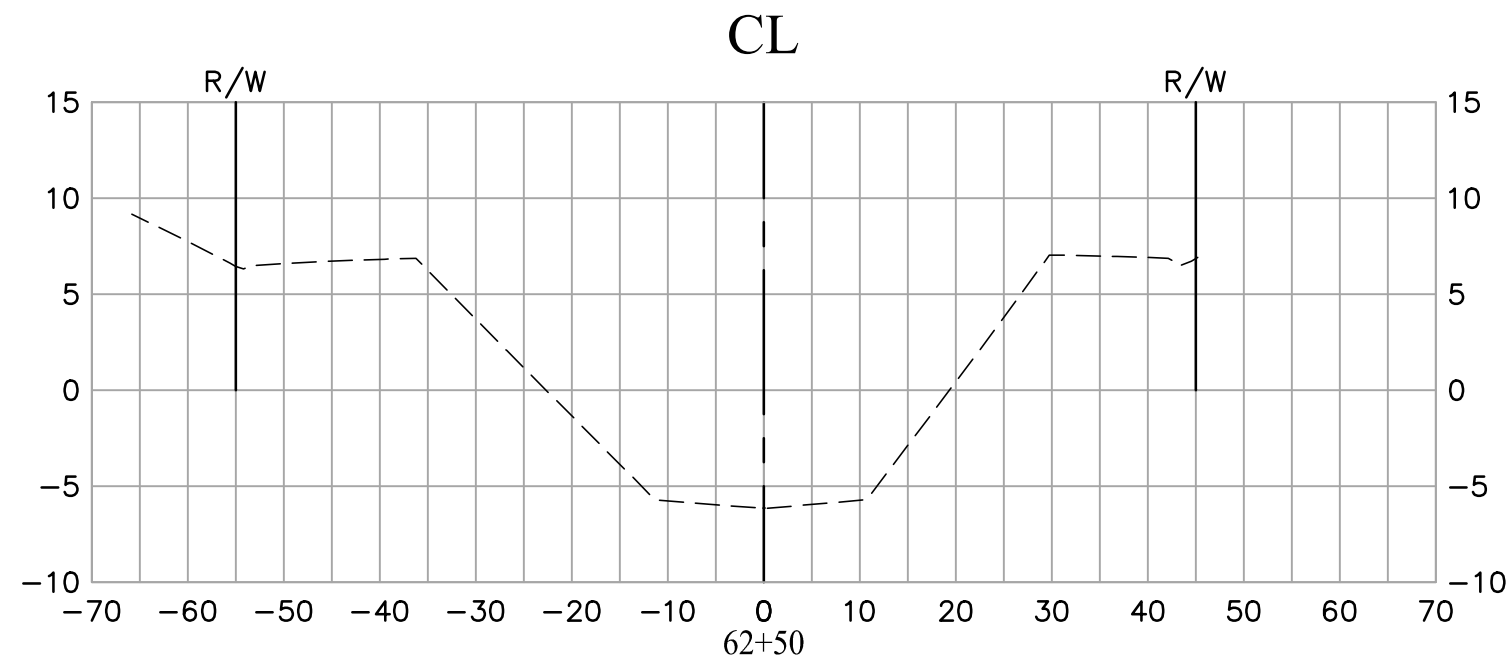
VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



NOTES

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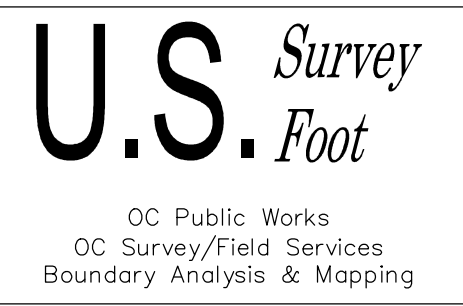
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			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS				
			SECTIONS				
			PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)				
			DATE OF SURVEY:12/24/2020		BY:J. JOHNS		SHEET NO. 12 of 19
			MAPPING		BY:A. VU		
			OFFICE CHECK		BY:J. MORENO, PLS		
			FIELD CHECK		BY:J. JOHNS		
MARK	DATE	ITEM	SCALE: AS SHOWN		W.O. #EF20403P		FILE #2021PW-PR0001
			FILE:LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG				
			REVISIONS				



LEGEND

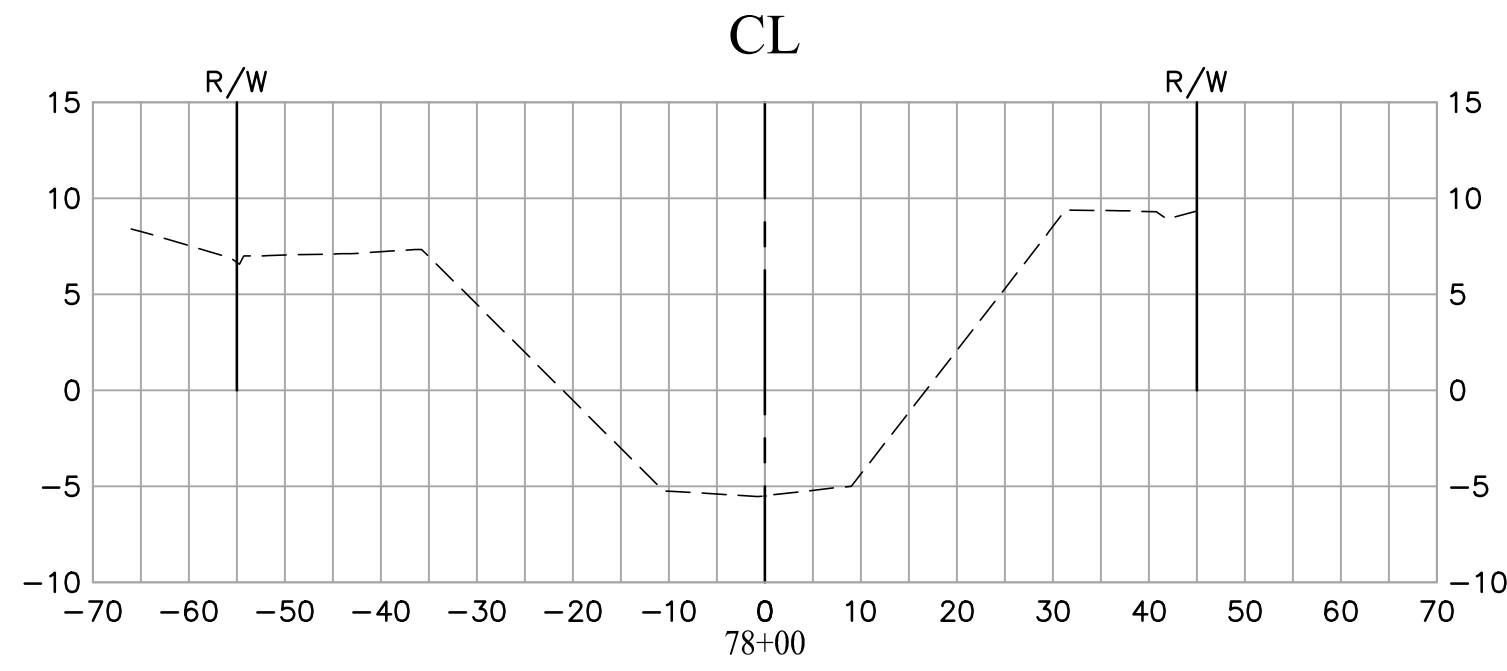
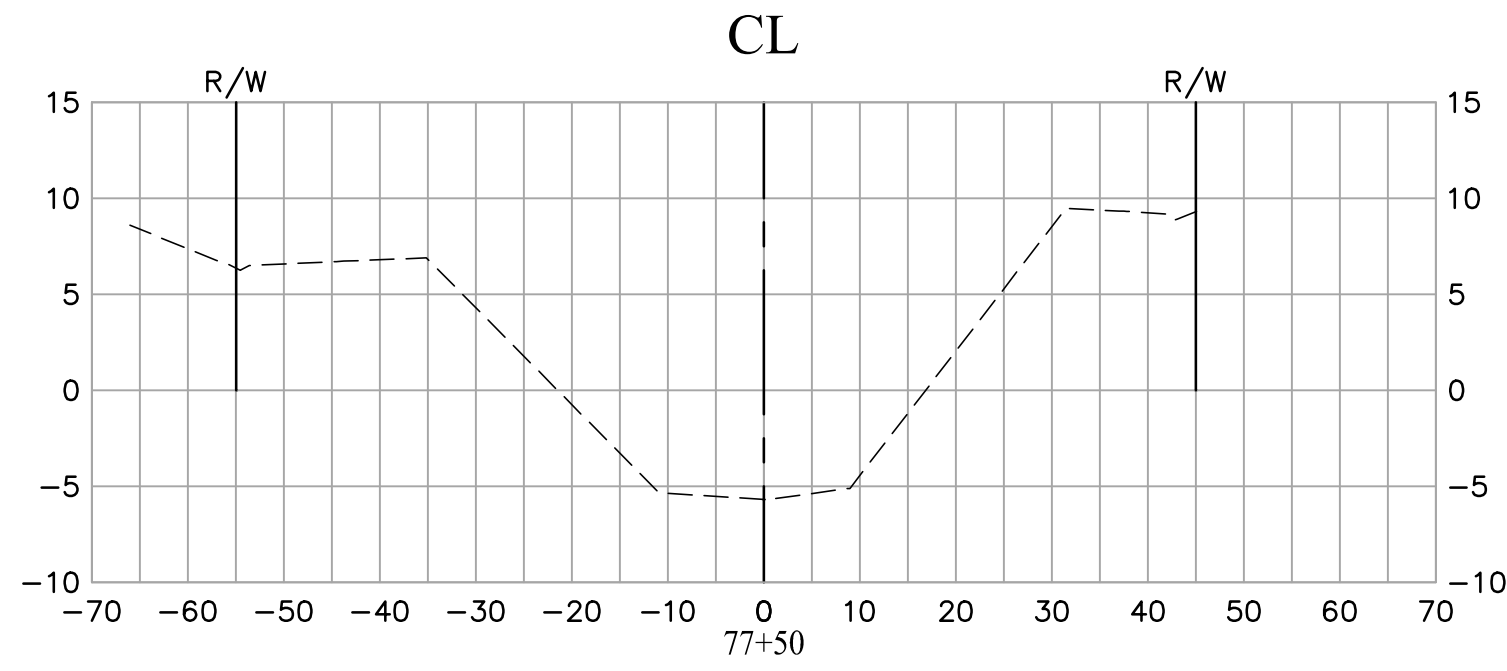
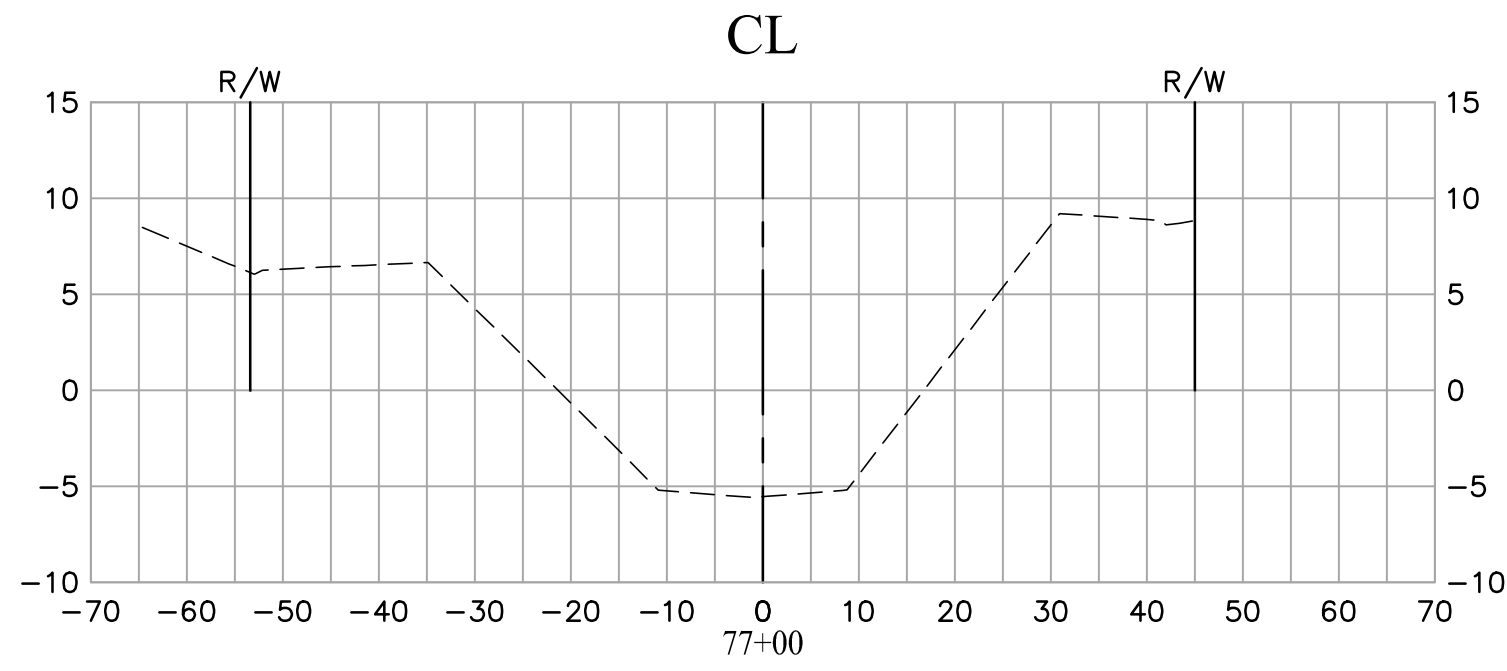
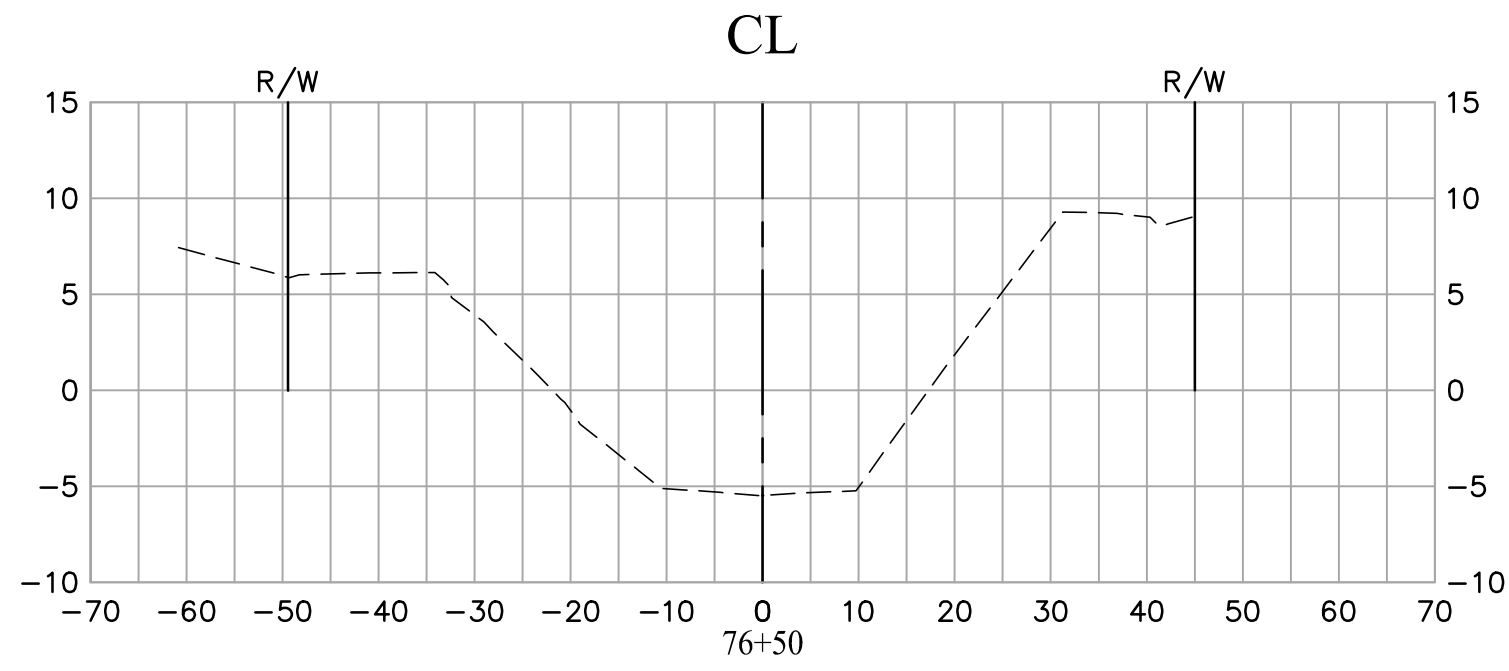
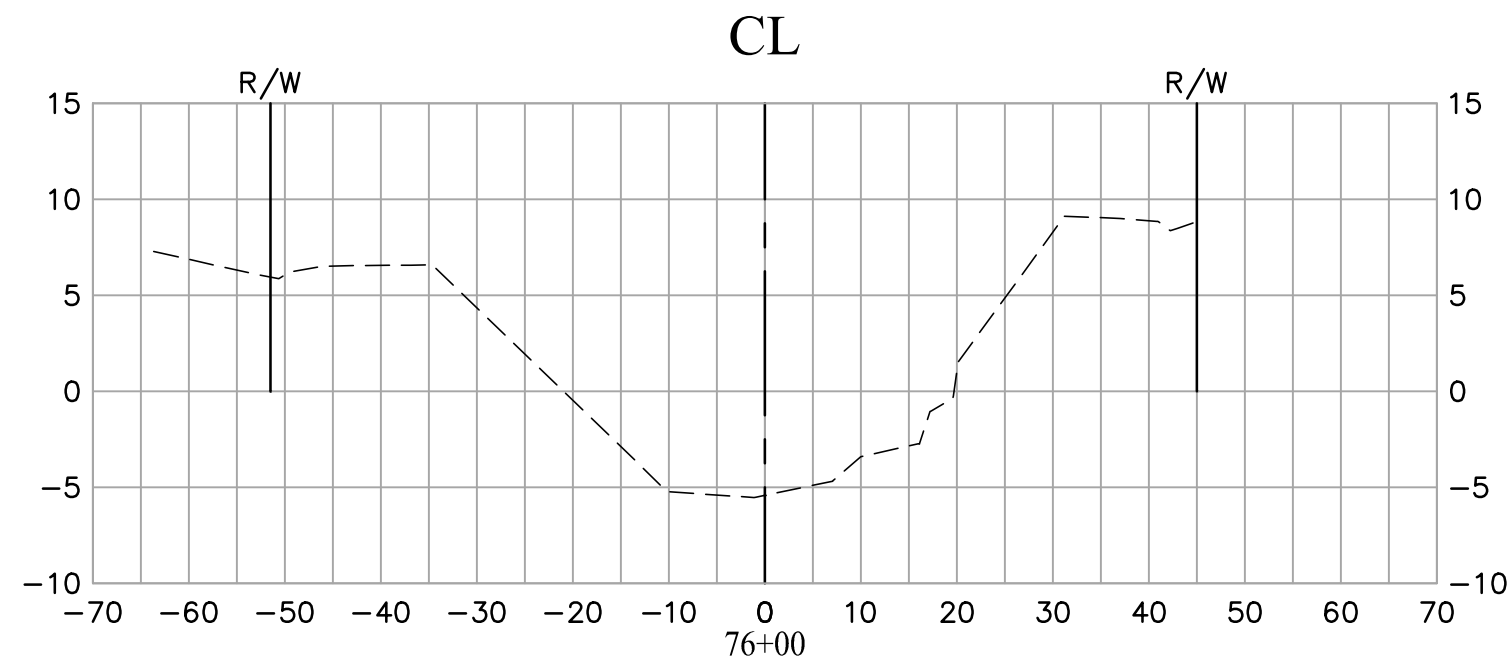
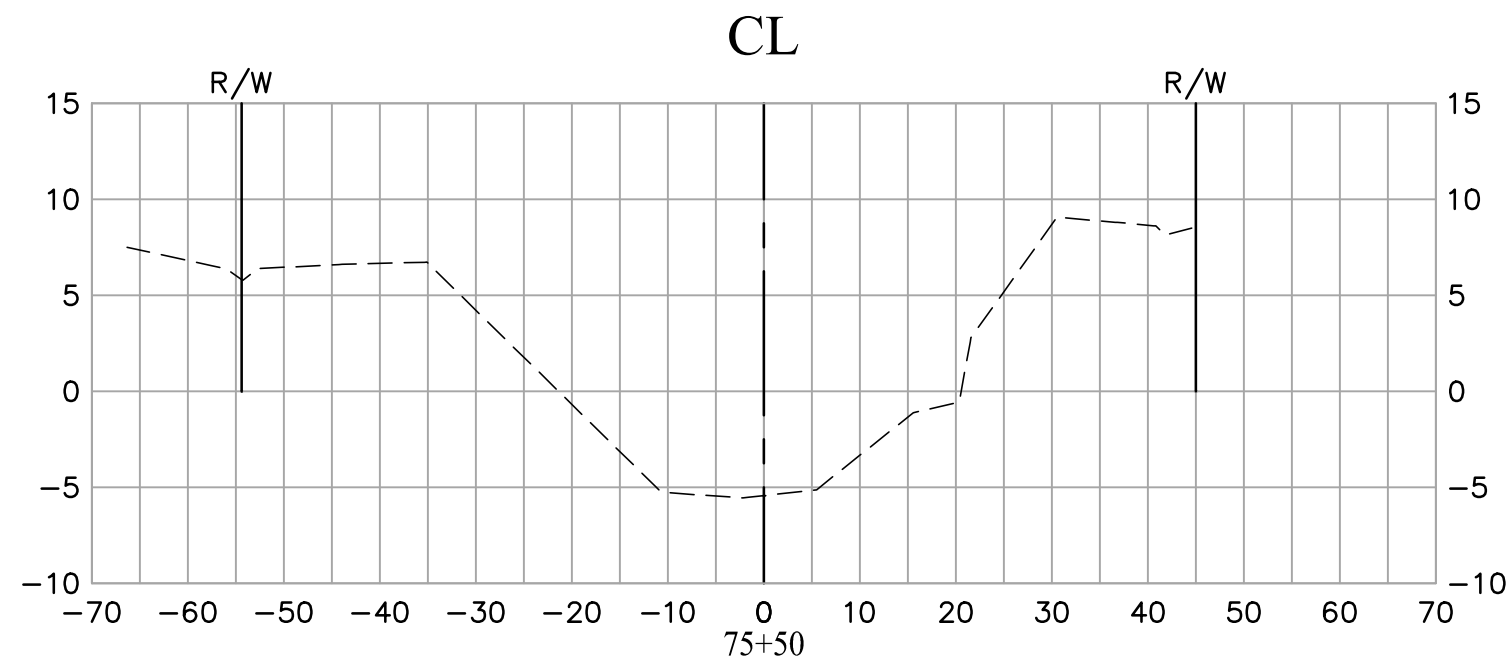
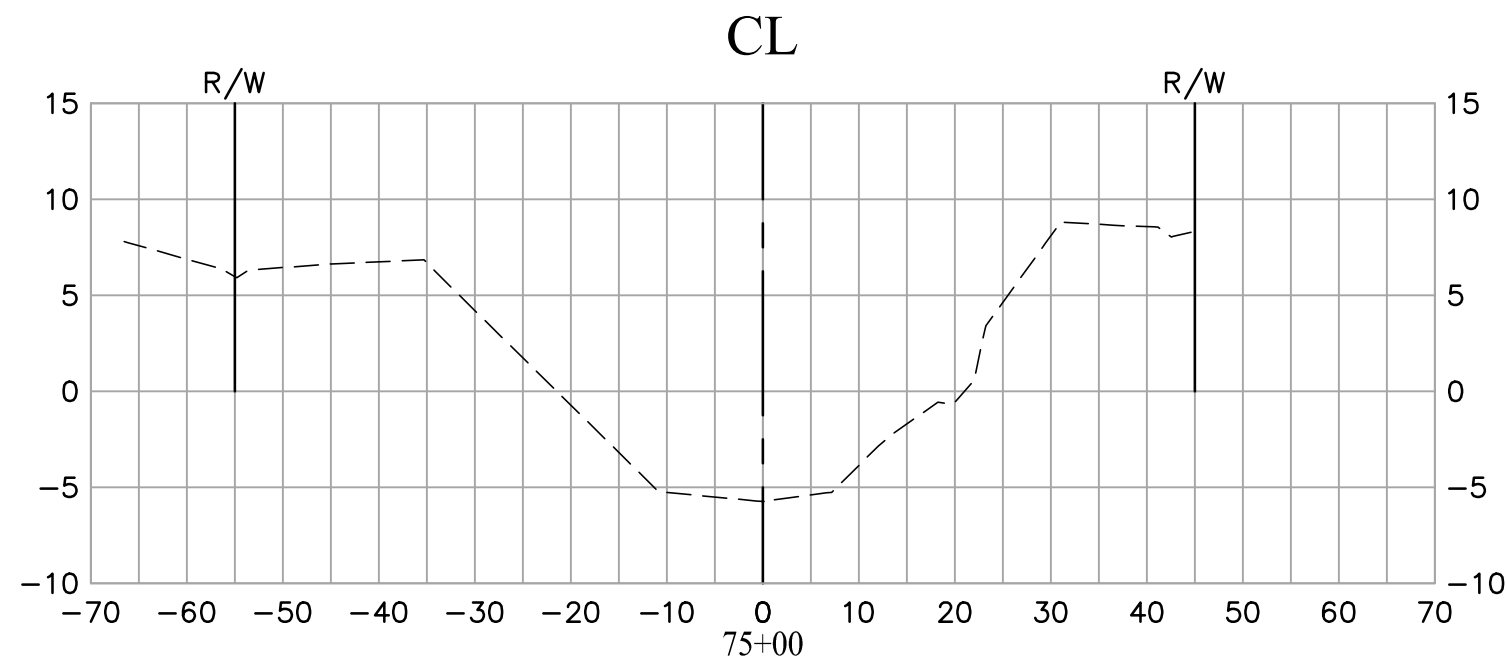
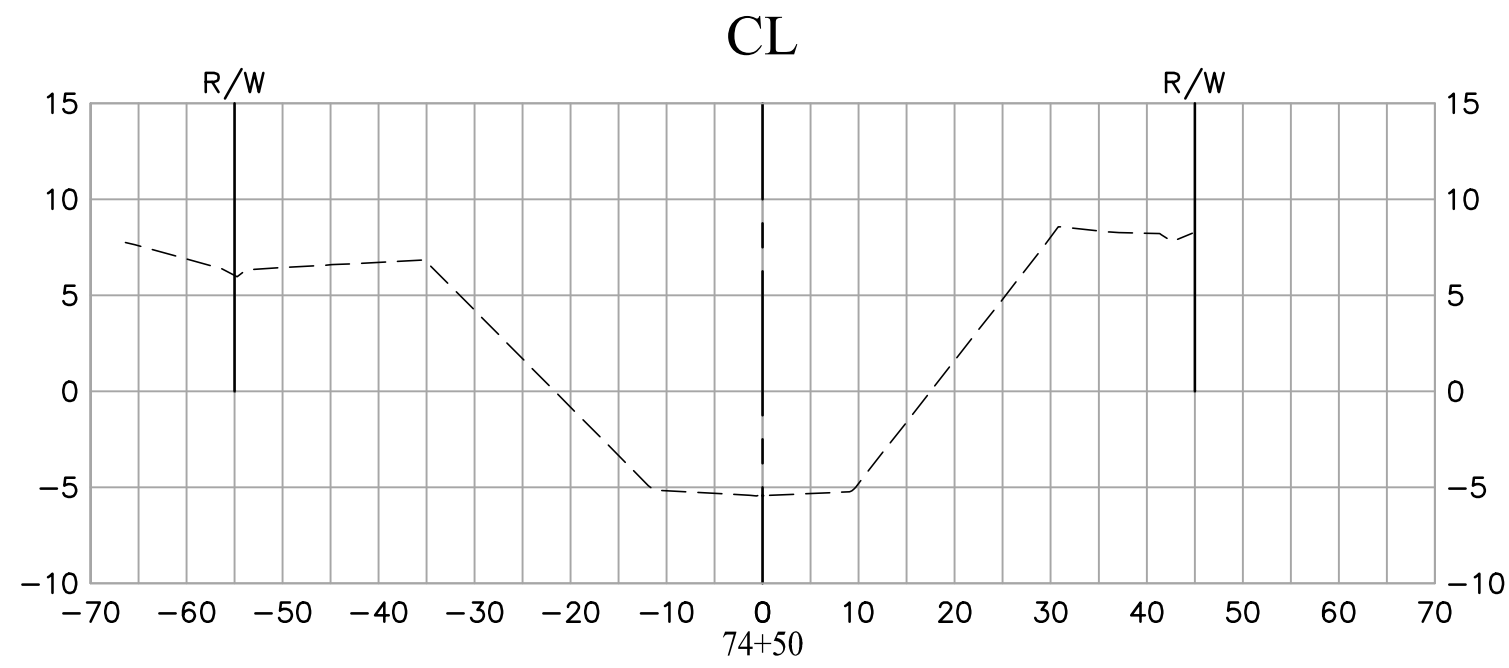
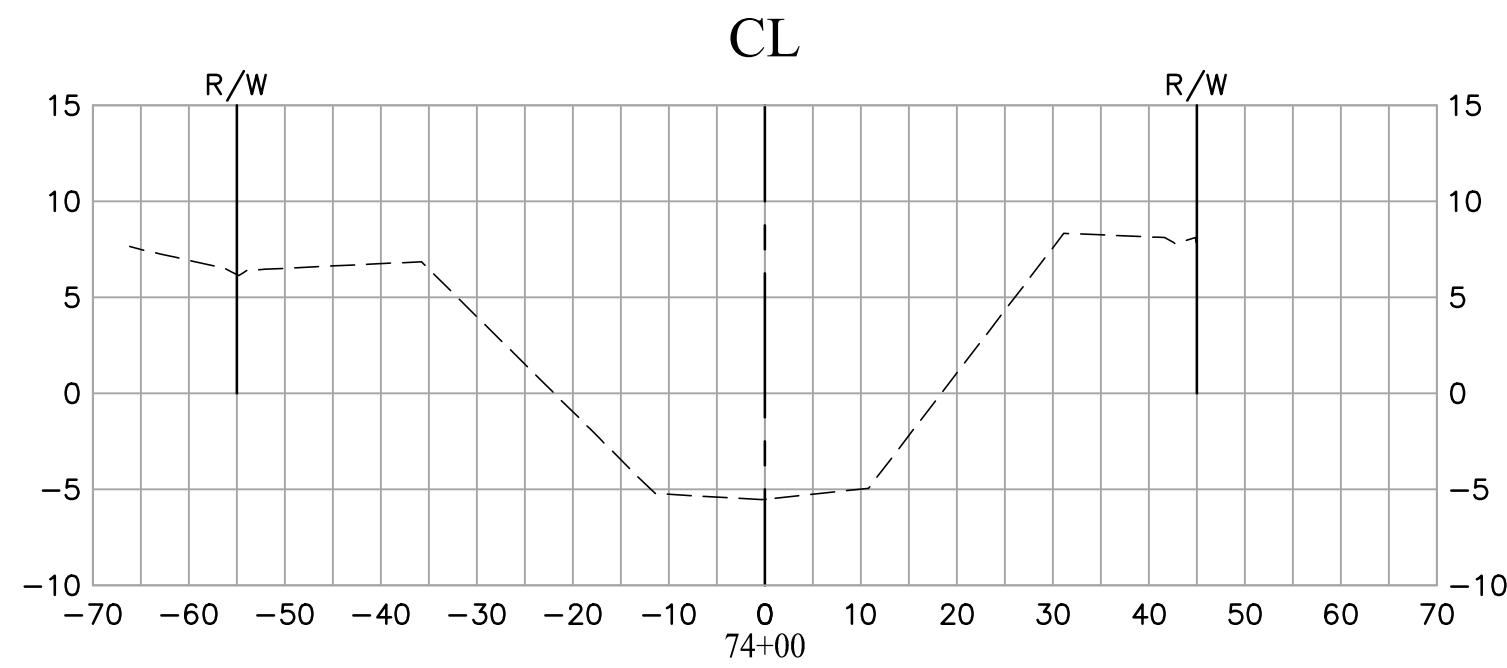
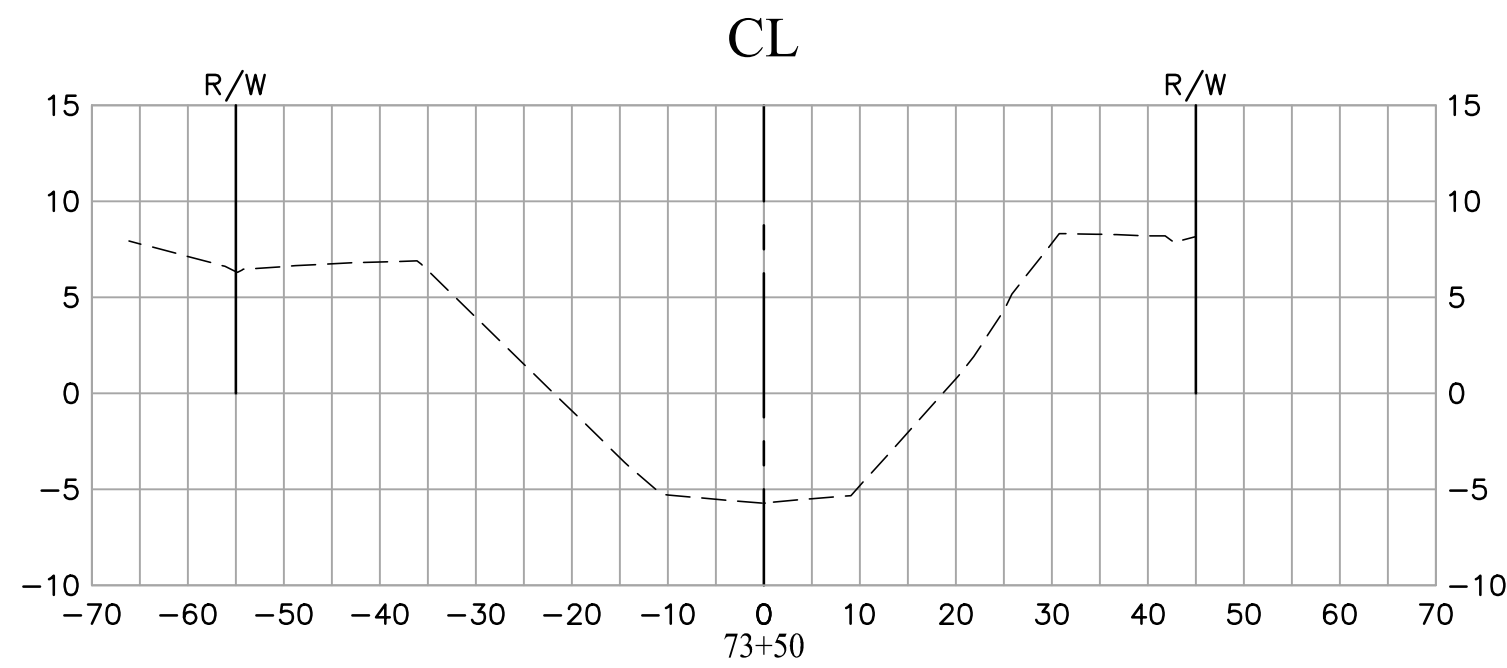
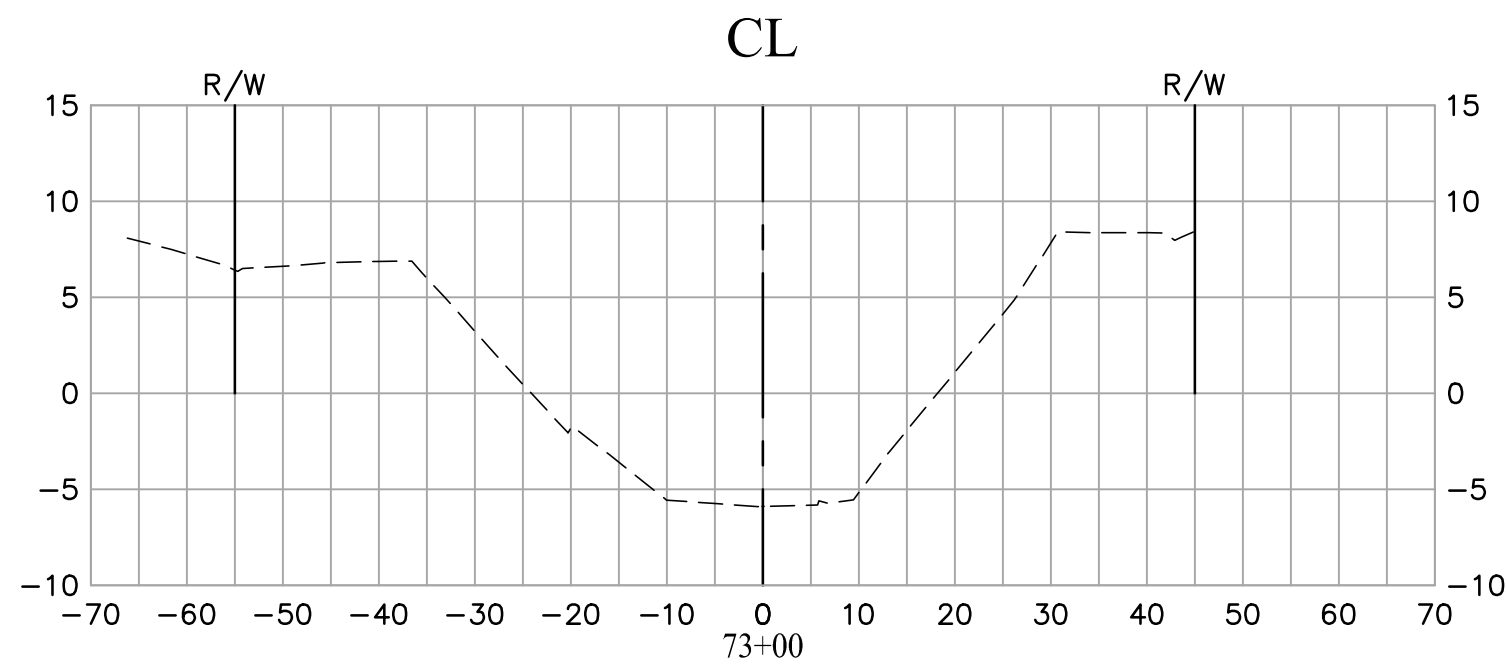
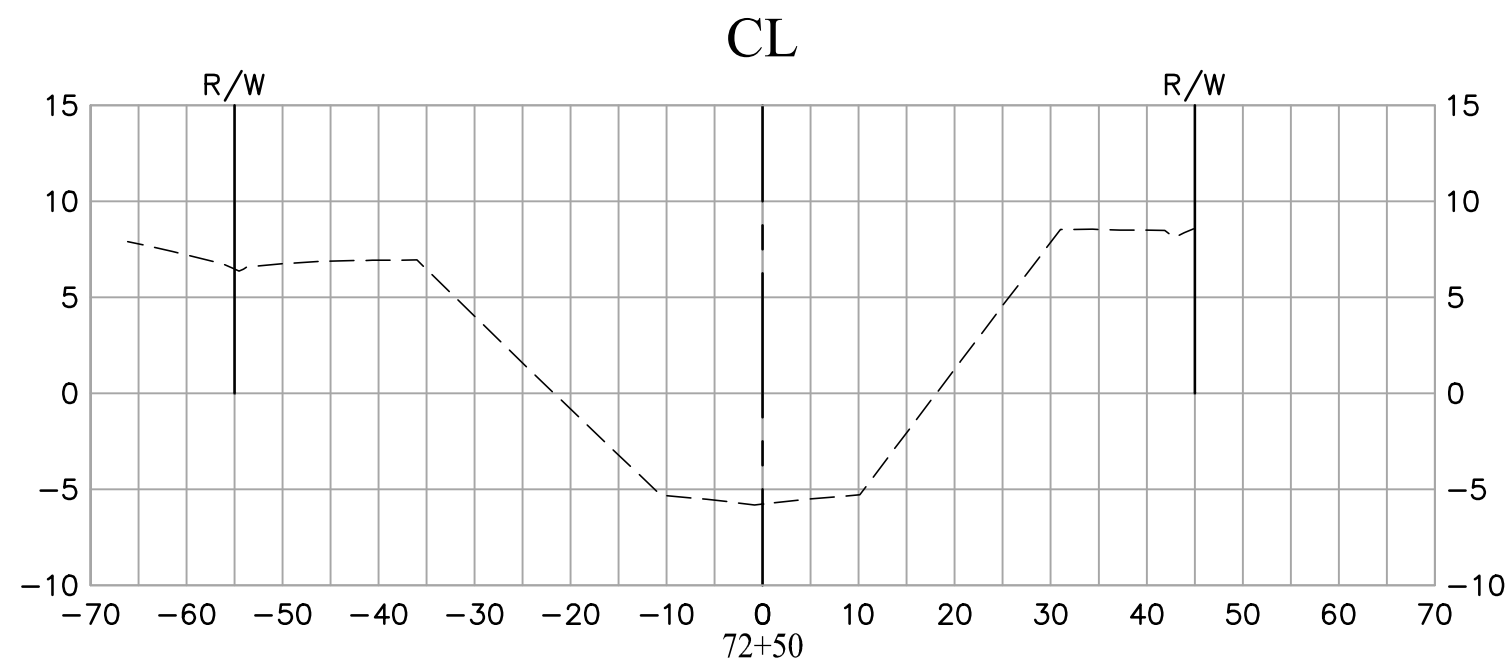
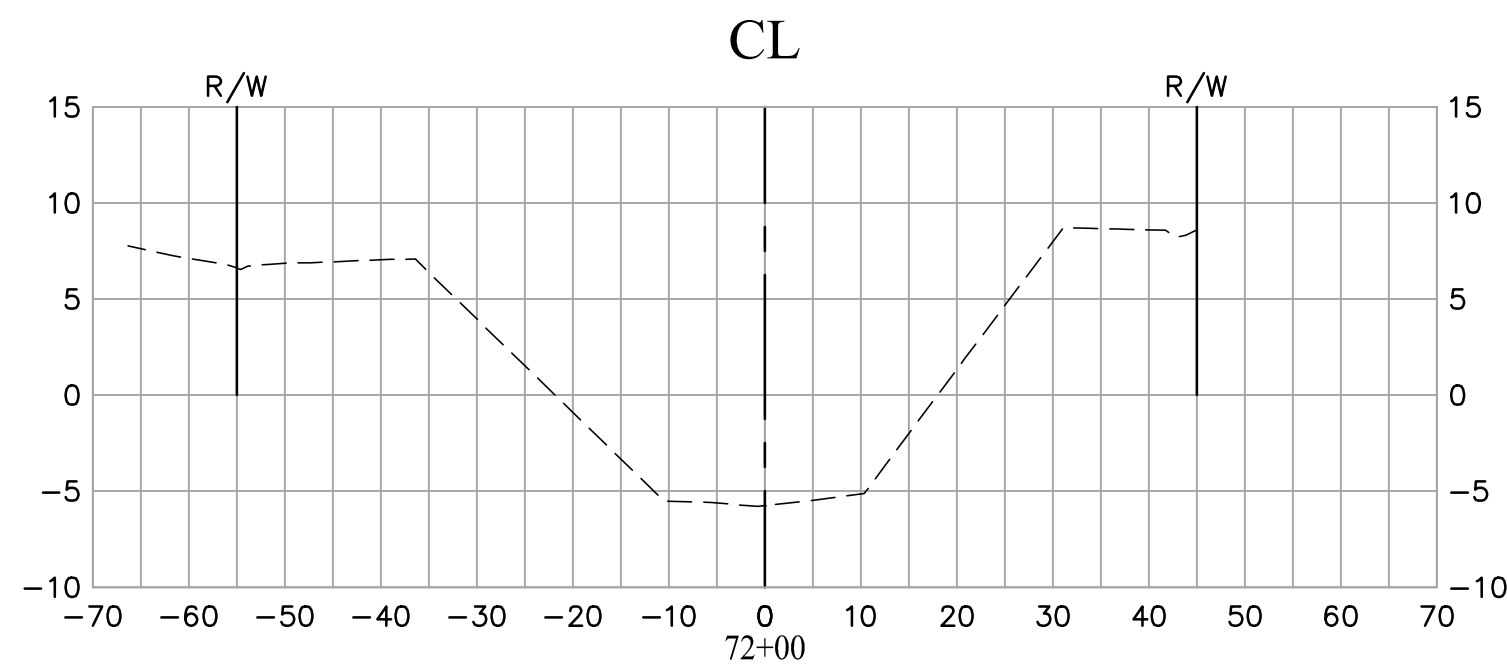
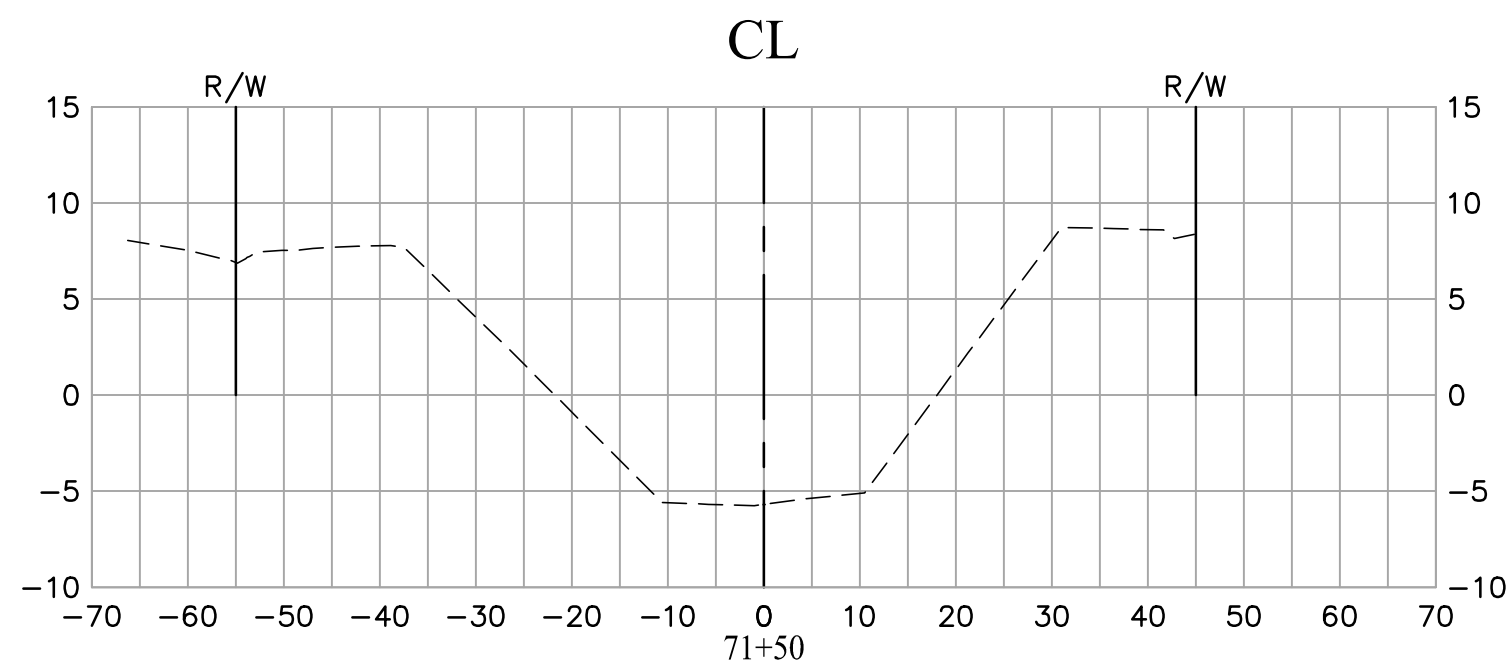
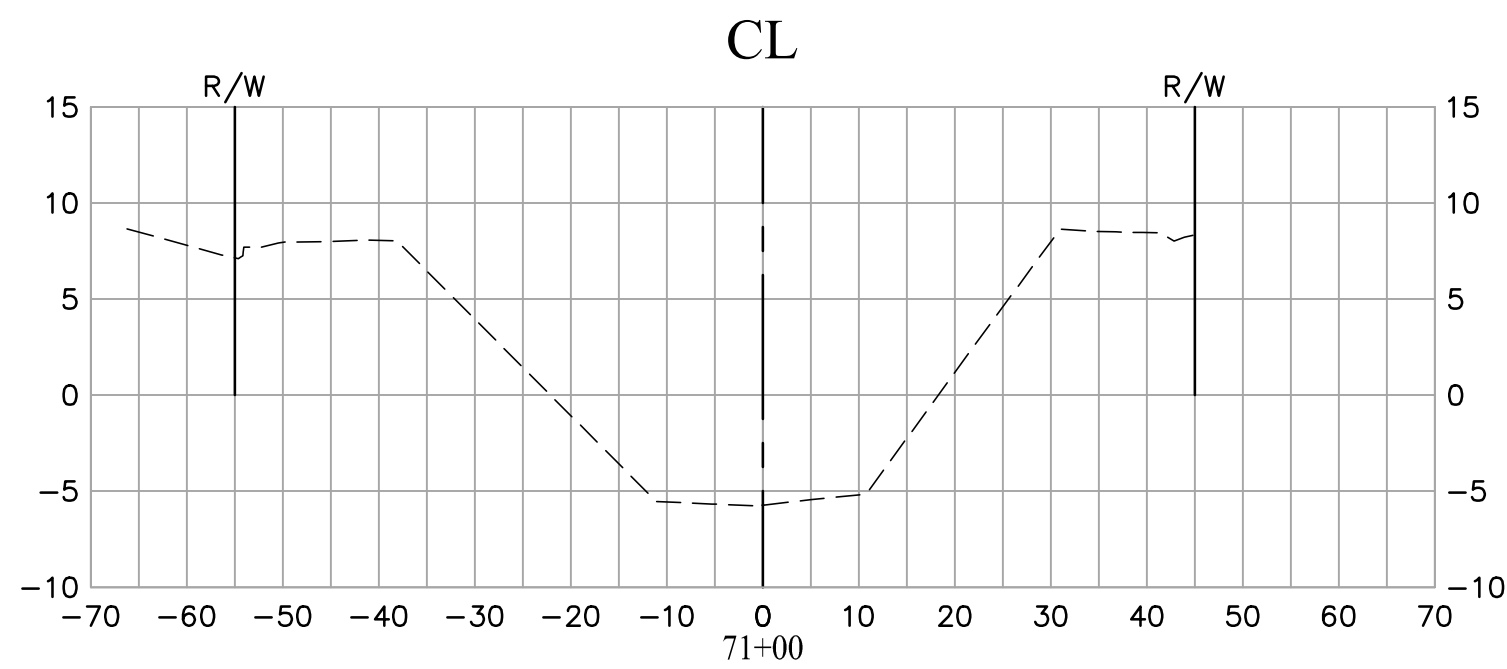
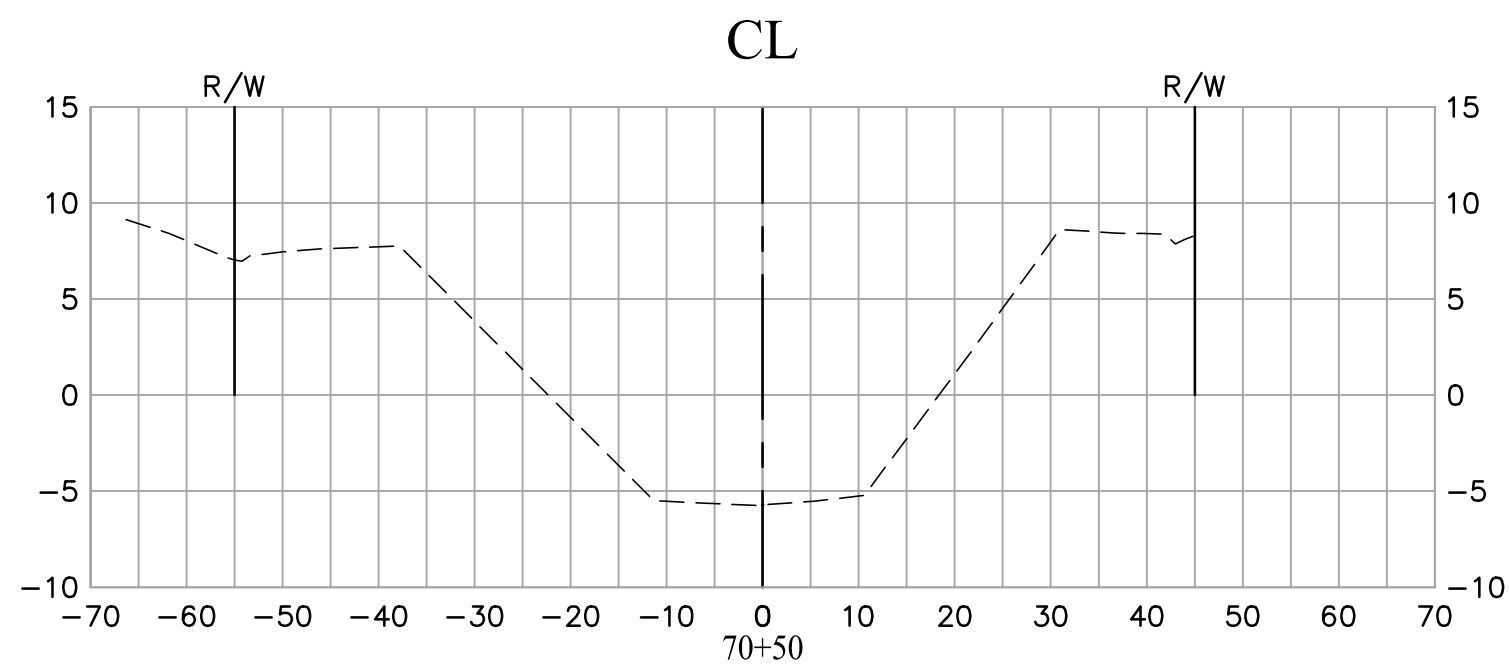
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VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



NOTES
CENTERLINES, RIGHT OF WAY AND PROPERTY LINES SHOWN BASED ON RECORD DATA FROM RECORD MAPS/DOCUMENTS AND TO BE USED FOR GRAPHICAL PURPOSES ONLY. UPON COMPLETION OF A BOUNDARY FIELD SURVEY, AN UPDATED SET OF PLANS, TO INCLUDE BOUNDARY NOTES AND ESTABLISHMENT, WILL BE SUBMITTED.

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS			
			SECTIONS			
			PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)			
			DATE OF SURVEY: 12/24/2020		BY: J. JOHNS	SHEET NO. 13 of 19
			MAPPING		BY: A. VU	
			OFFICE CHECK		BY: J. MORENO, PLS	
			FIELD CHECK		BY: J. JOHNS	
MARK	DATE	ITEM	SCALE: AS SHOWN W.O. #EF20403P		FILE # 2021PW-PR0001	
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG			



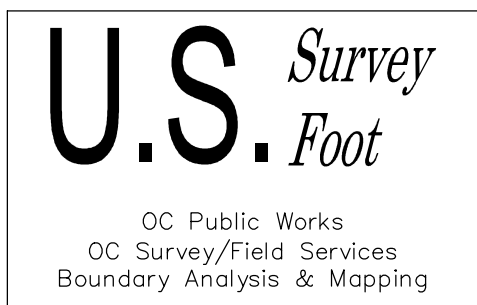
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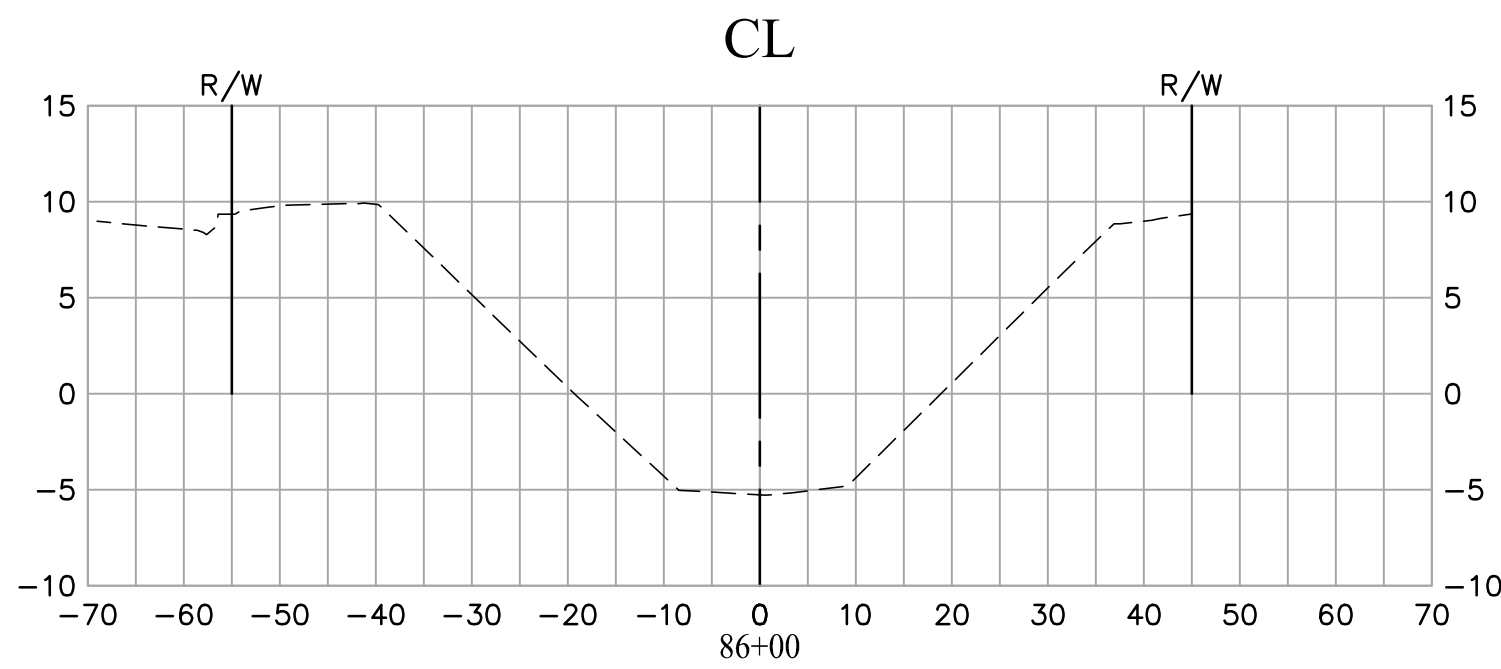
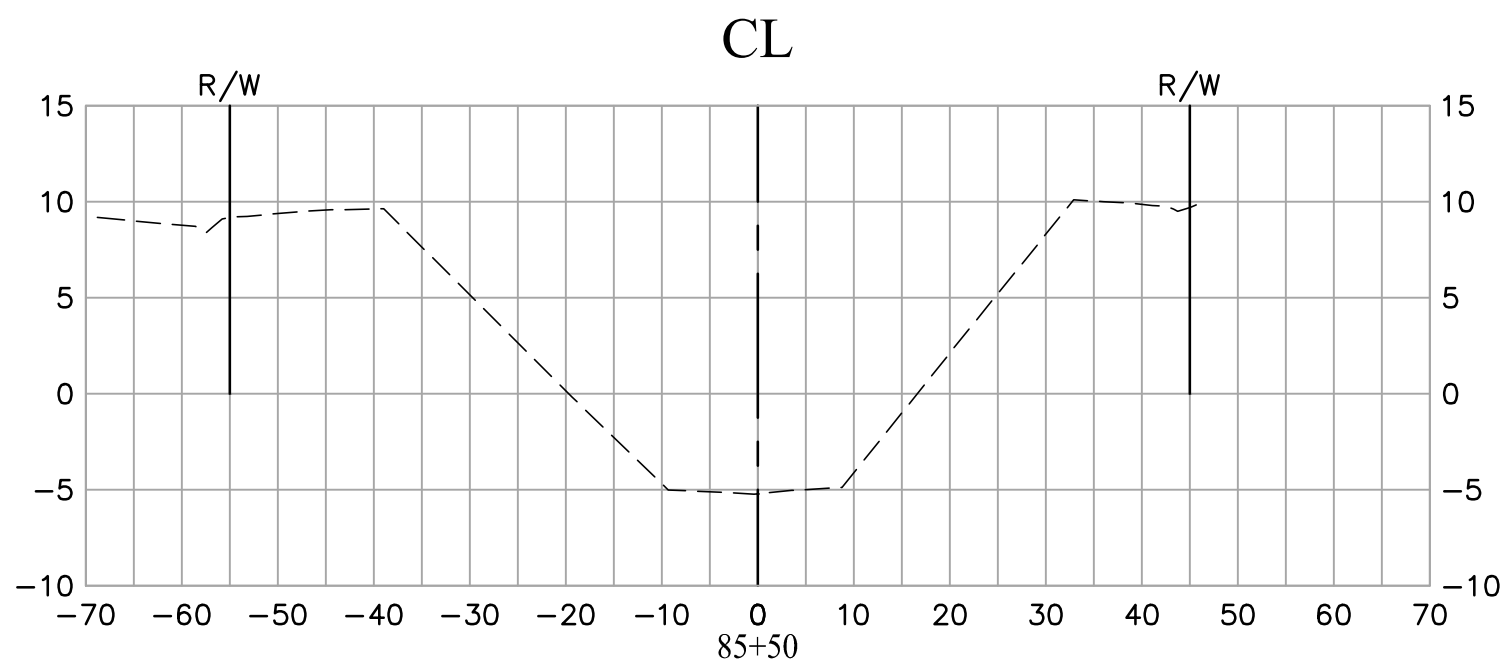
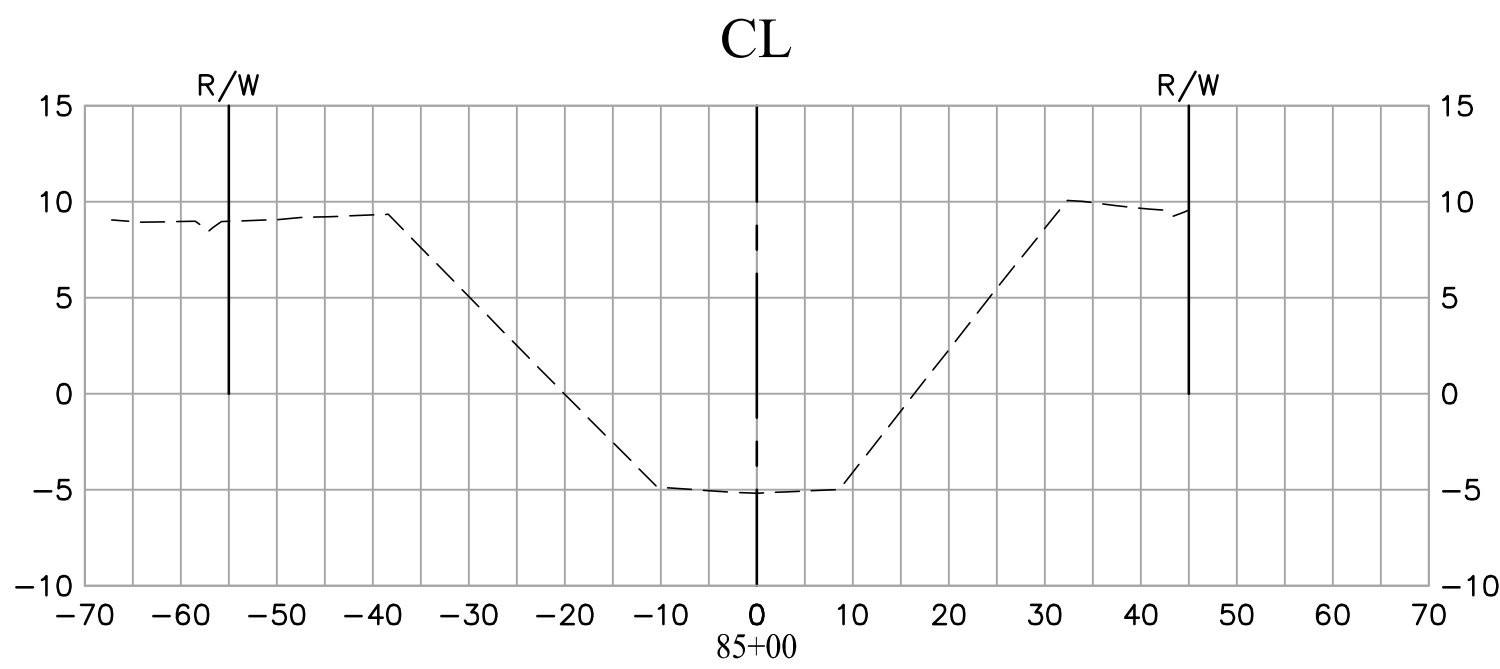
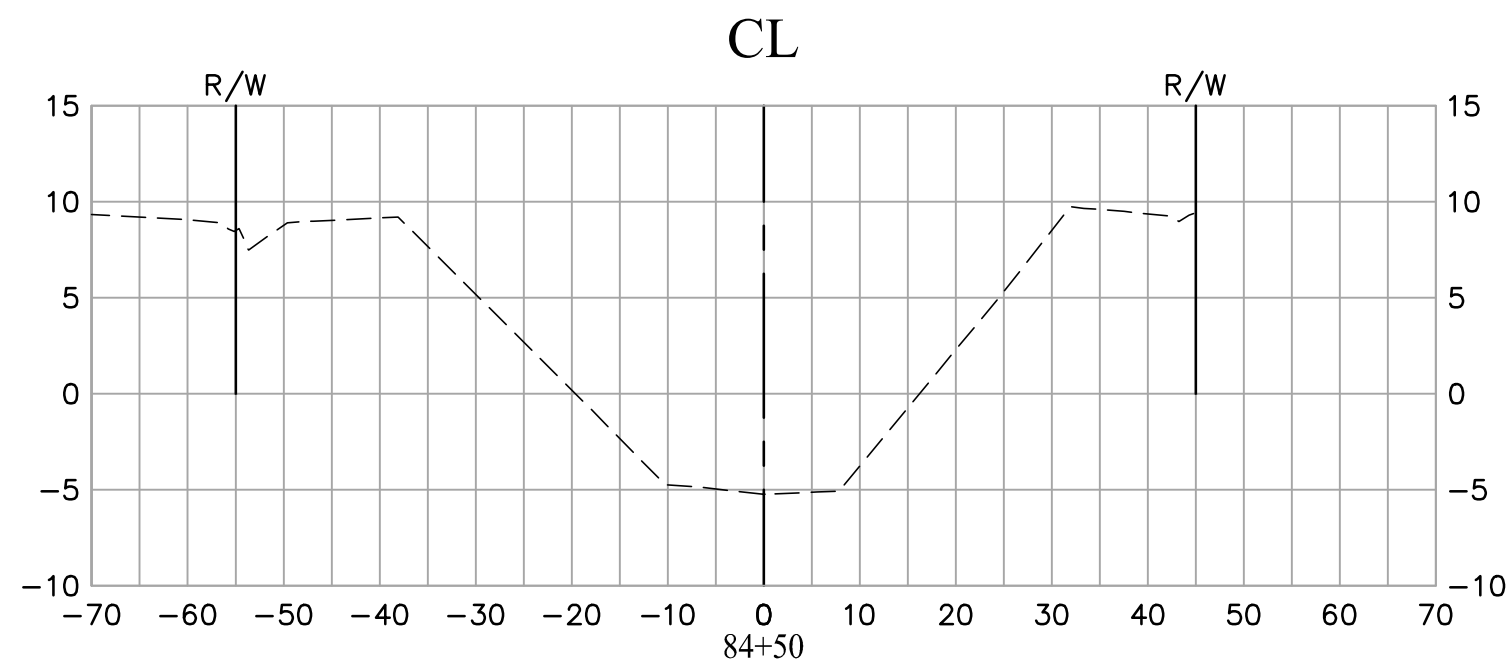
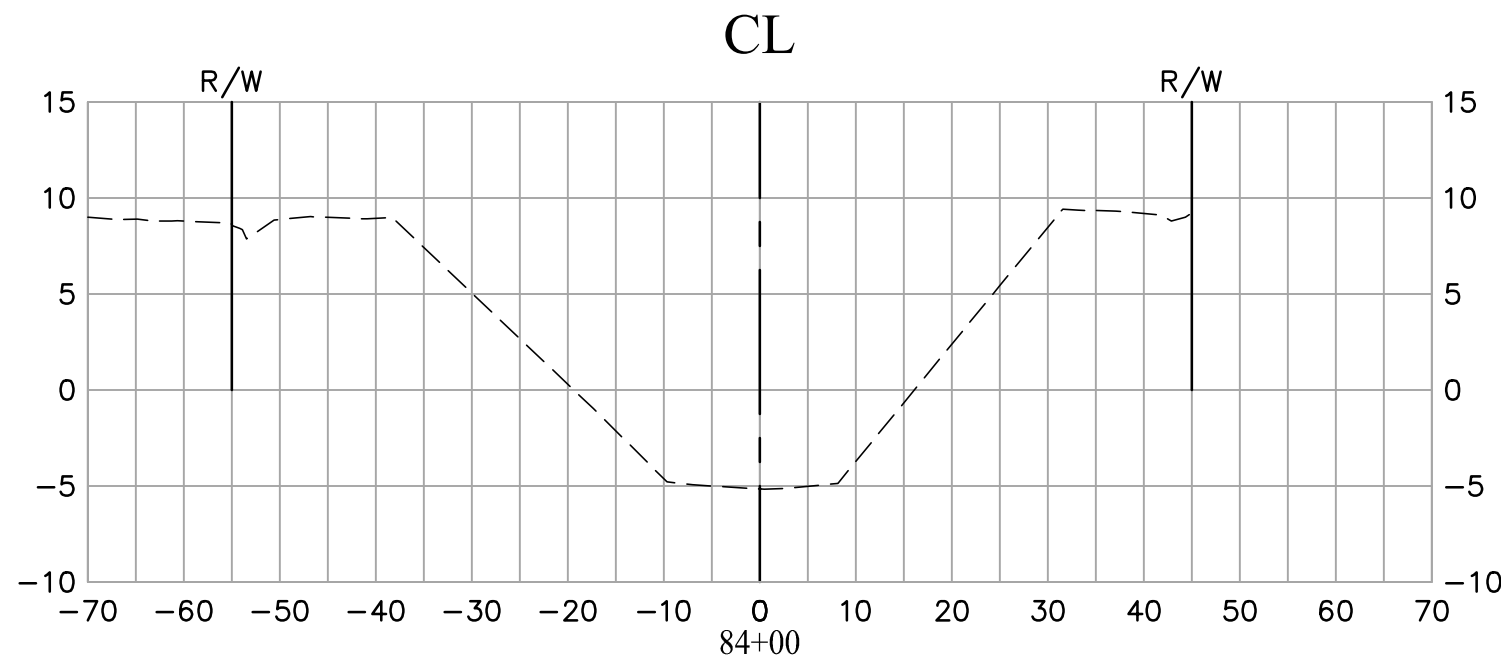
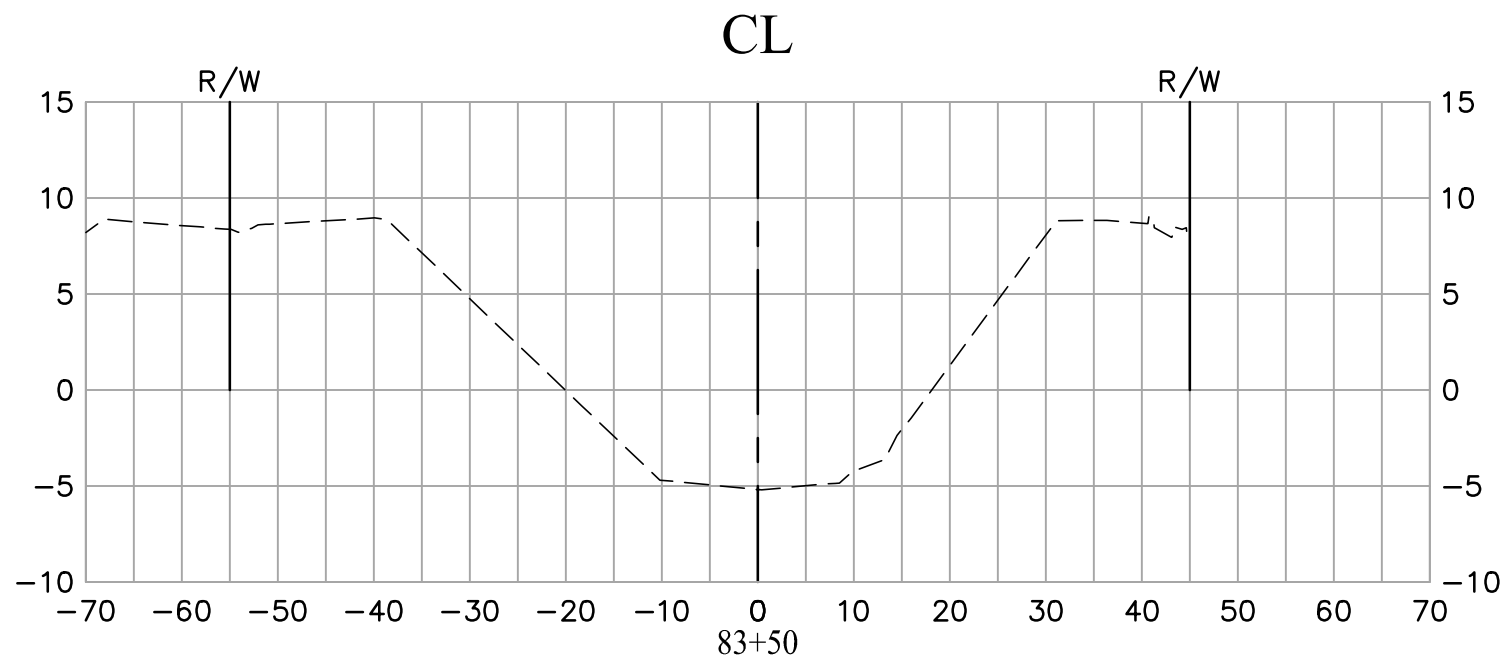
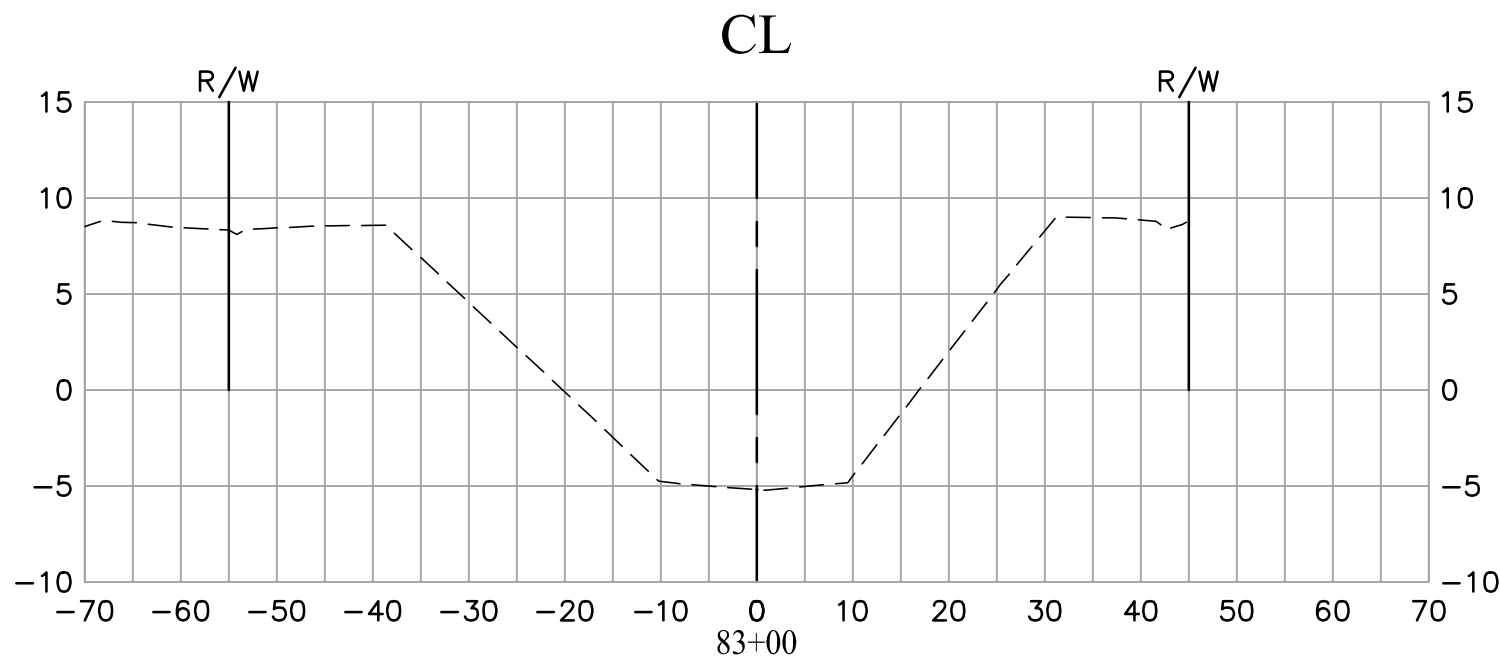
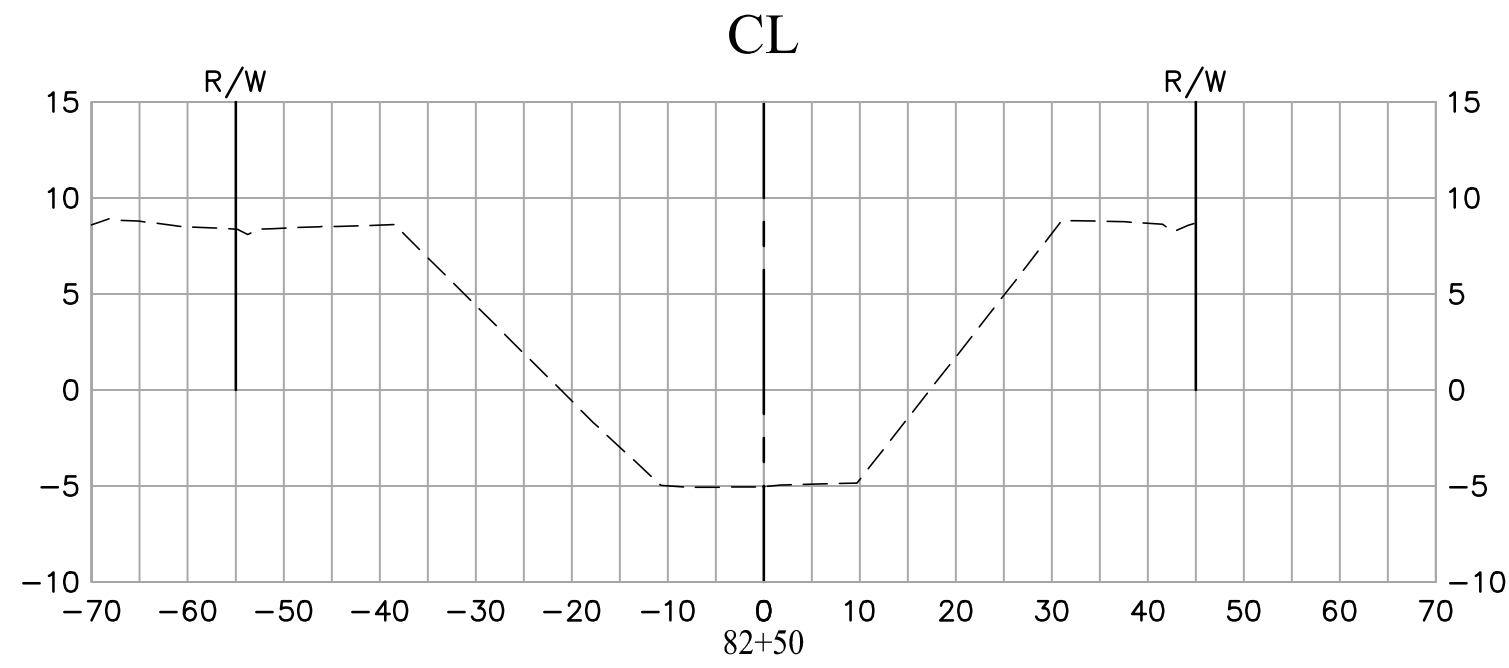
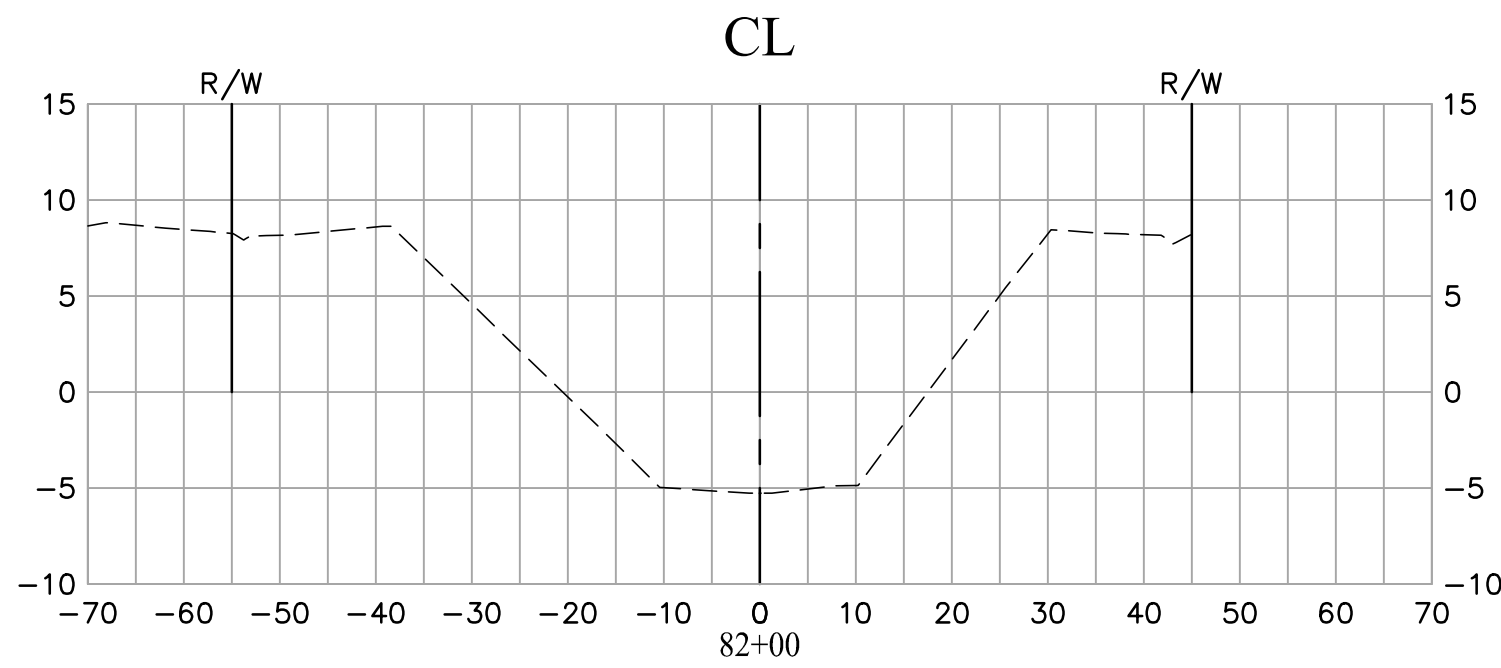
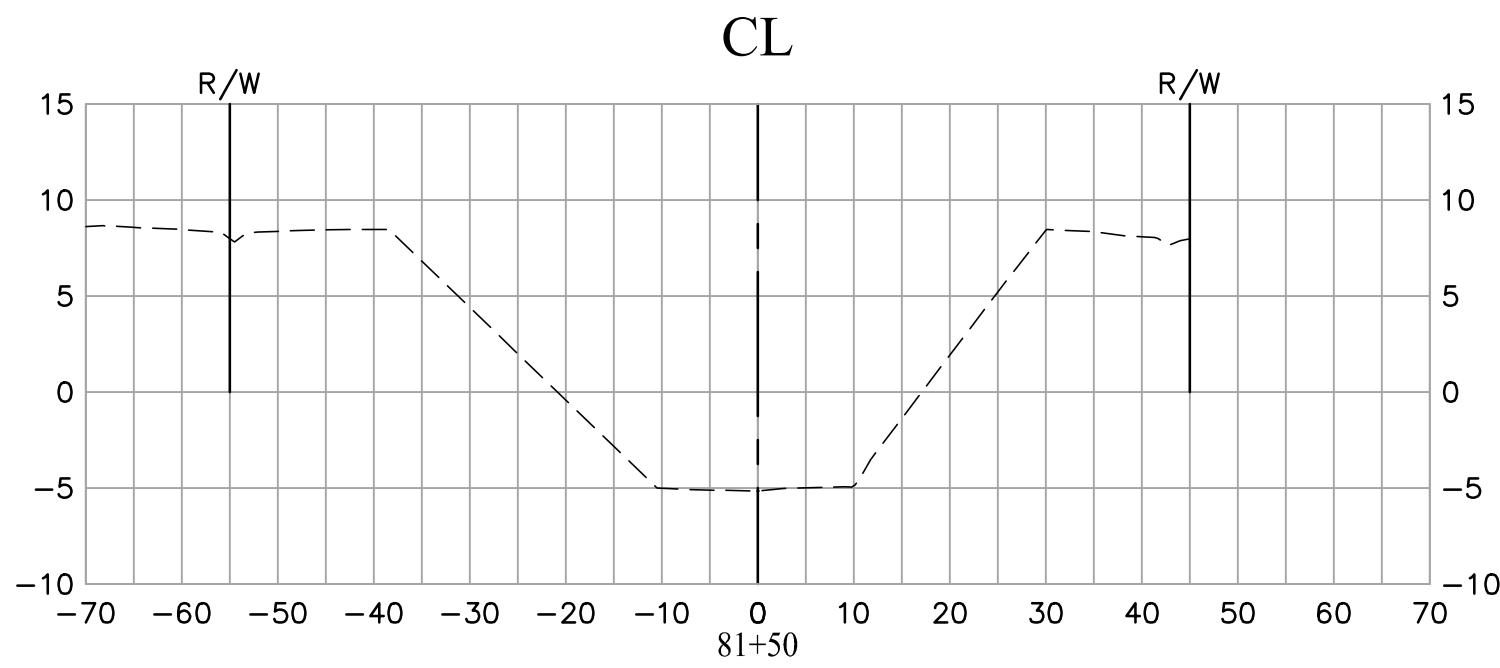
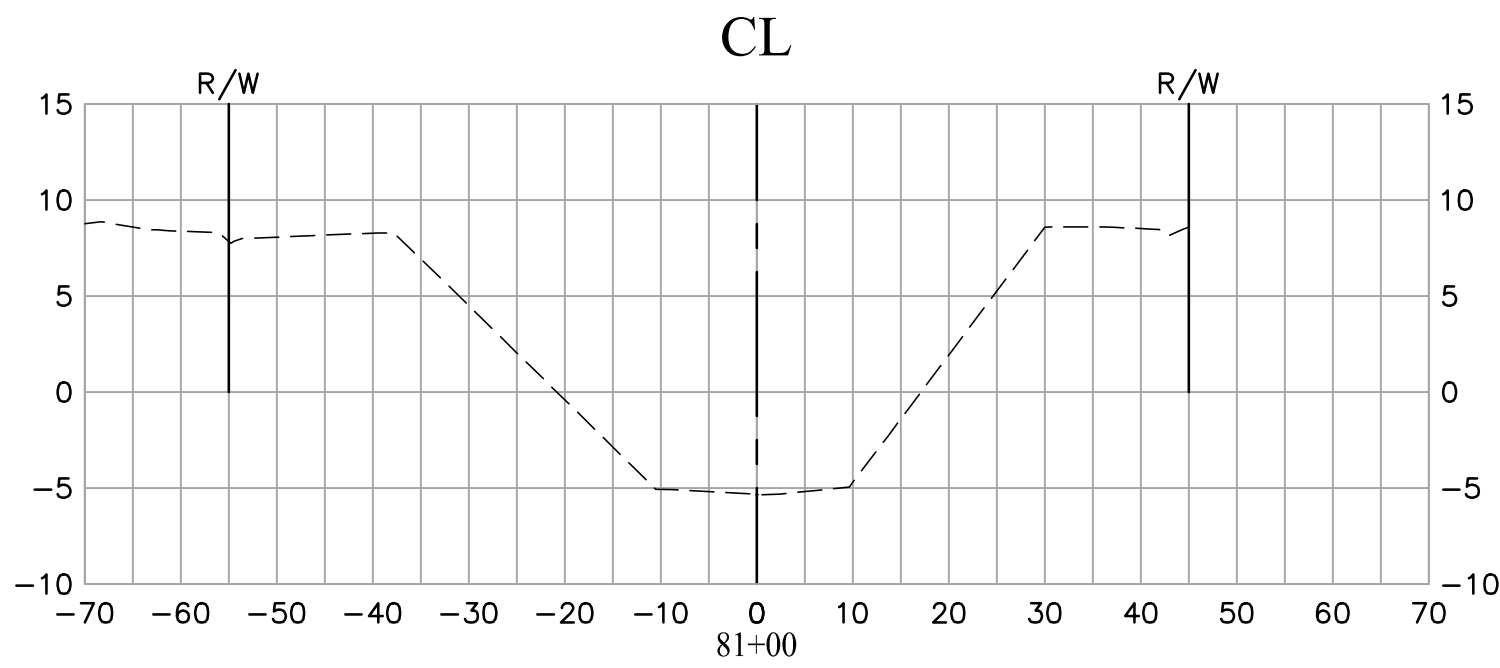
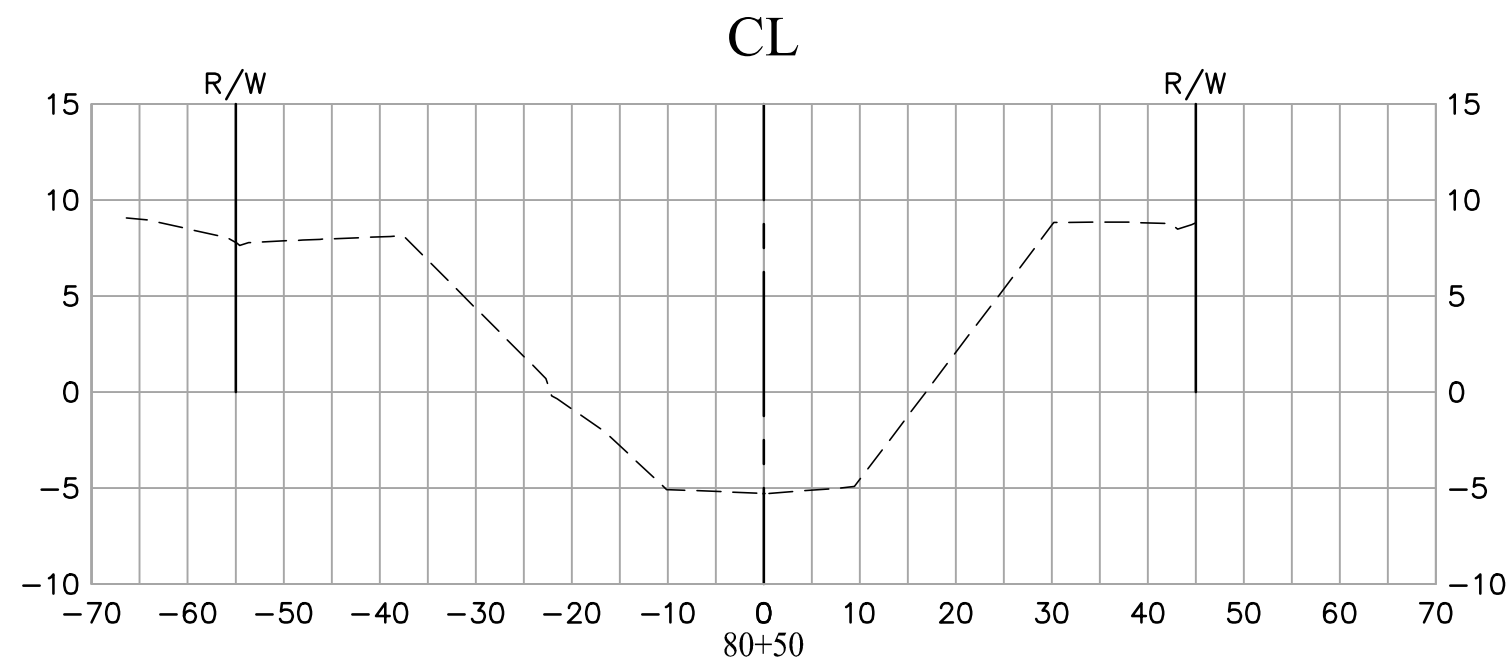
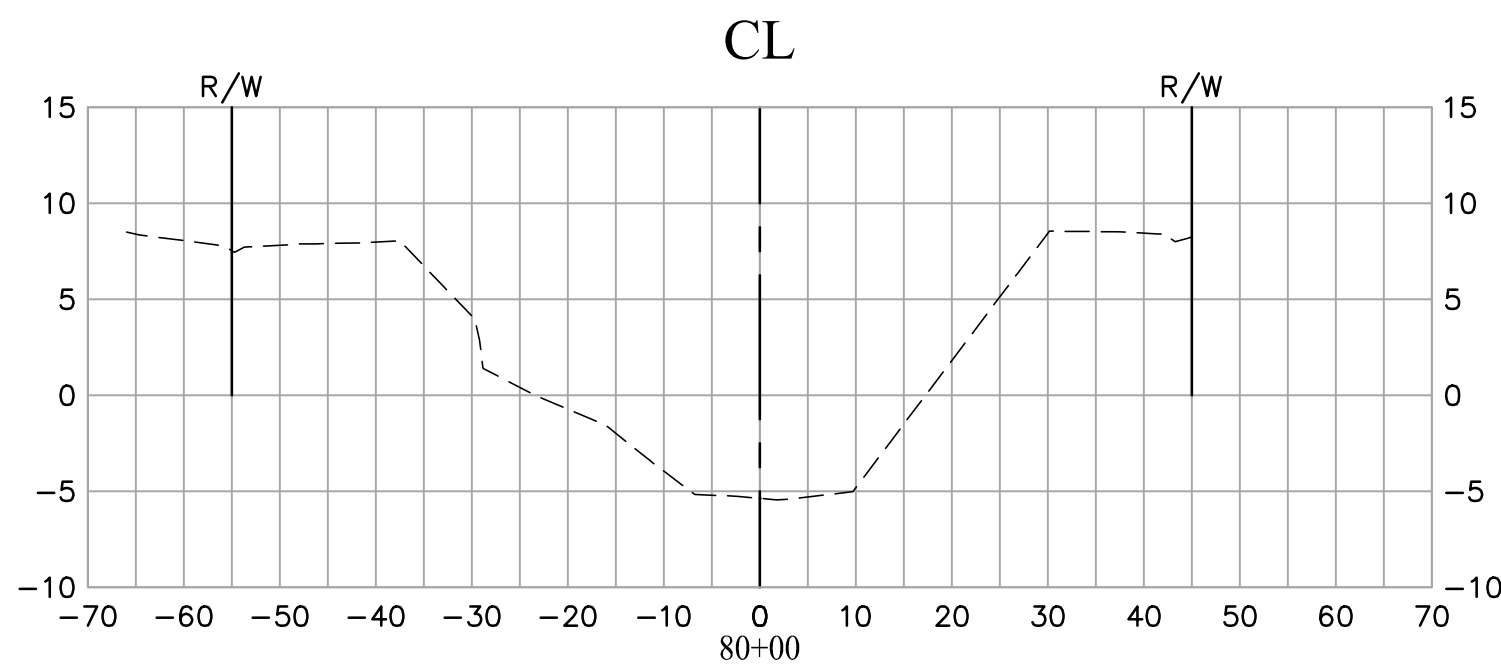
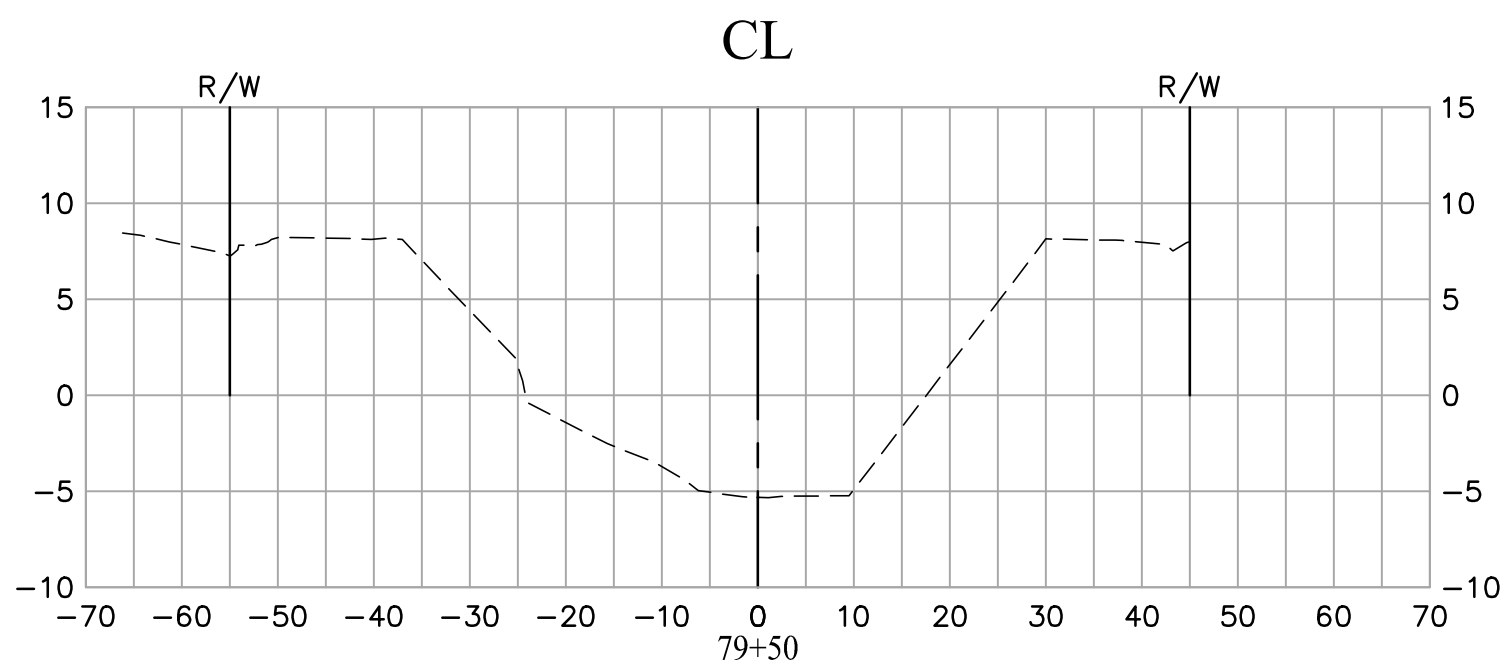
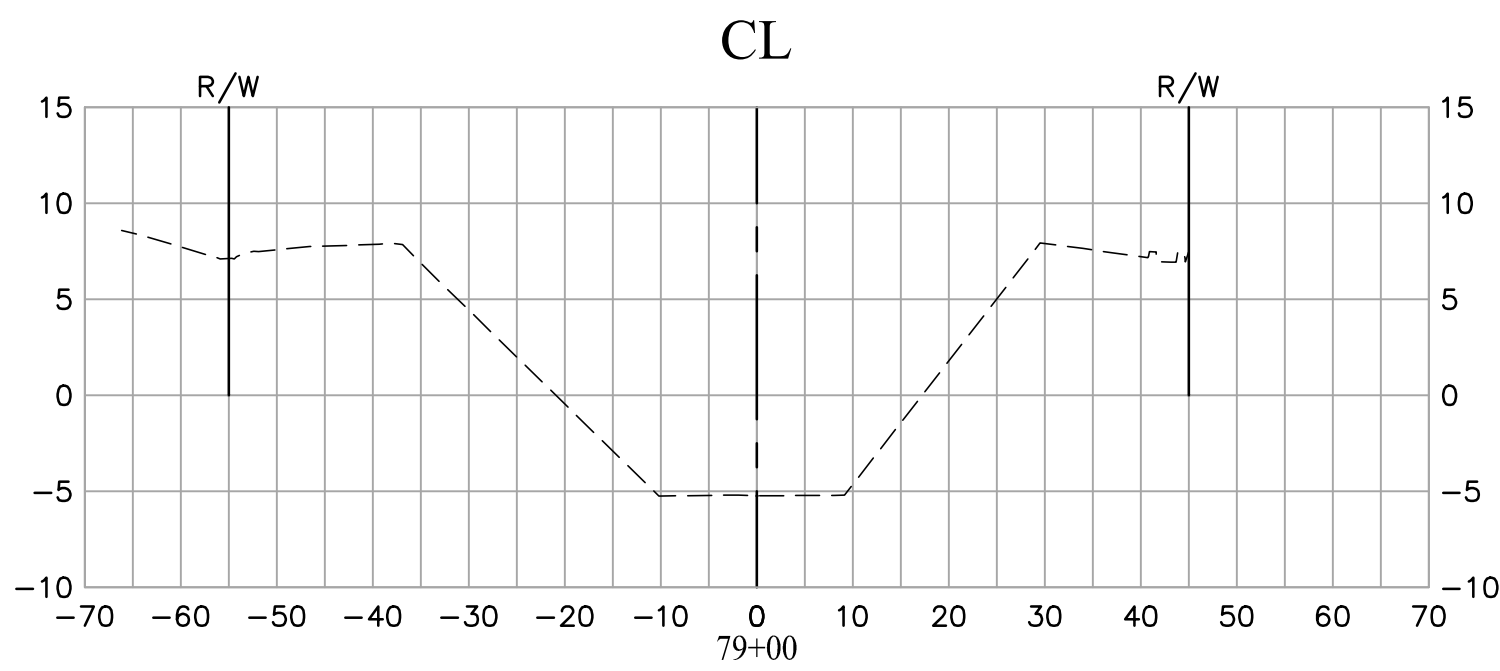
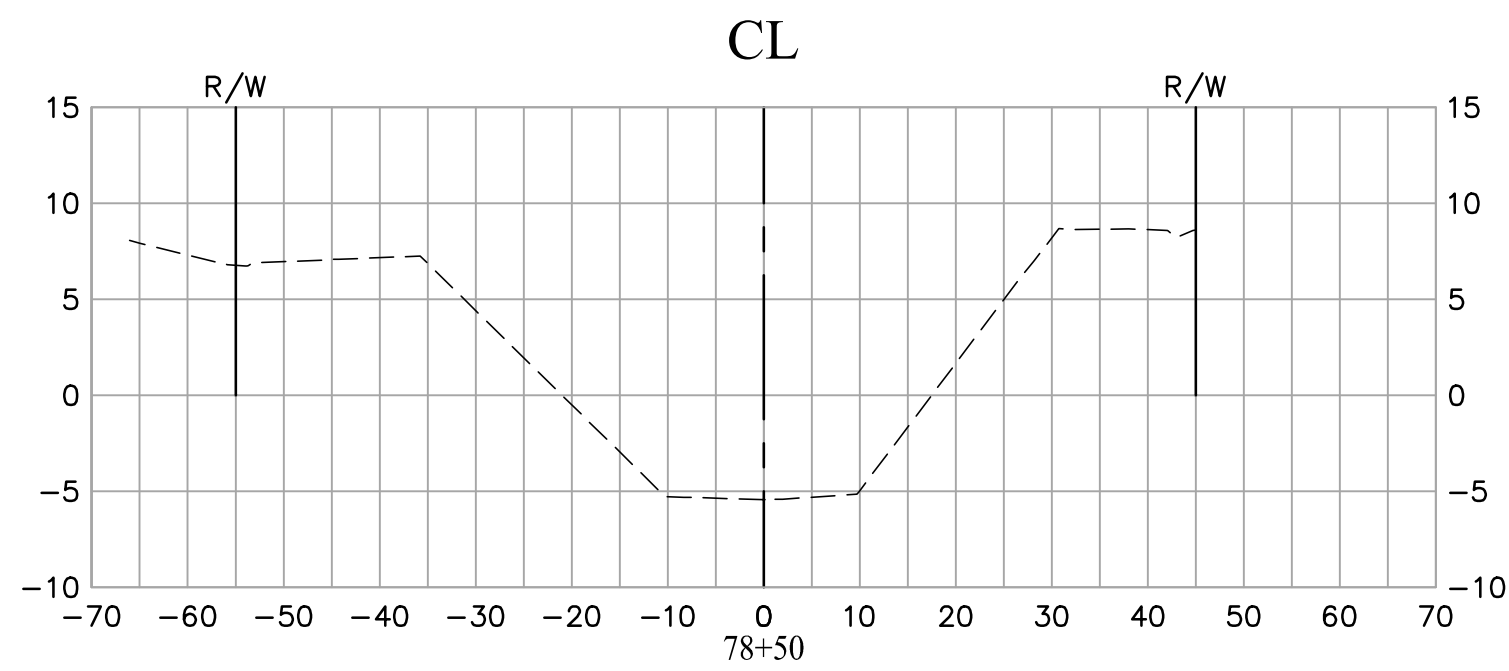
NOTES

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VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



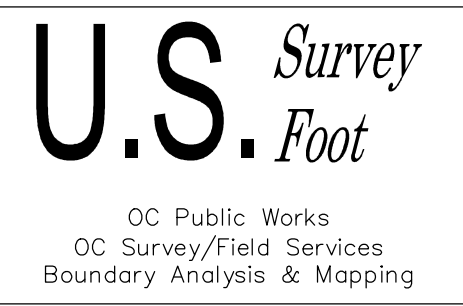
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS				
			SECTIONS				
			PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)				
			DATE OF SURVEY:12/24/2020		BY:J. JOHNS		SHEET NO. 14 of 19
			MAPPING		BY:A. VU		
			OFFICE CHECK		BY:J. MORENO, PLS		
			FIELD CHECK		BY:J. JOHNS		
			MARK	DATE	ITEM	SCALE: AS SHOWN W.O. #EF20403P FILE # 2021PW-PR0001	
			REVISIONS			FILE:LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	



LEGEND

----- Existing Surface

VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



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COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS

SECTIONS

PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM)

TO GARDEN GROVE FREEWAY (UPSTREAM)

DATE OF SURVEY: 12/24/2020

MAPPING

OFFICE CHECK

FIELD CHECK

SCALE: AS SHOWN

FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG

BY: J. JOHNS

BY: A. VU

BY: J. MORENO, PLS

BY: J. JOHNS

W.O. #EF20403P

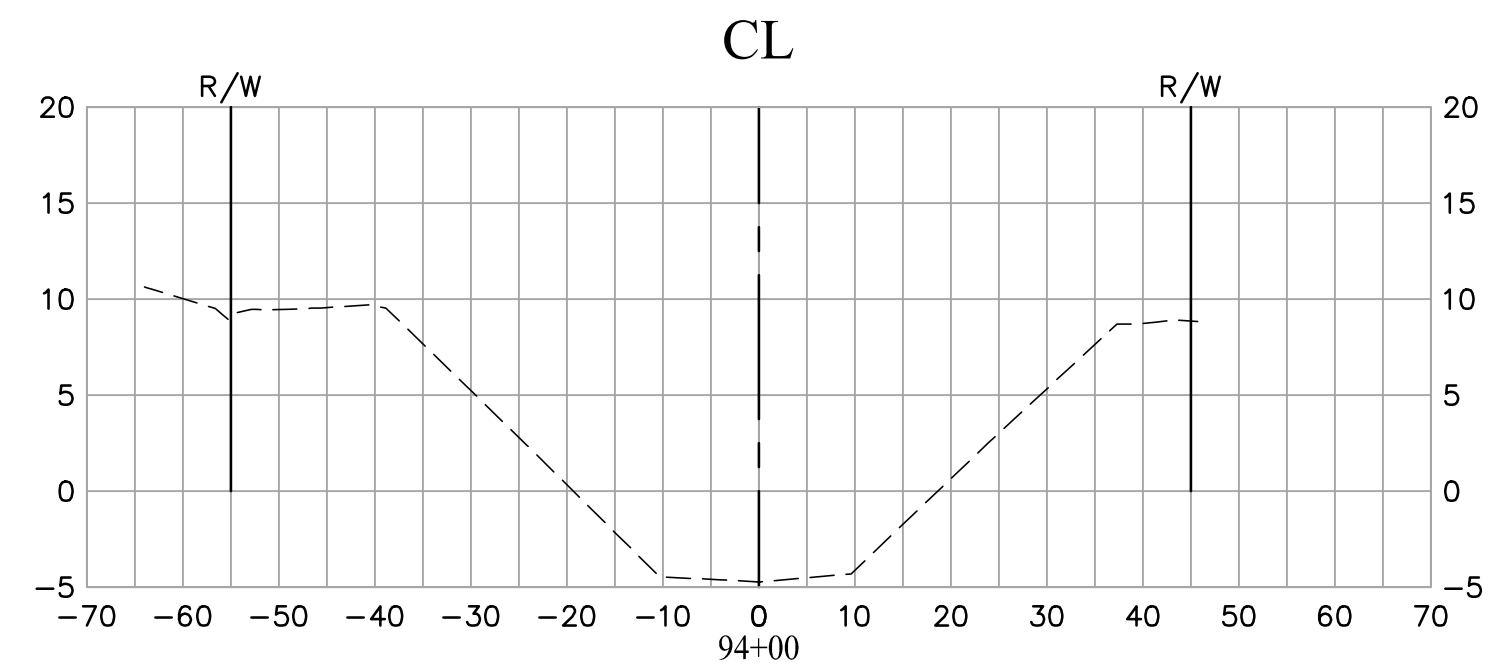
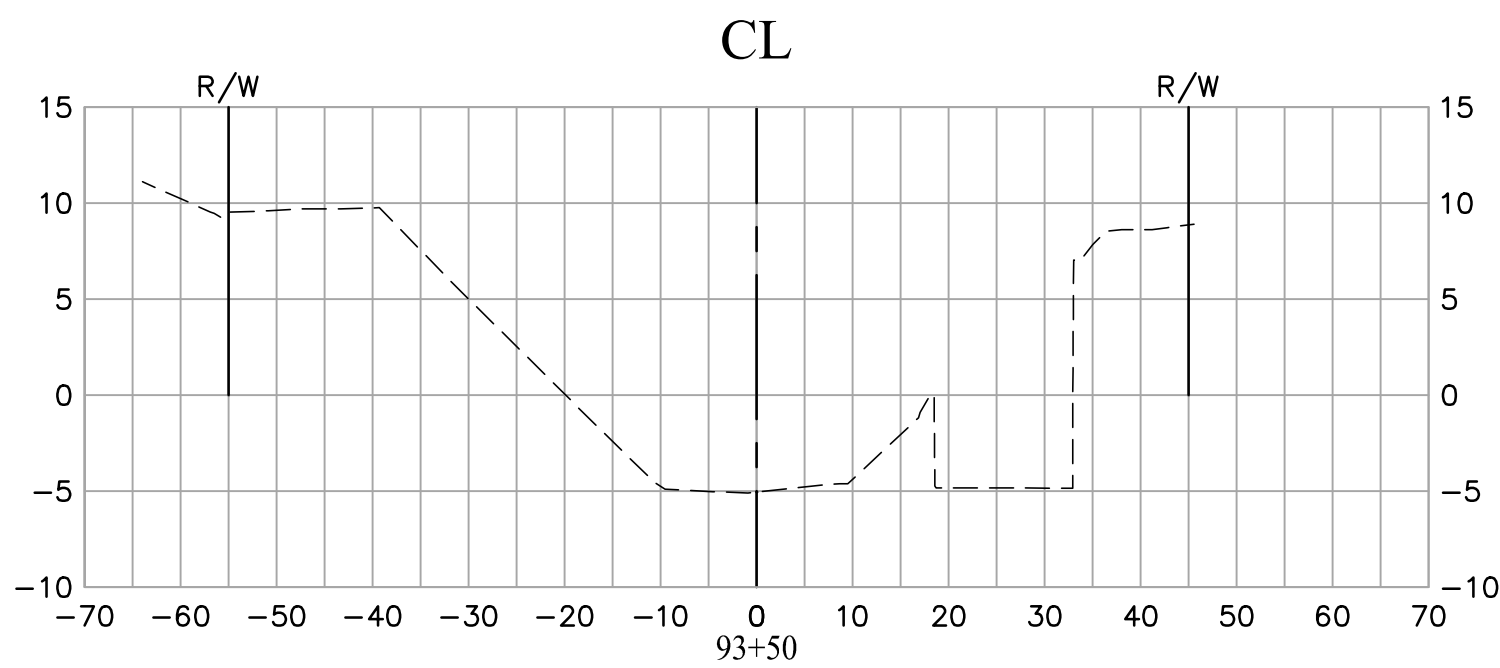
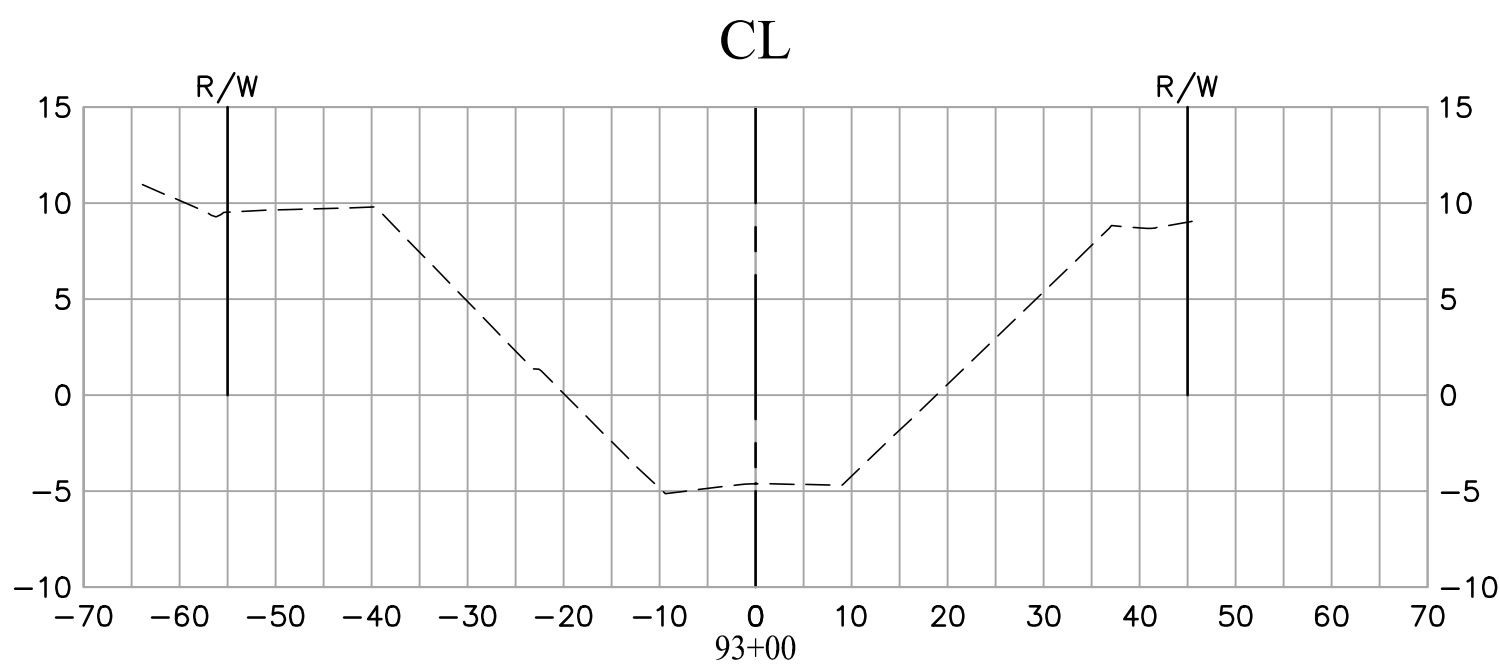
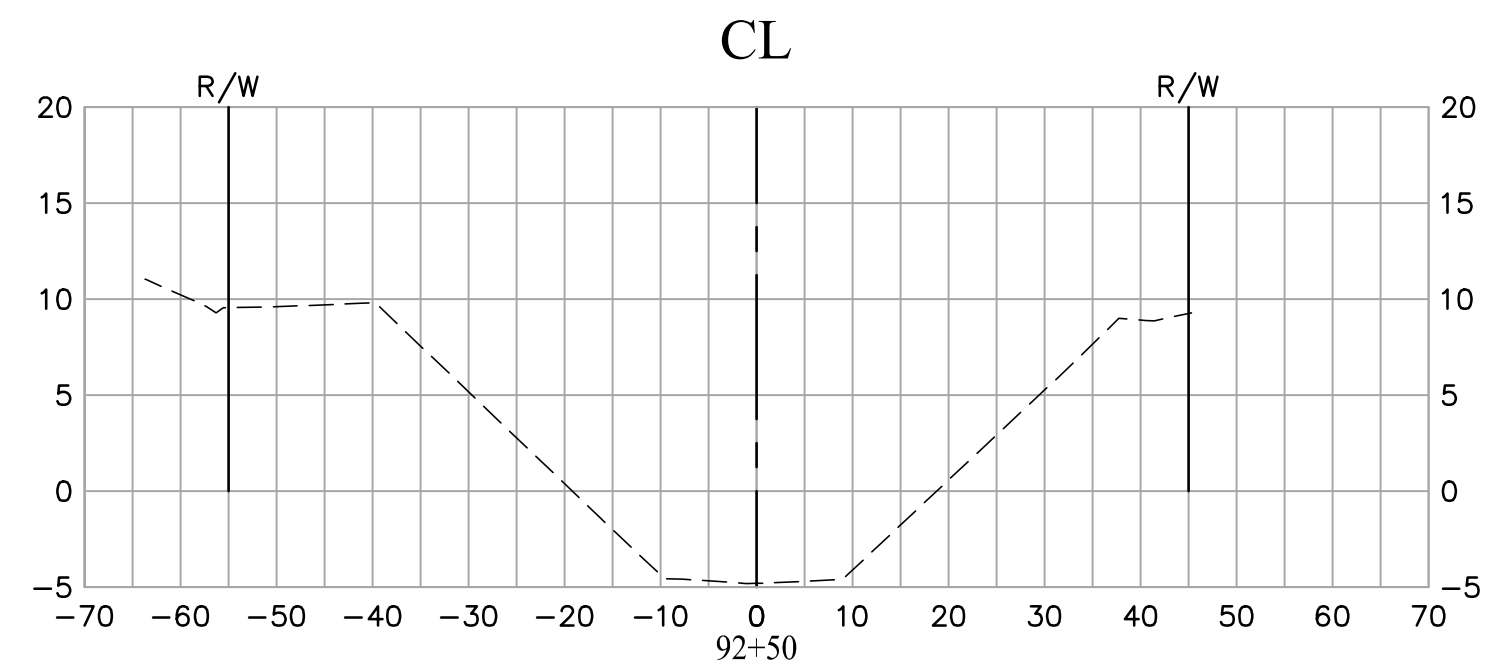
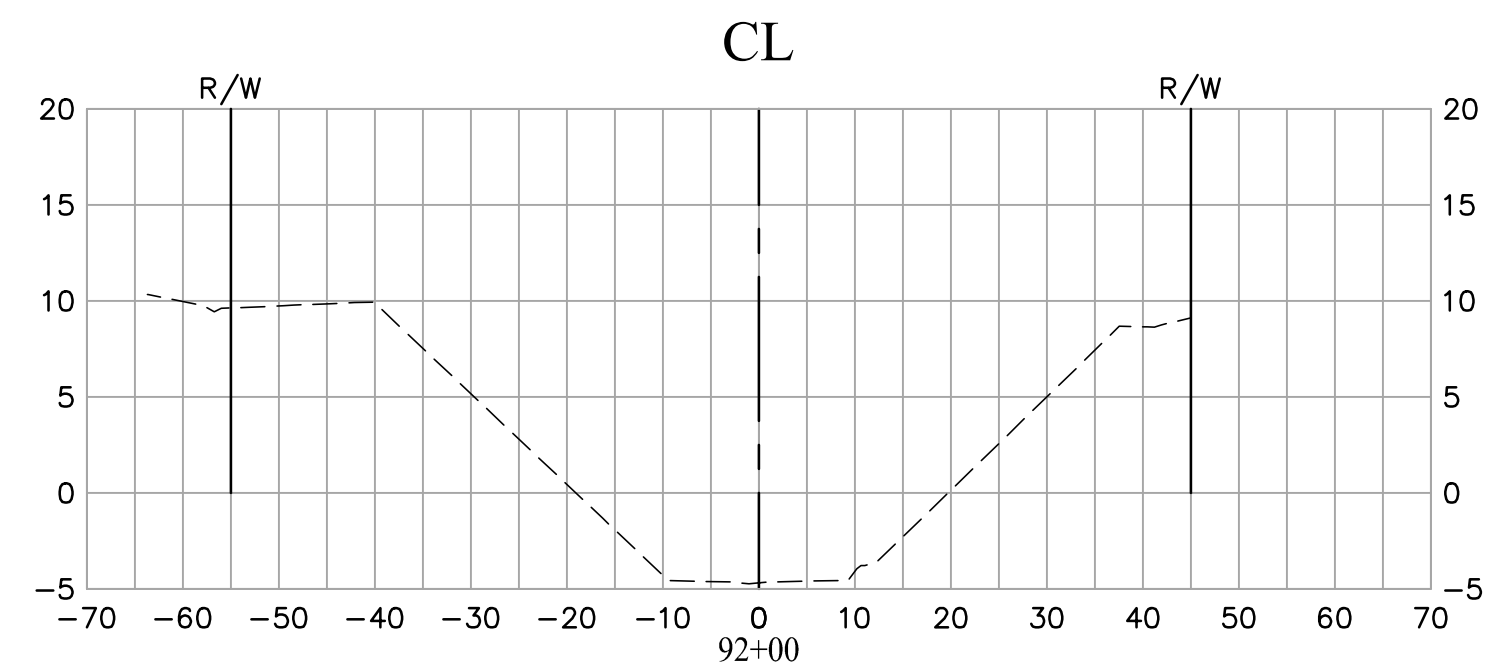
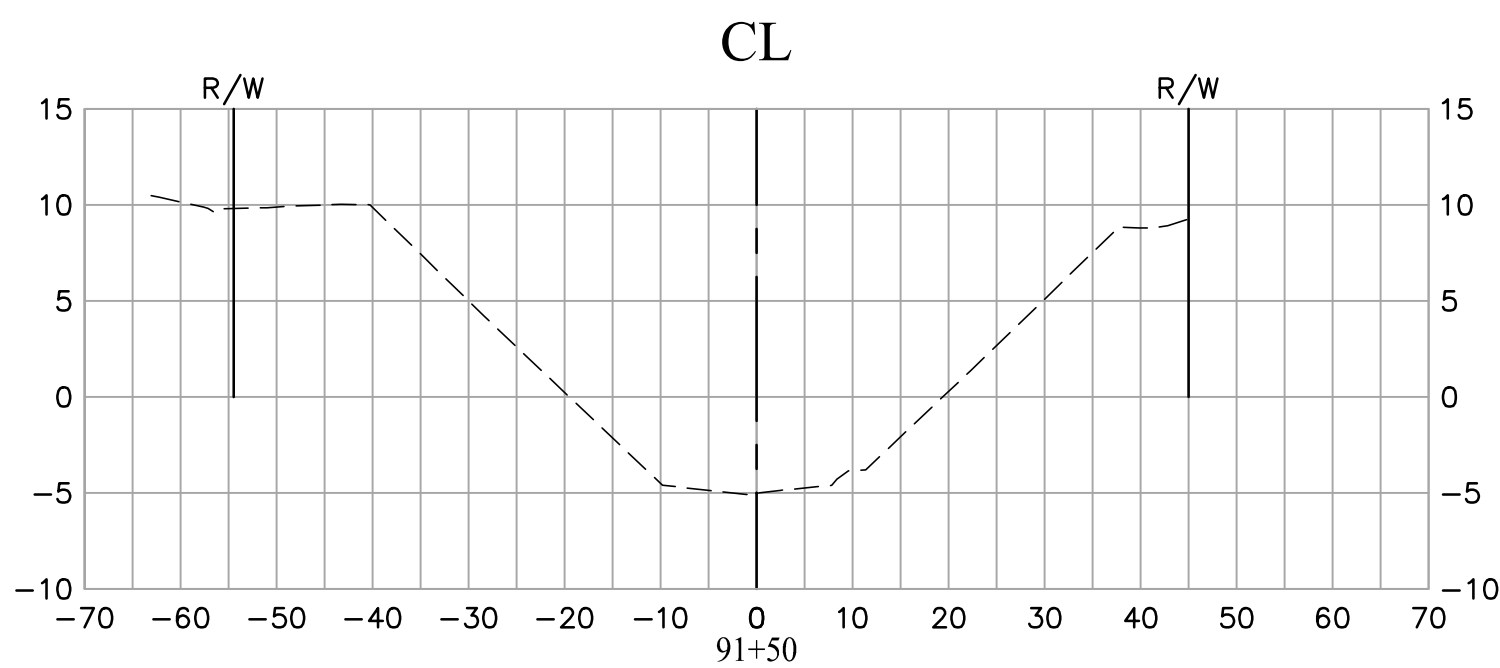
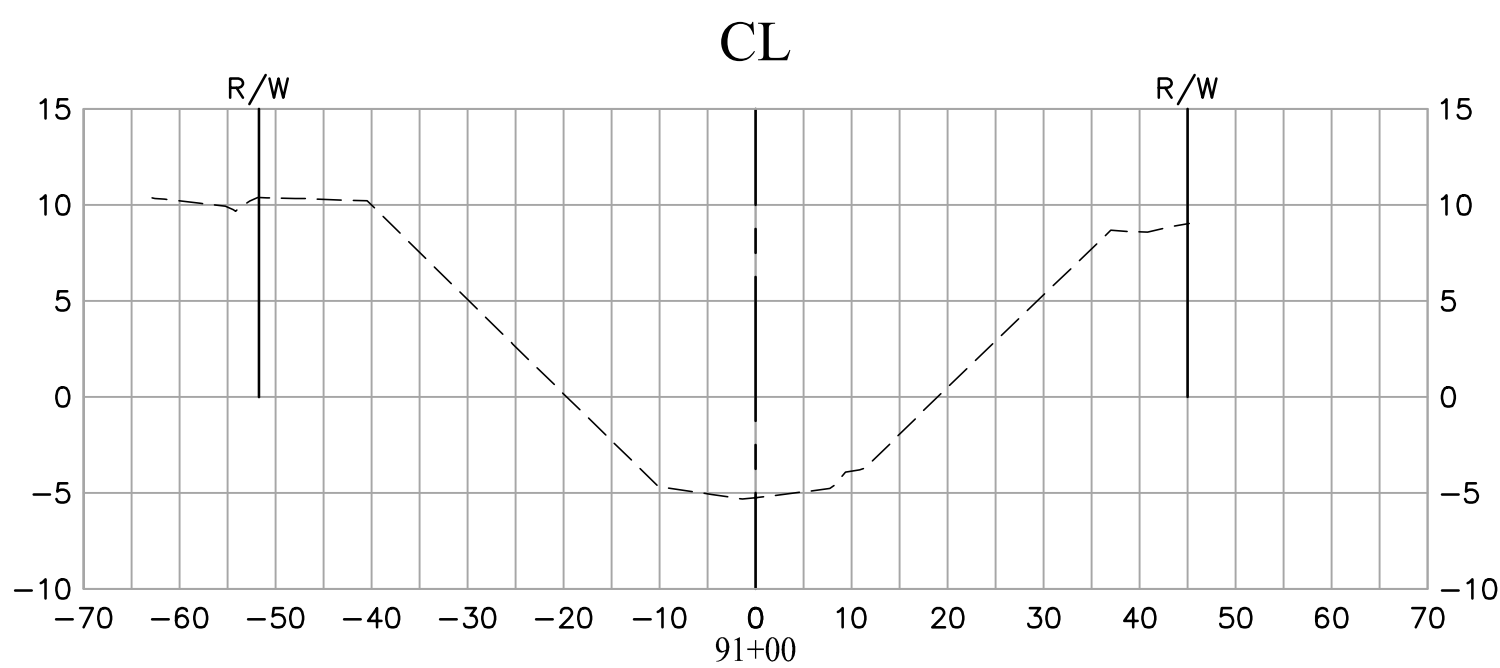
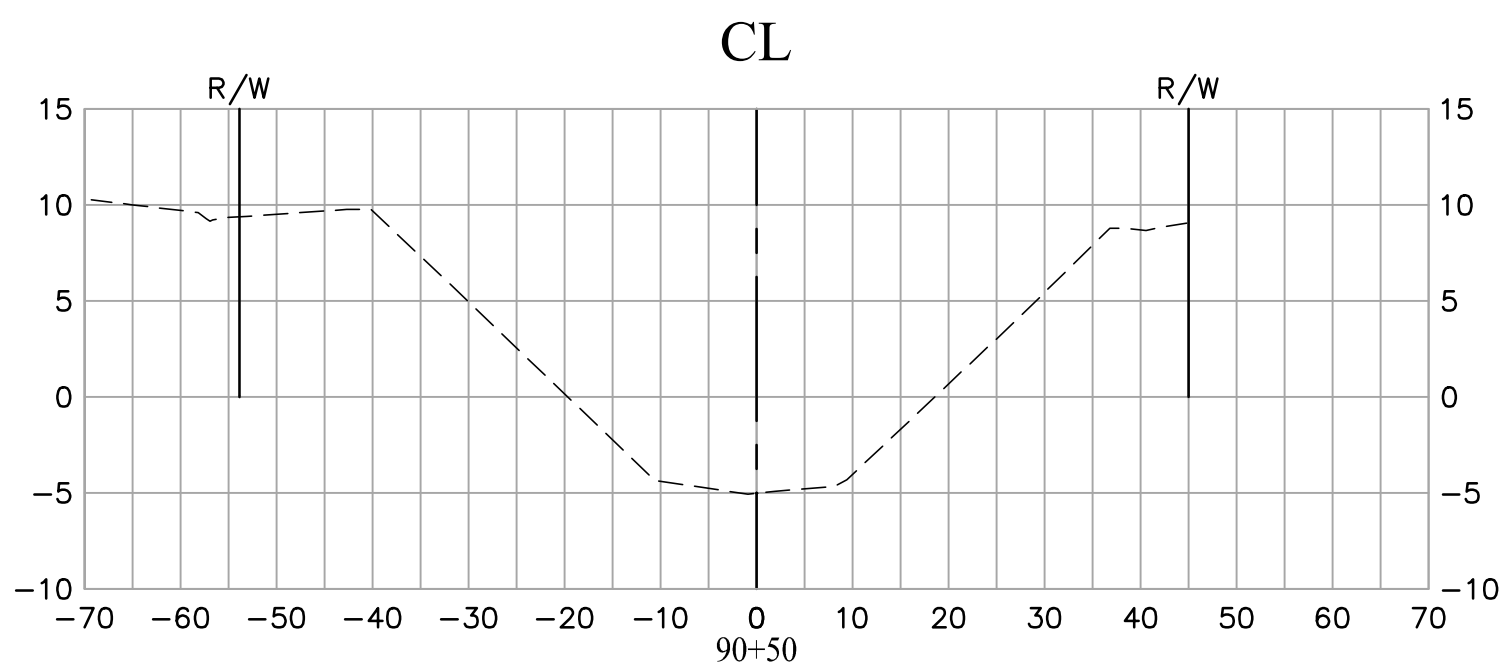
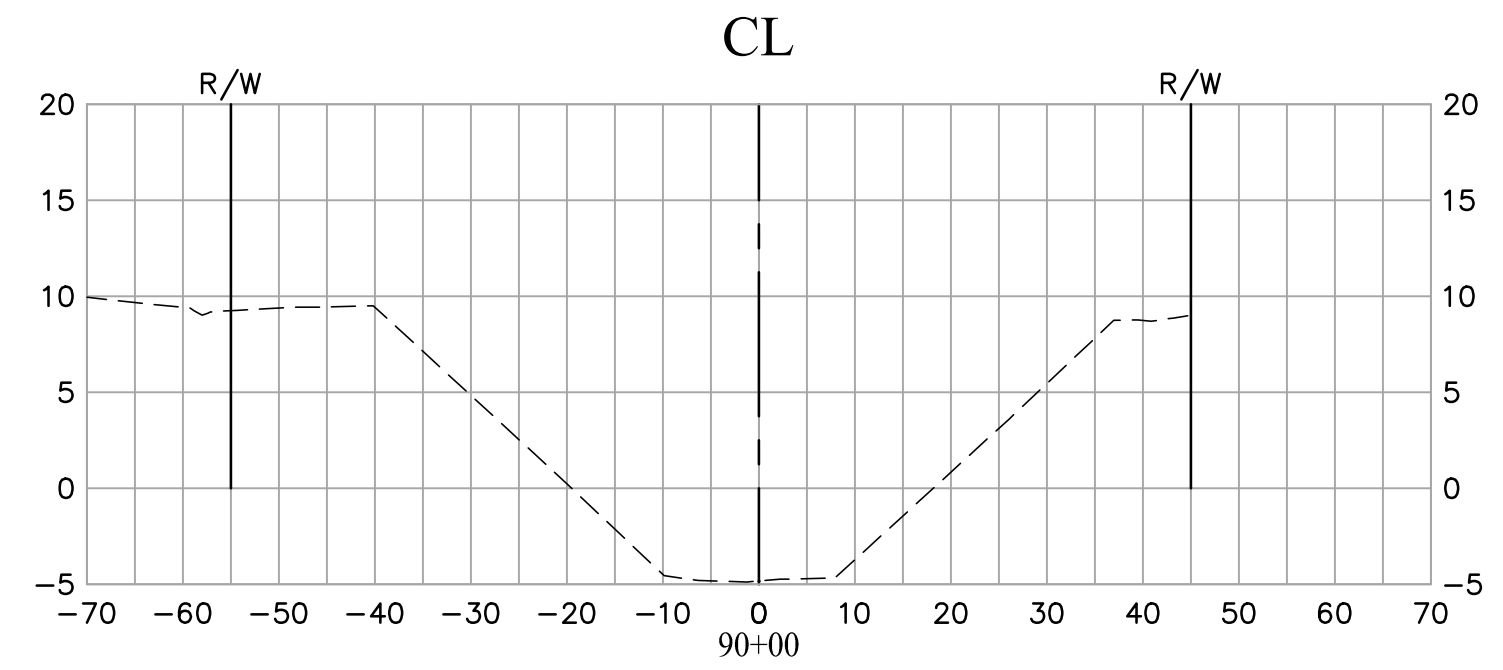
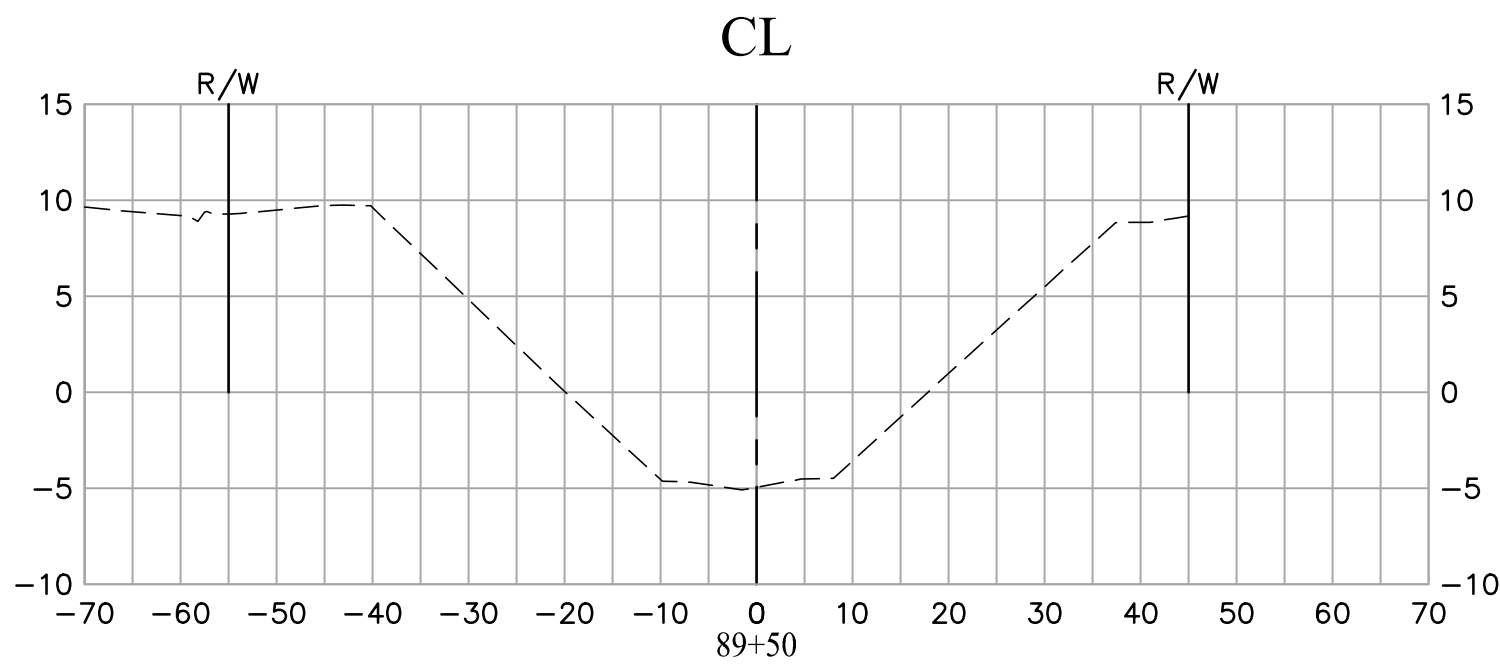
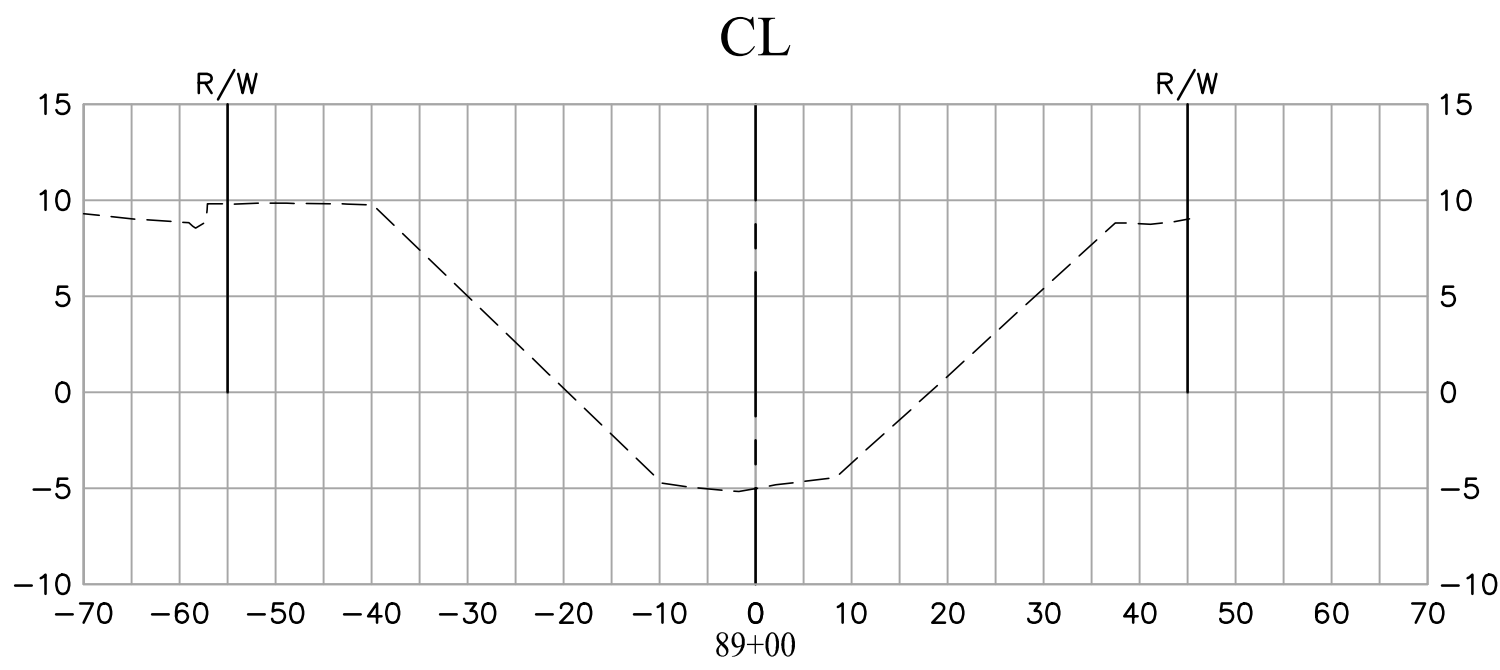
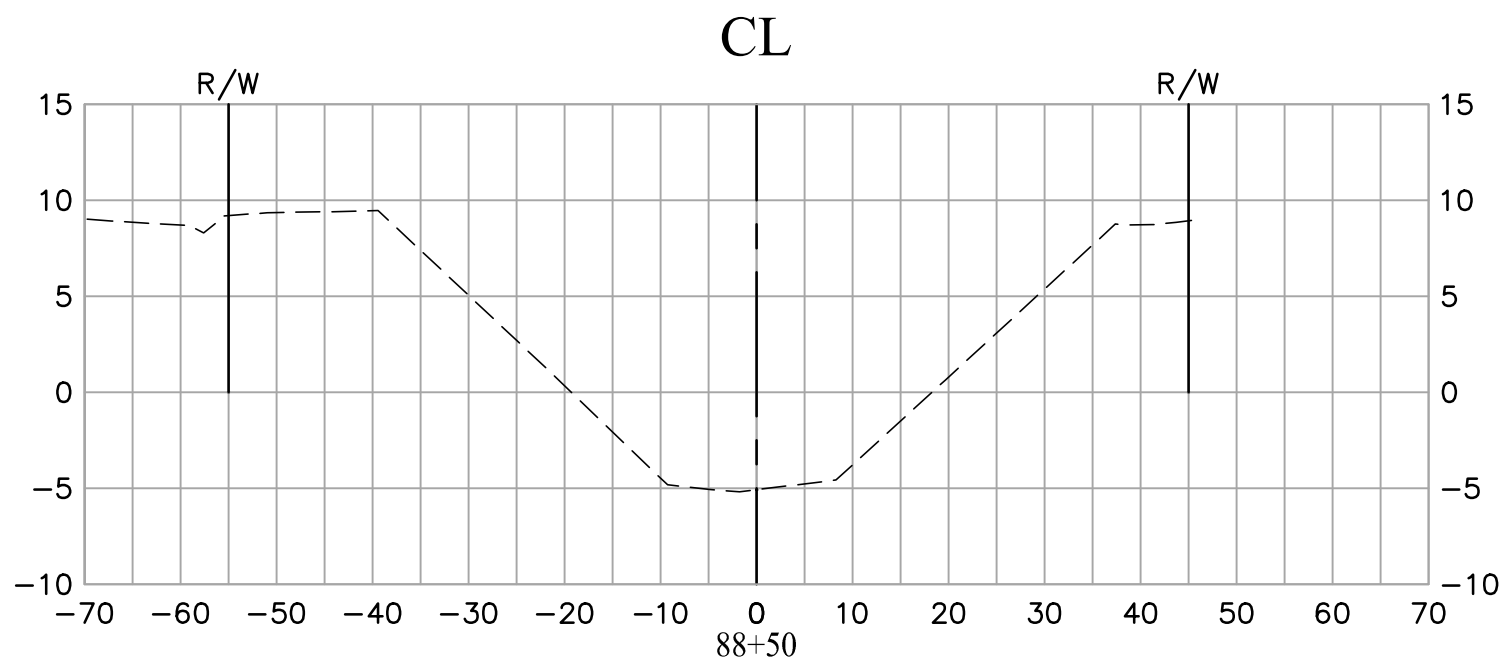
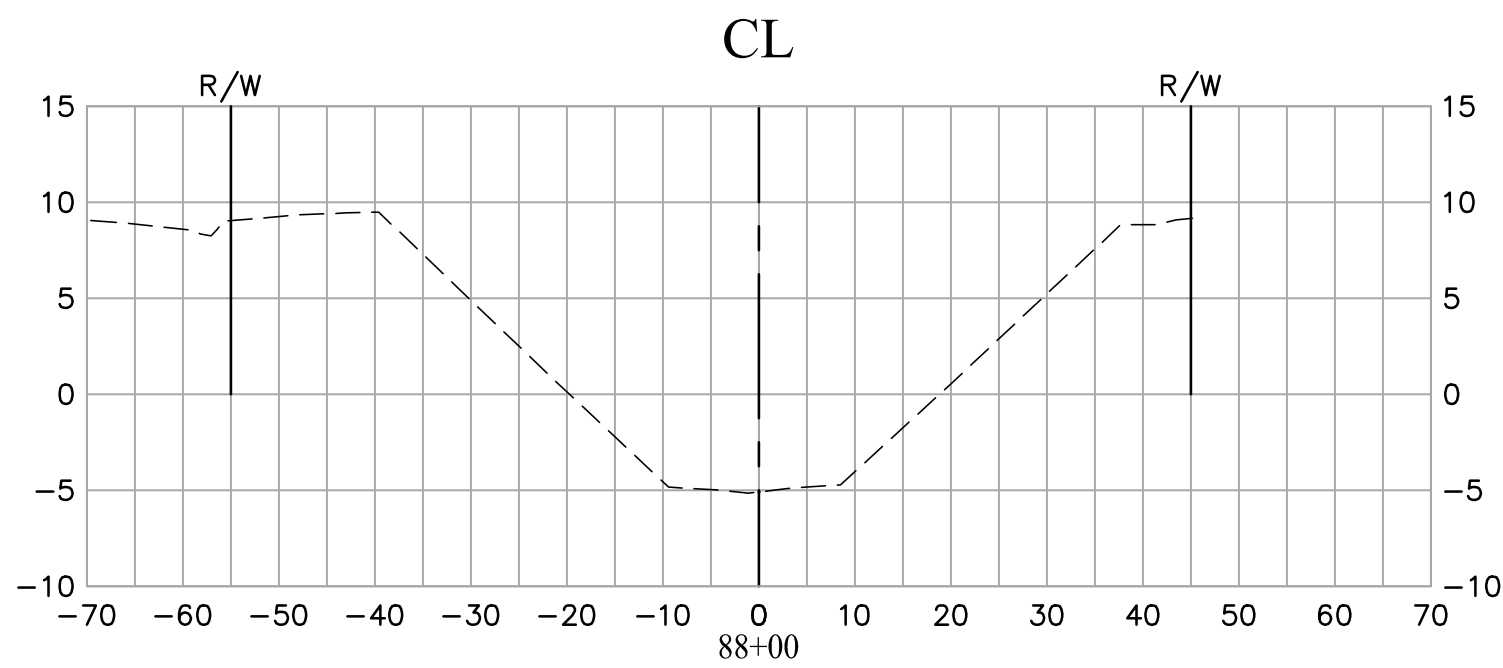
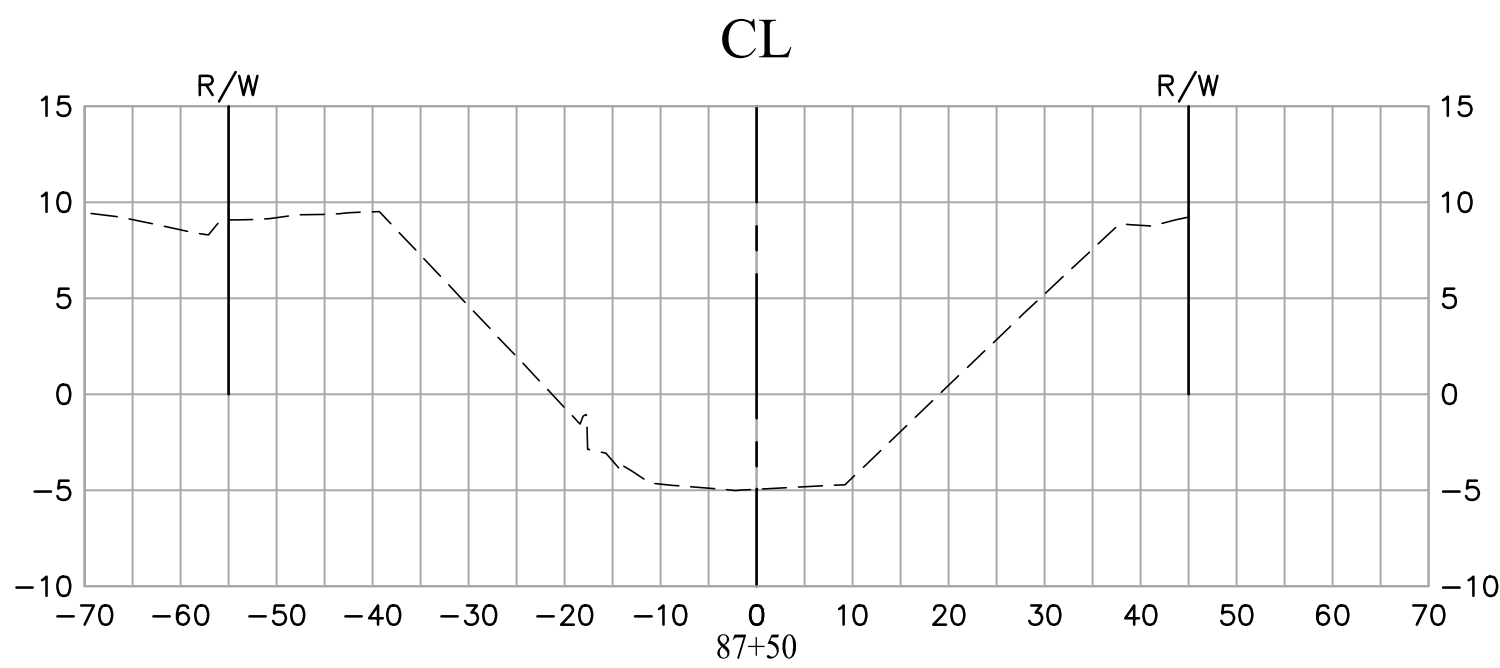
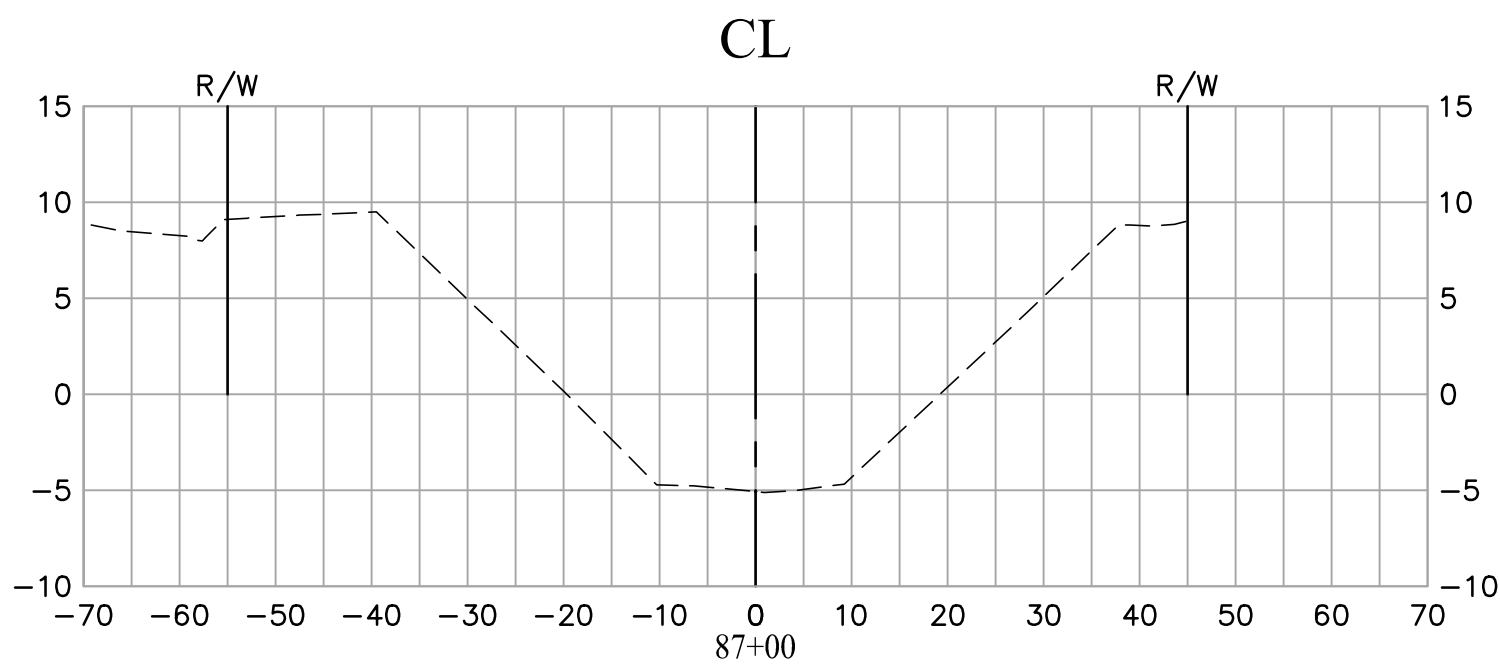
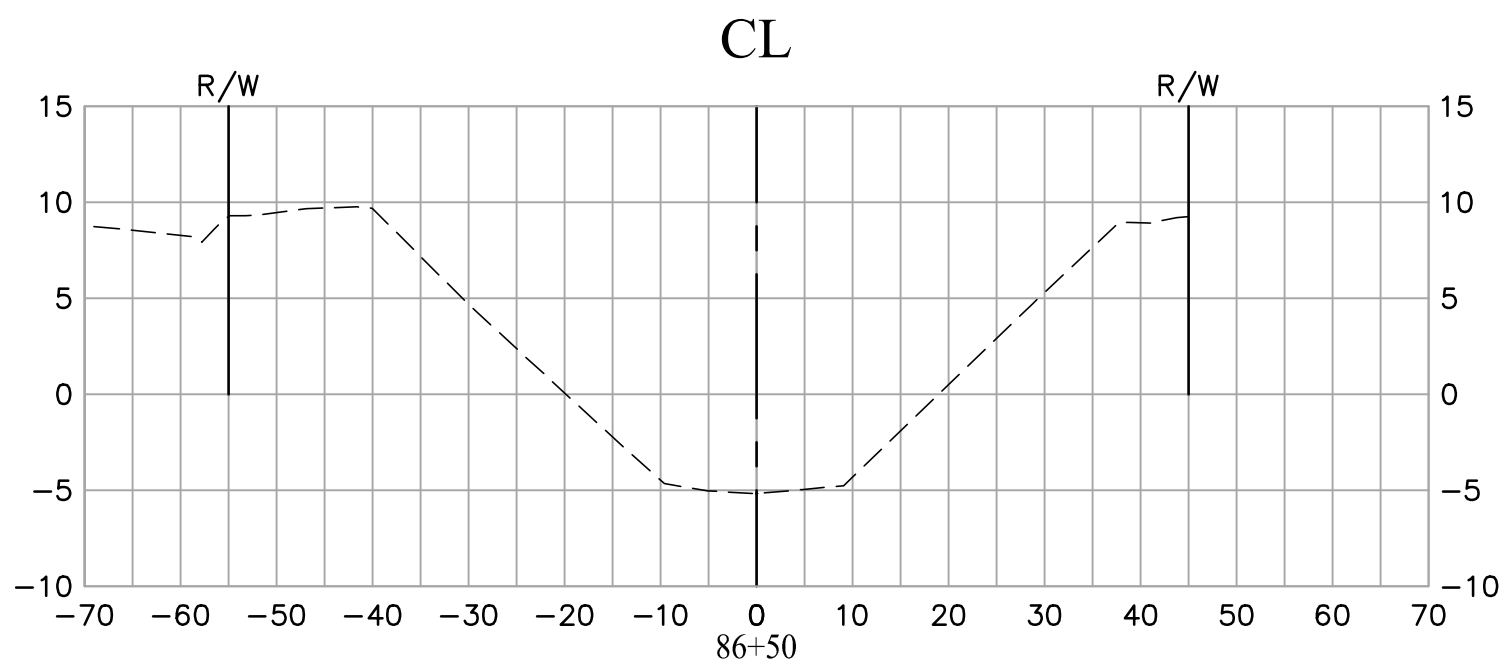
FILE #2021PW-PR0001

SHEET NO.

15

of

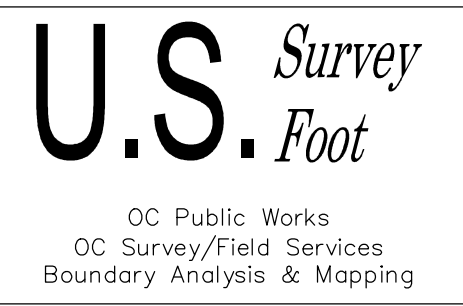
19



LEGEND

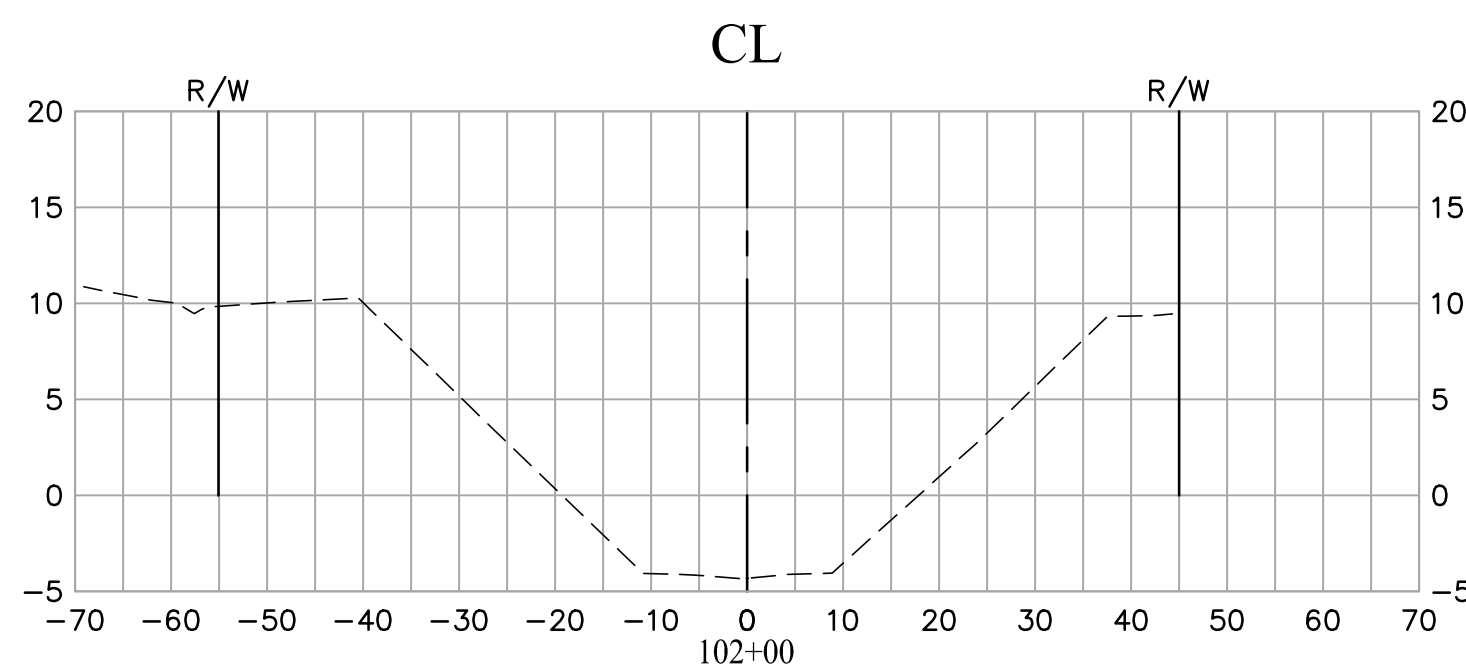
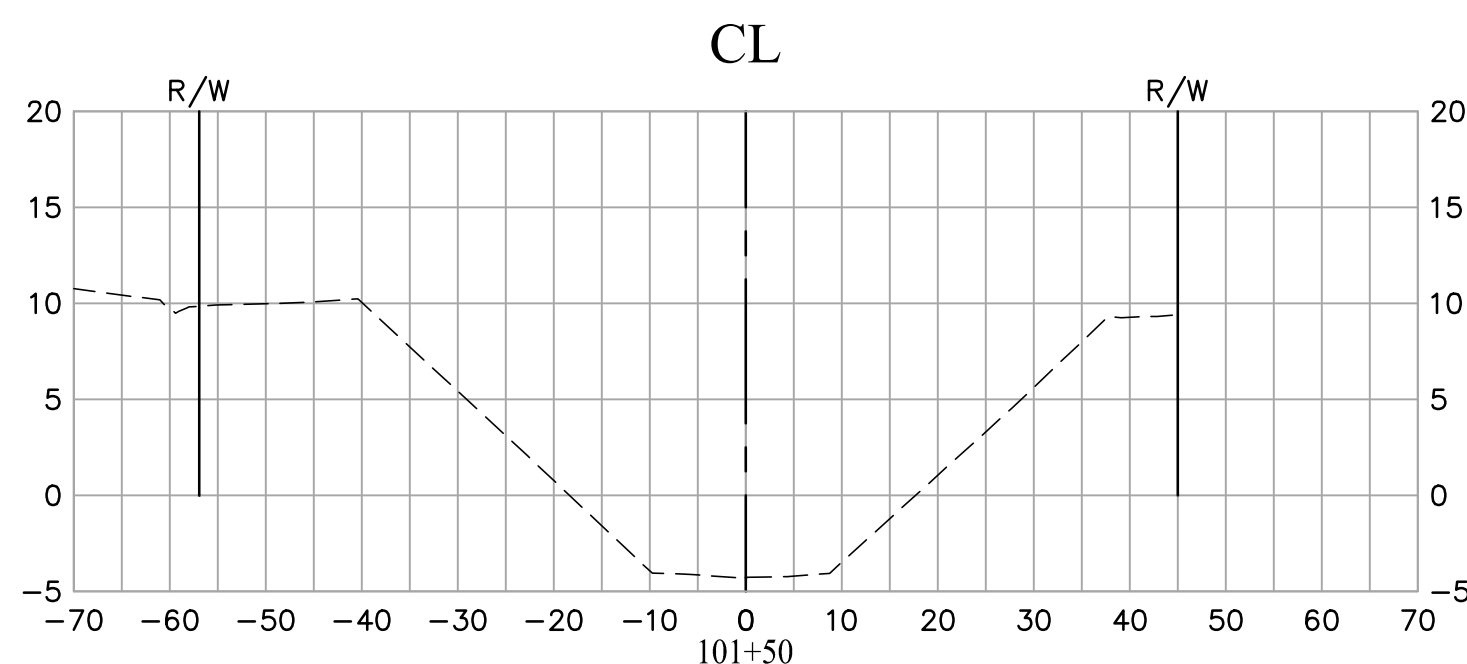
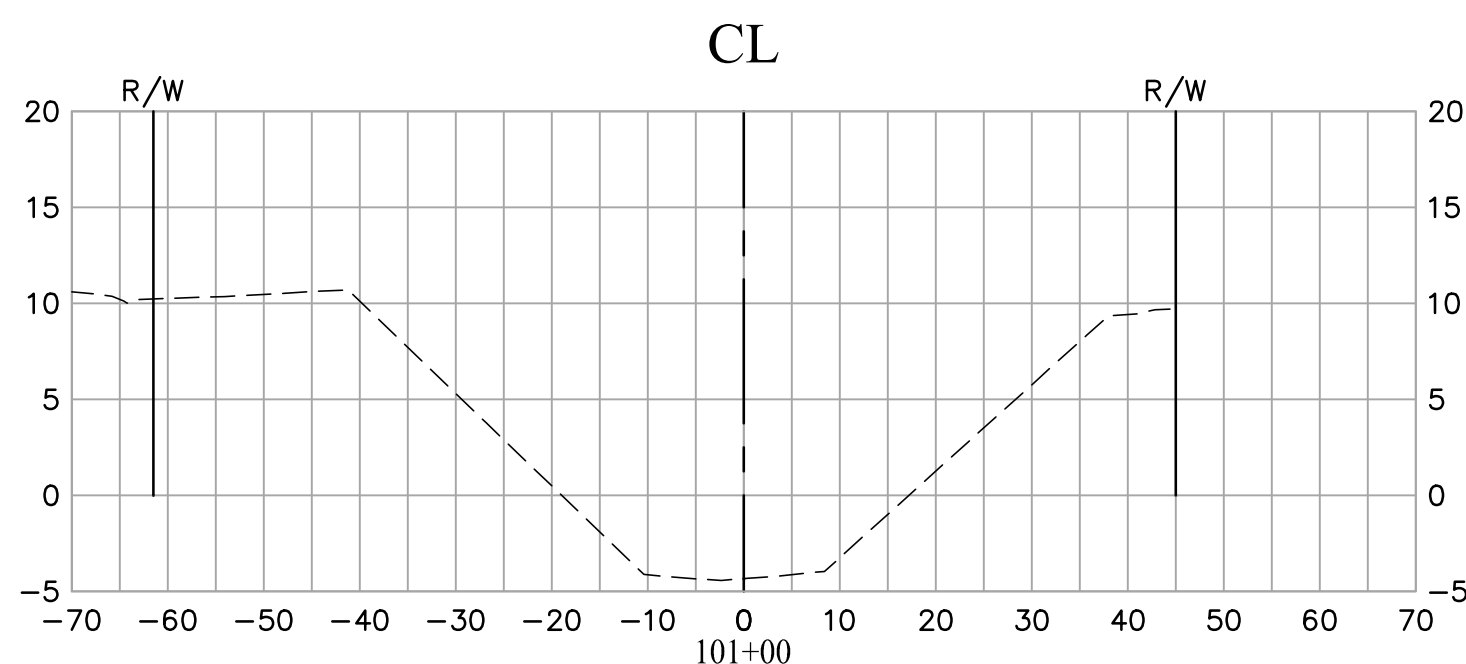
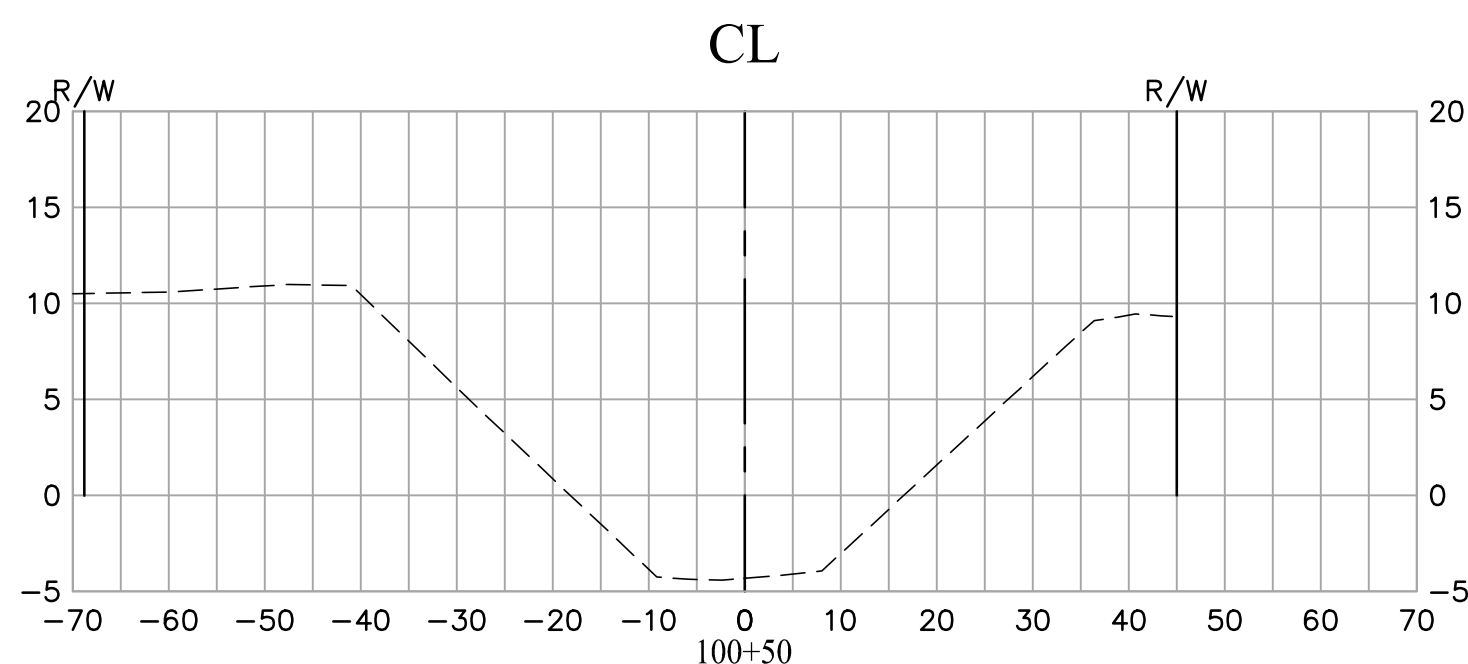
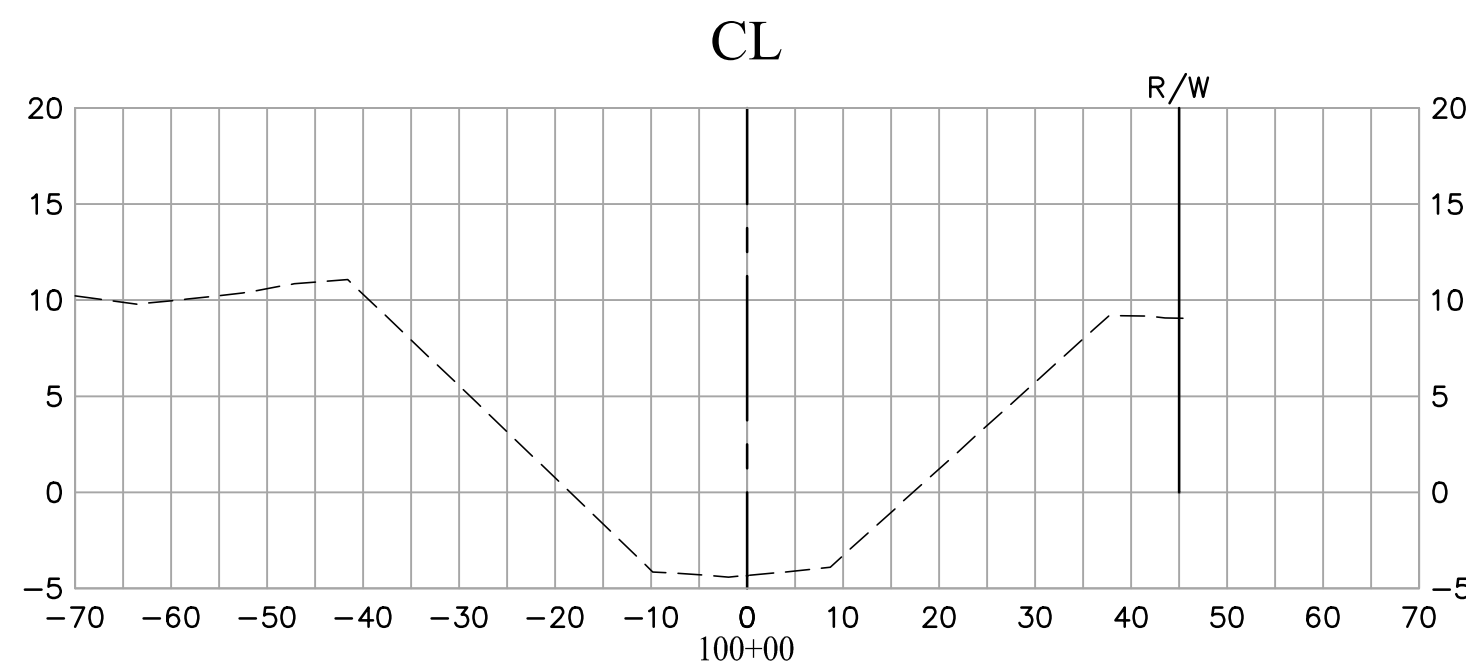
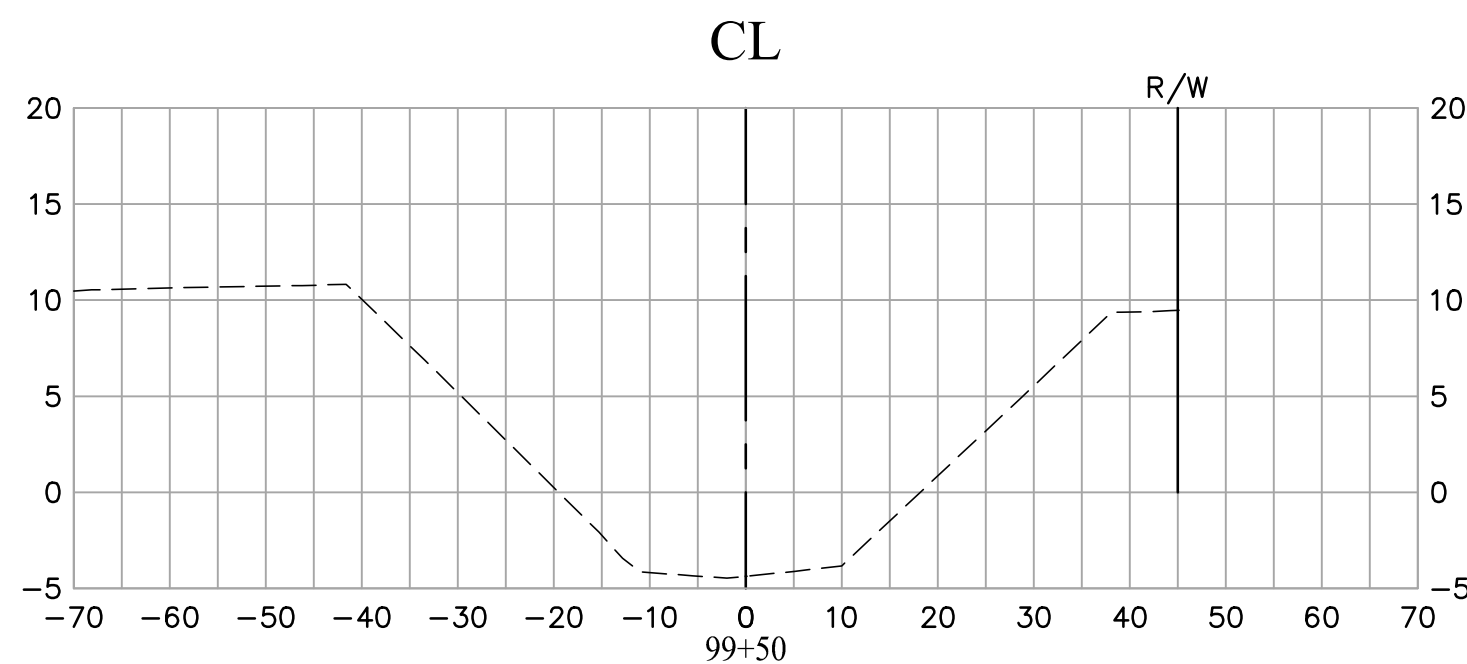
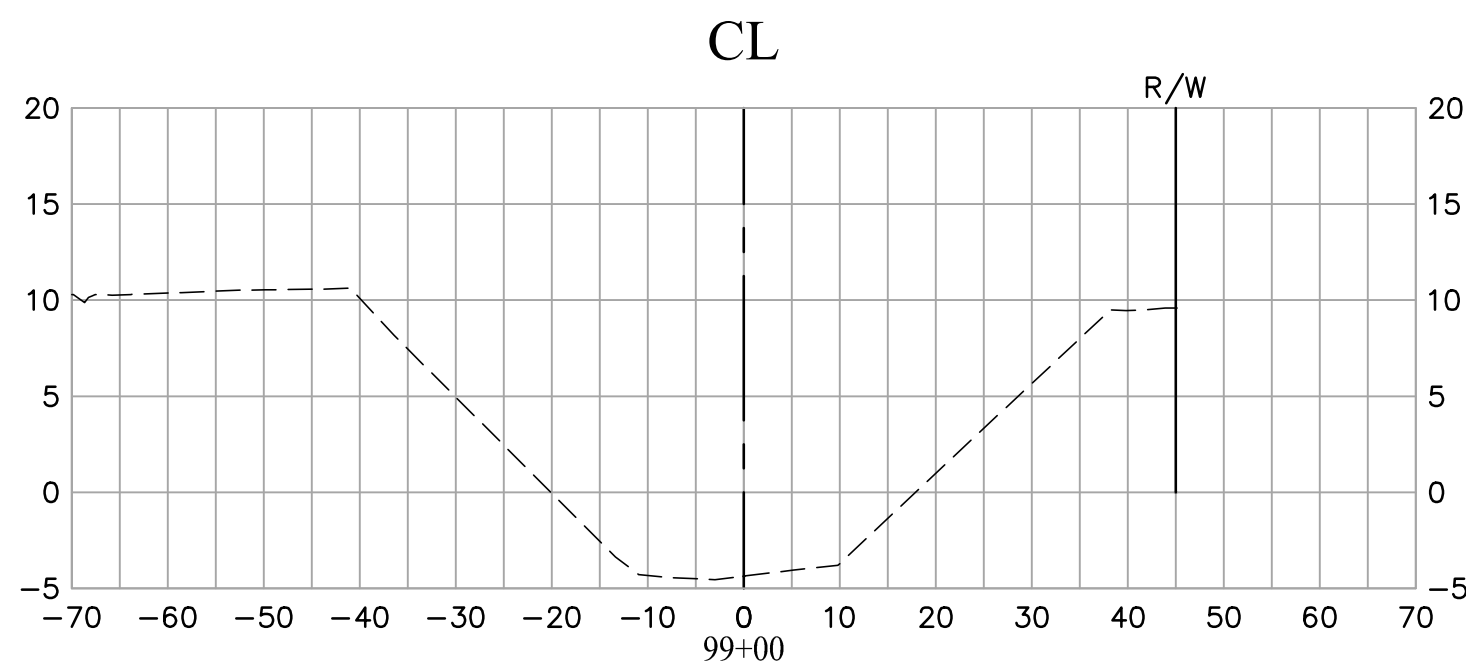
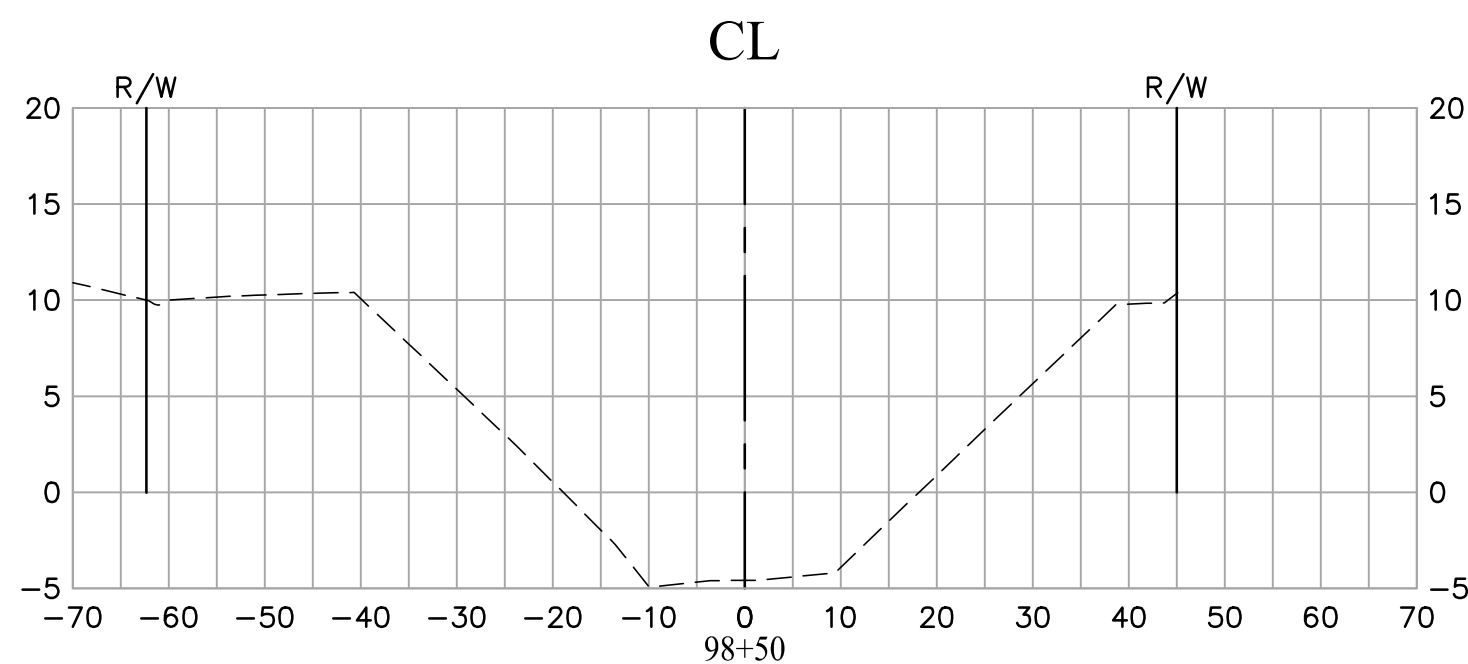
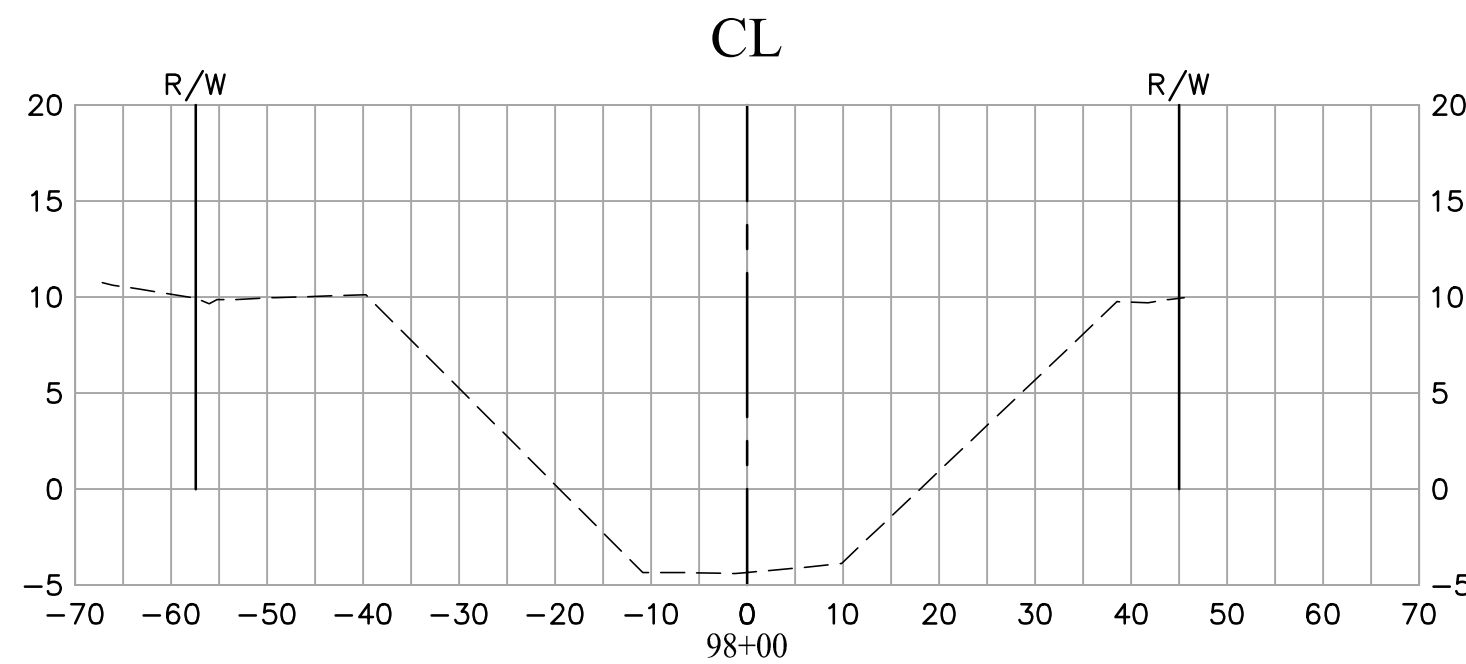
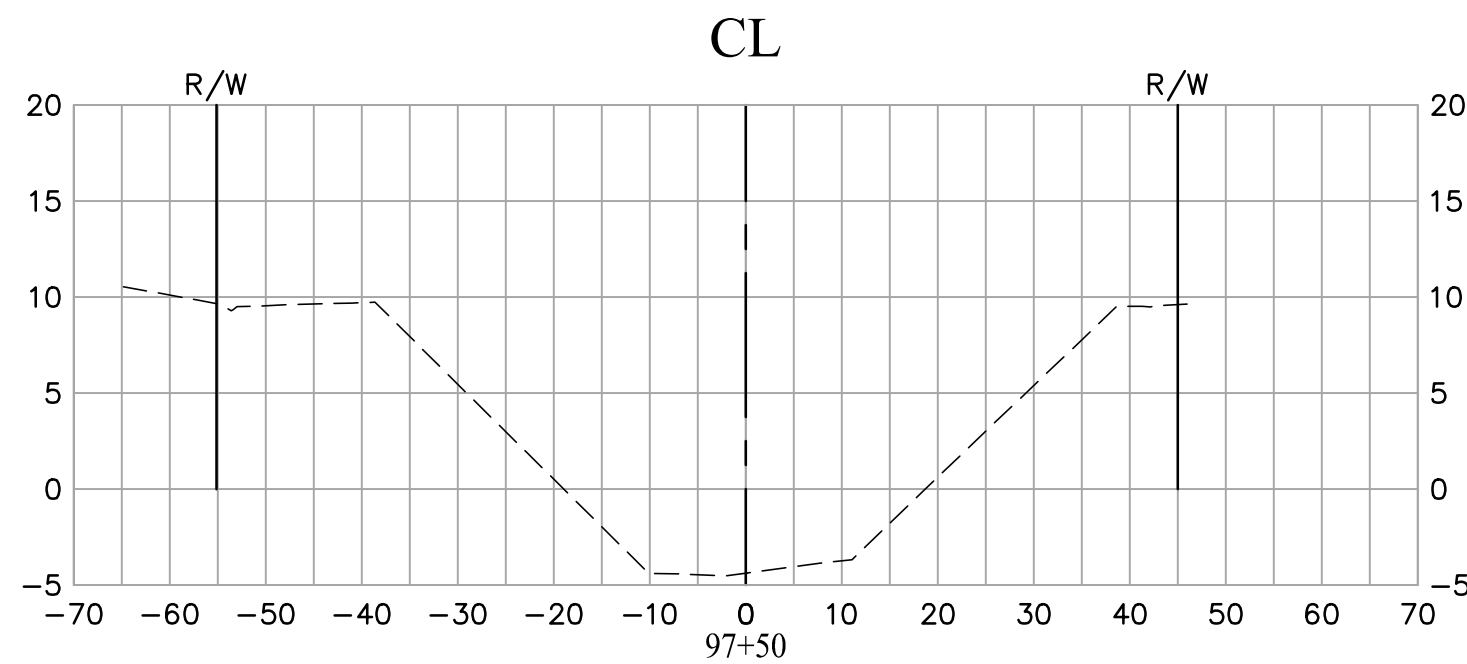
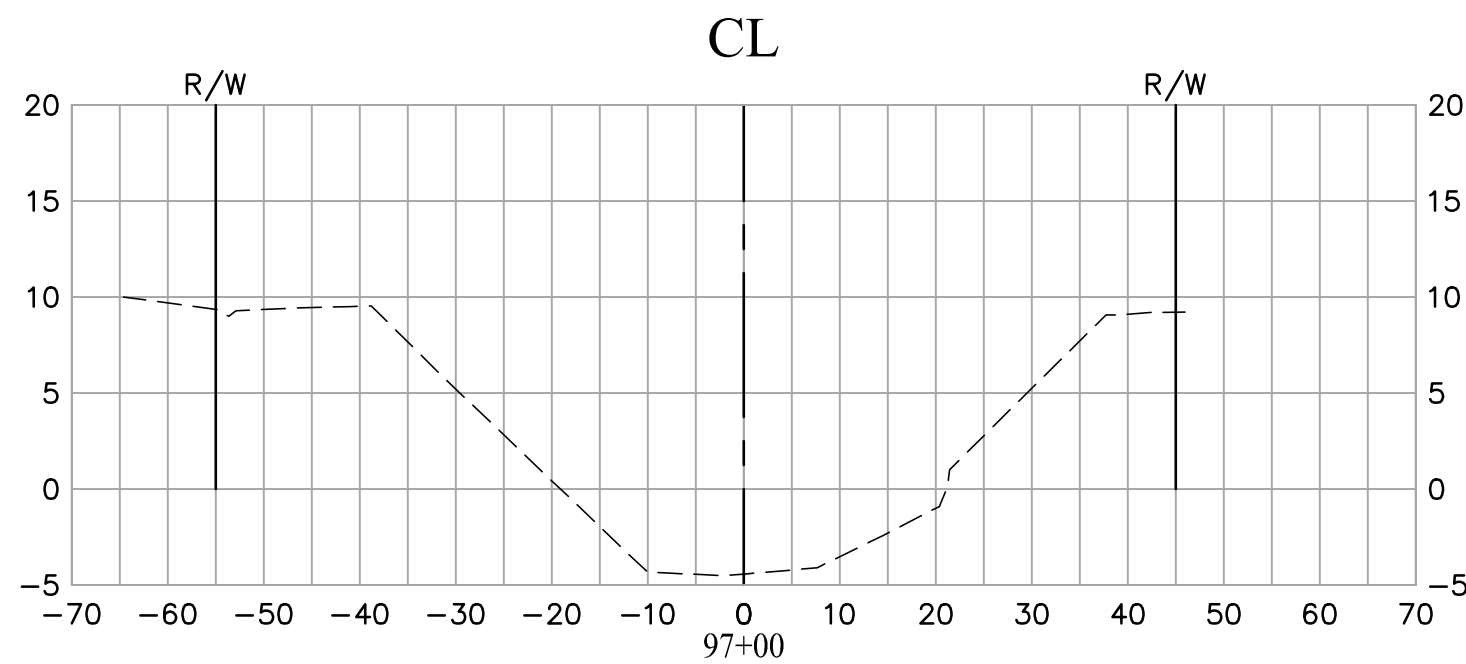
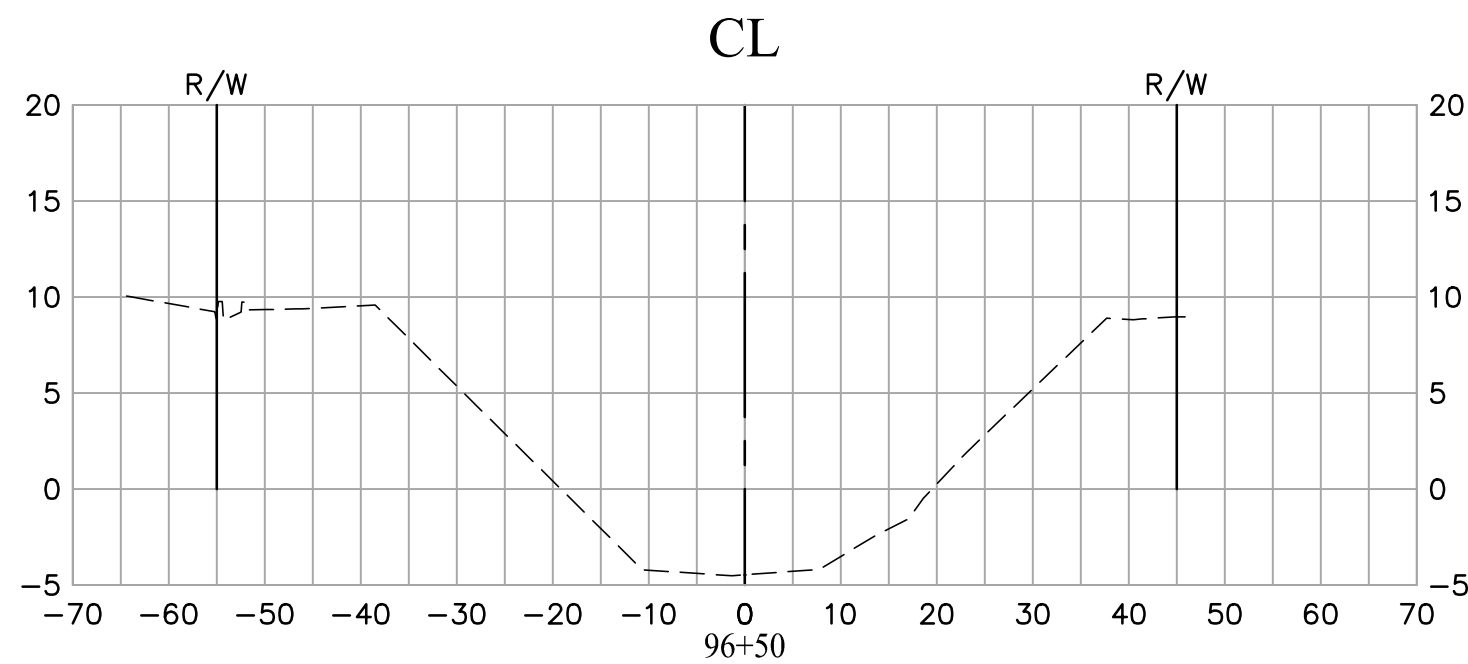
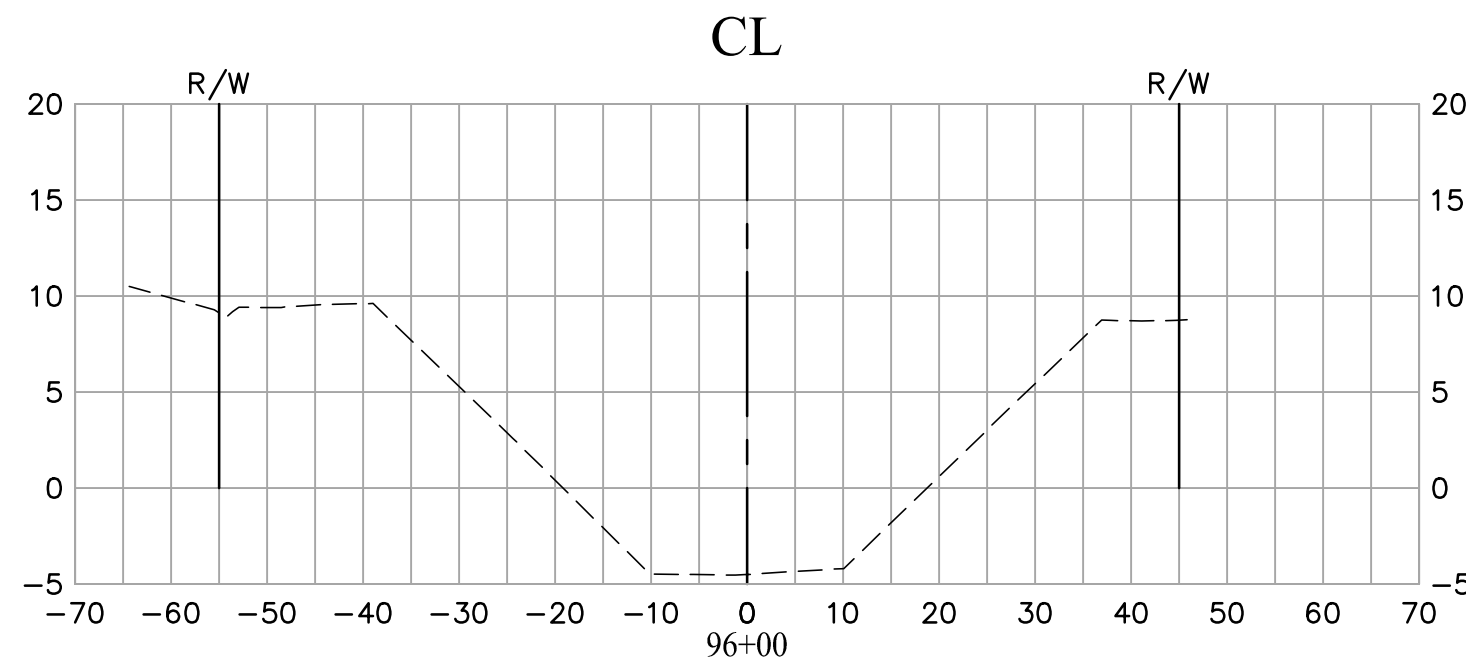
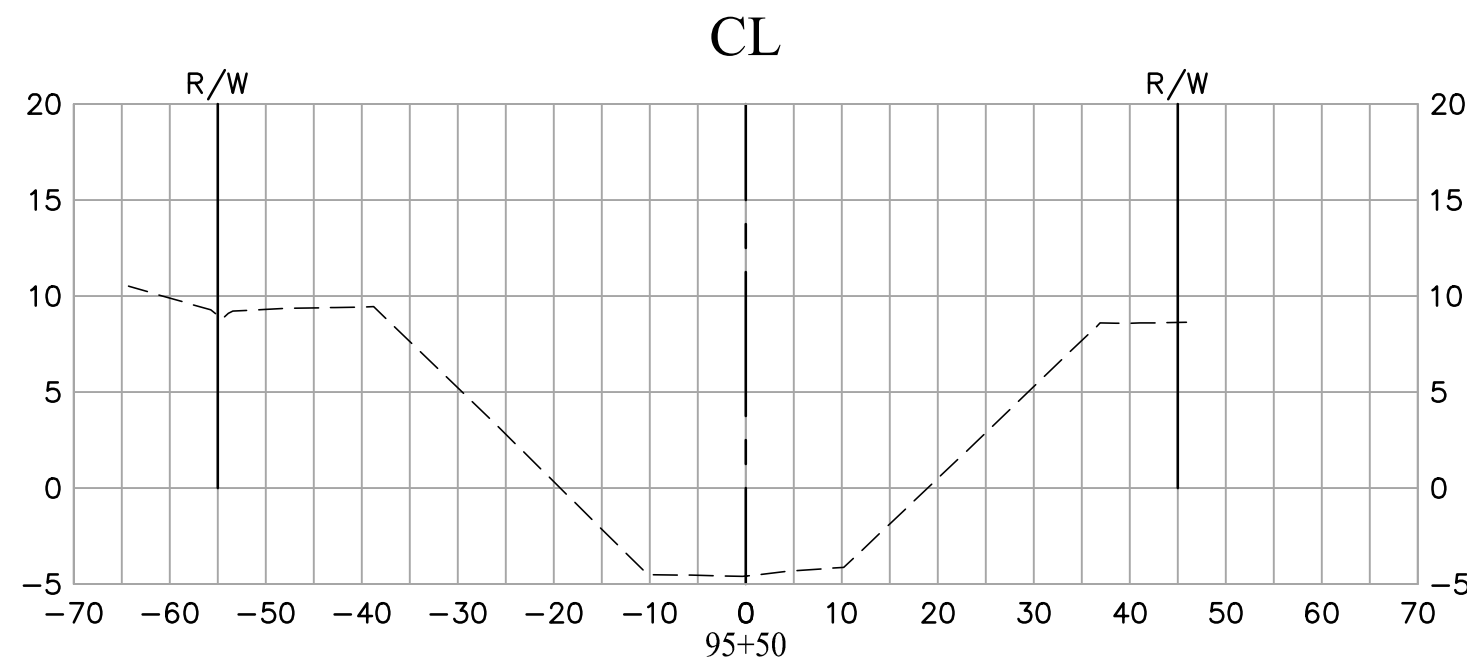
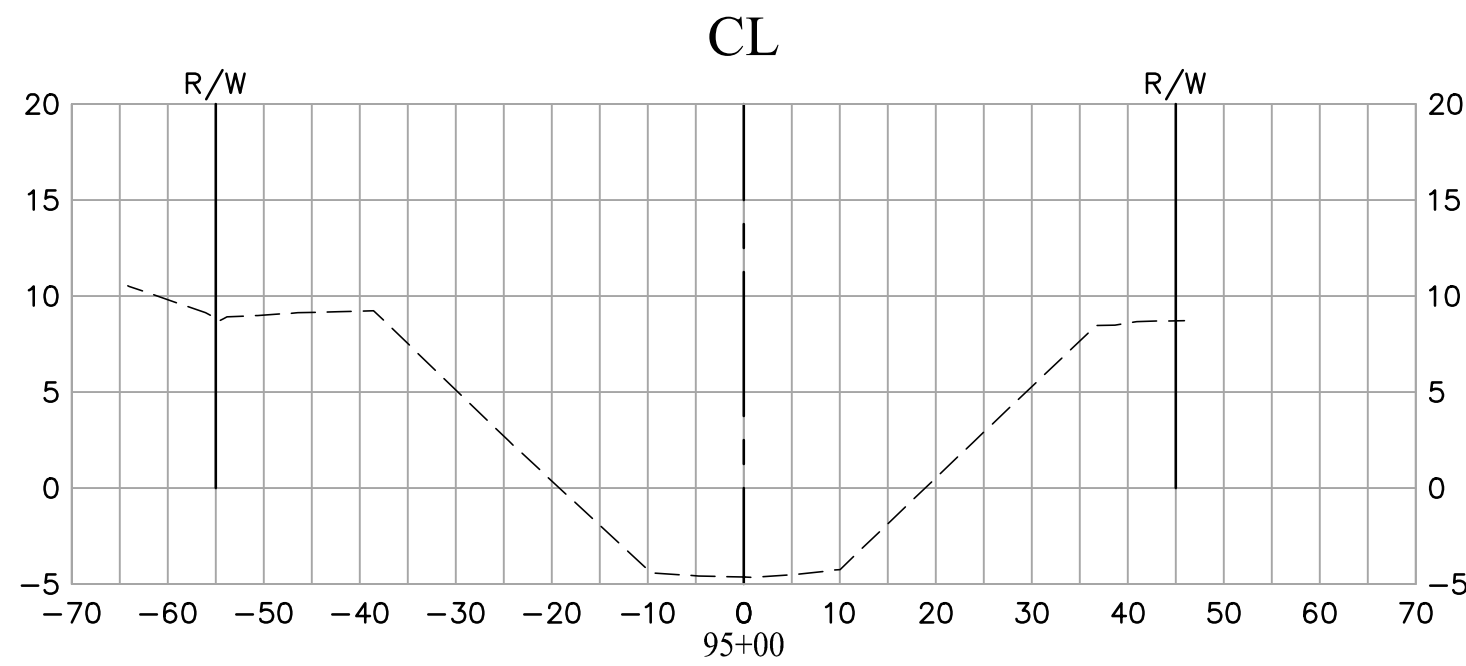
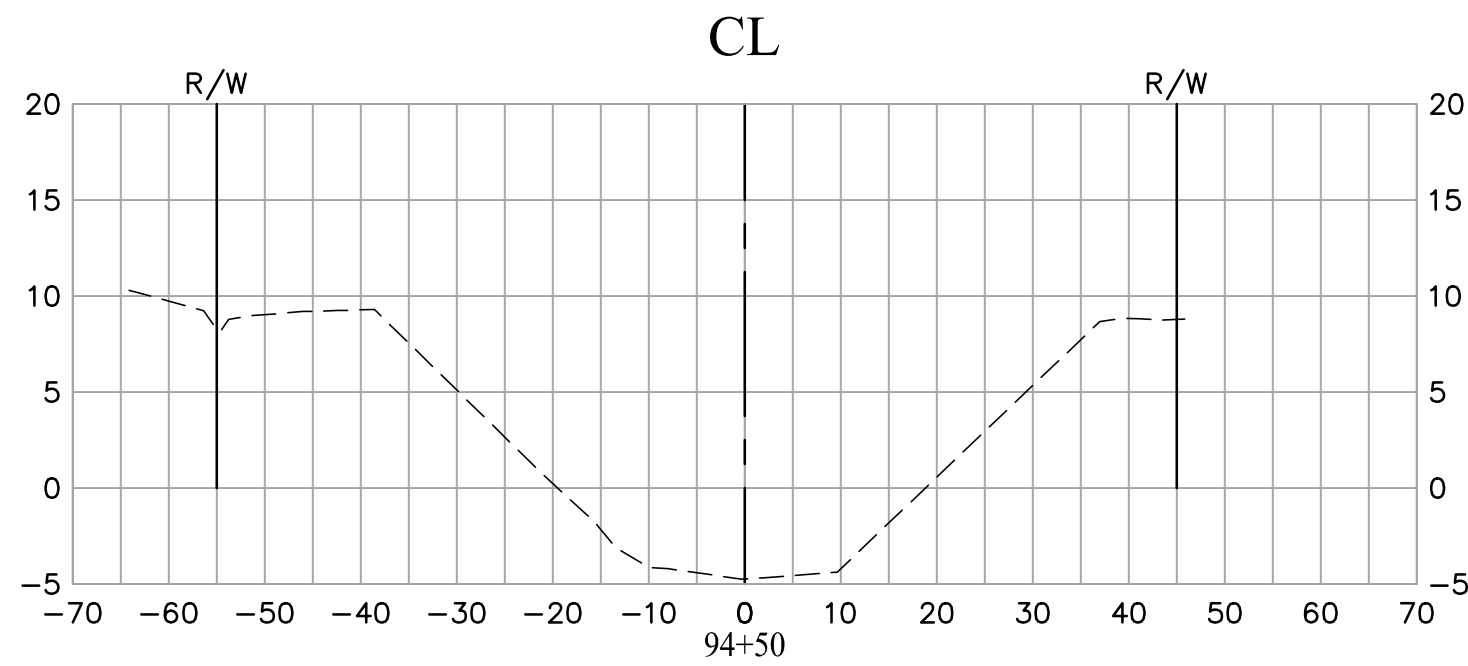
----- Existing Surface

VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



NOTES
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				COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS			
		SECTIONS			
		PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)			
		DATE OF SURVEY: 12/24/2020		BY: J. JOHNS	
		MAPPING		BY: A. VU	
		OFFICE CHECK		BY: J. MORENO, PLS	
		FIELD CHECK		BY: J. JOHNS	
MARK	DATE	ITEM		SHEET NO. 16 of 19	
		REVISIONS		SCALE: AS SHOWN W.O. #EF20403P FILE #2021PW-PR0001 FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	

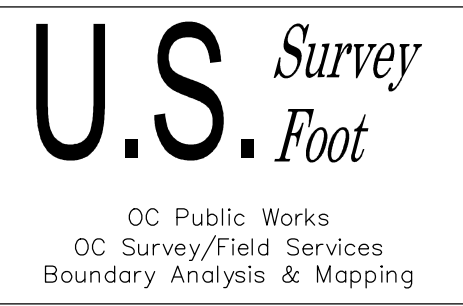


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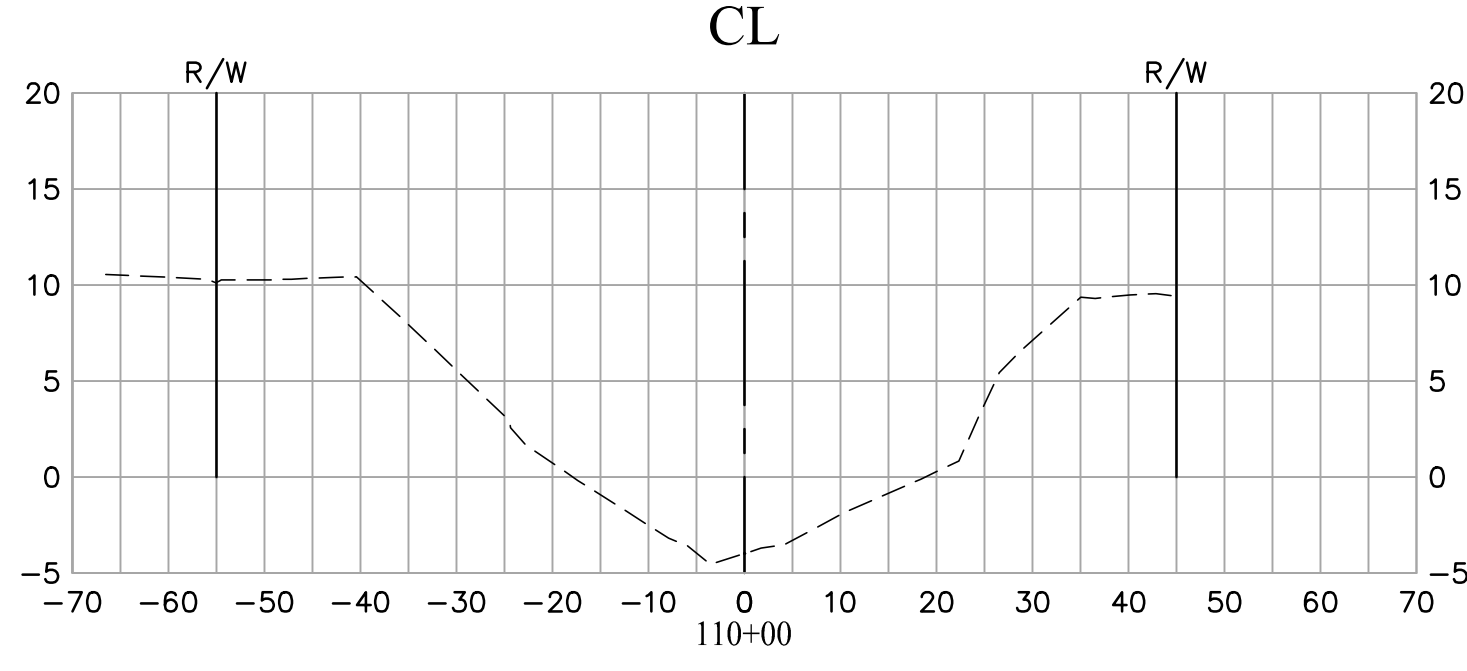
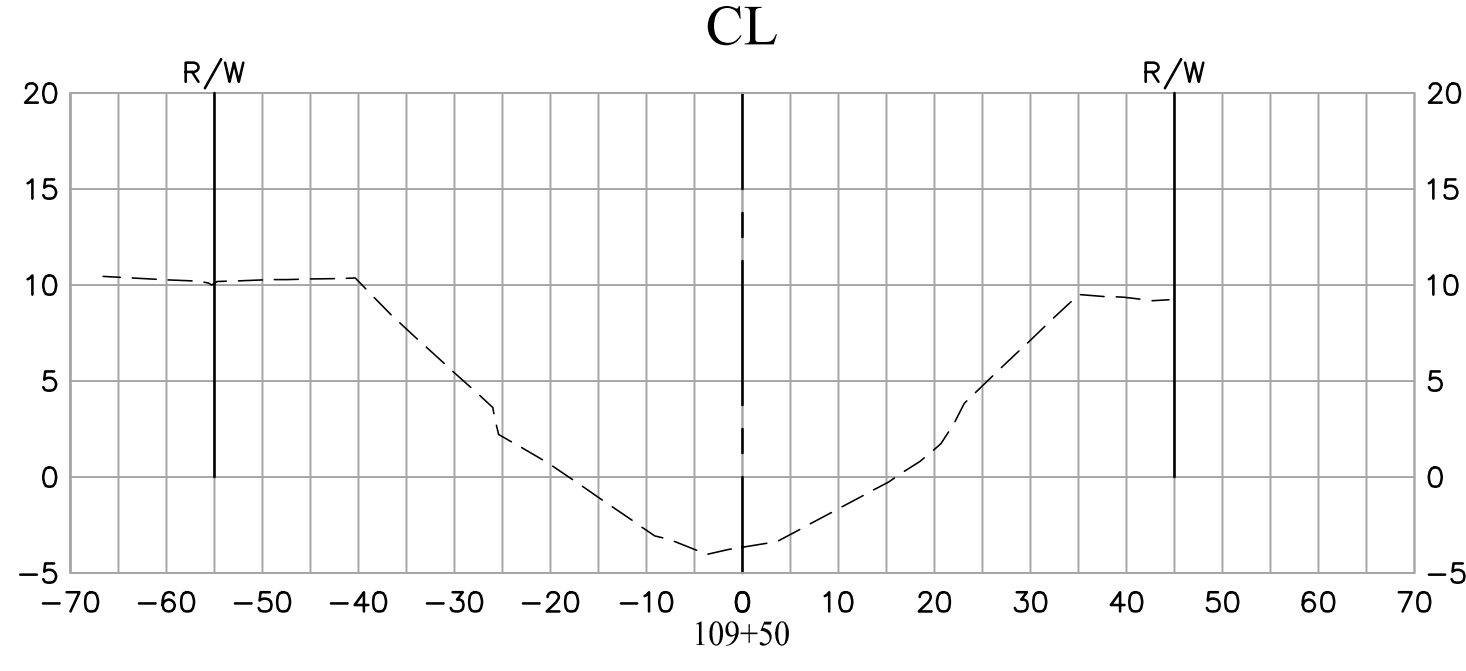
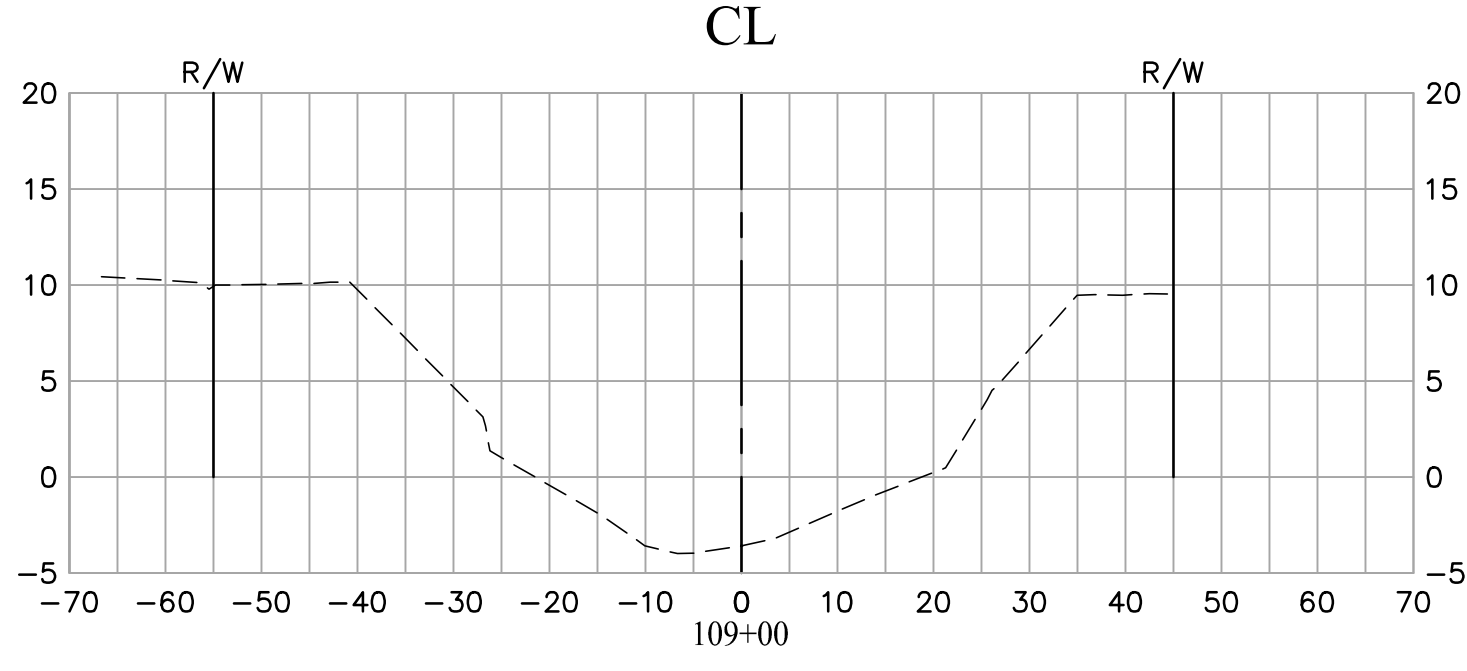
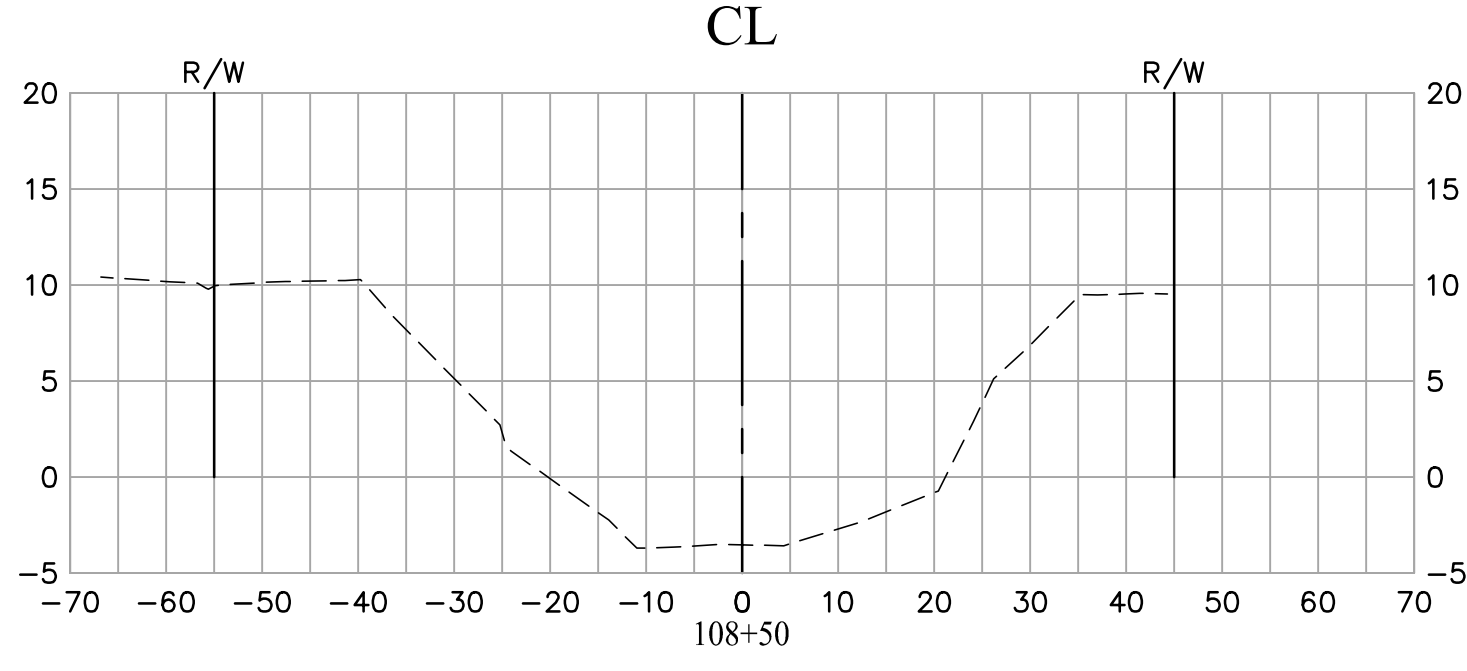
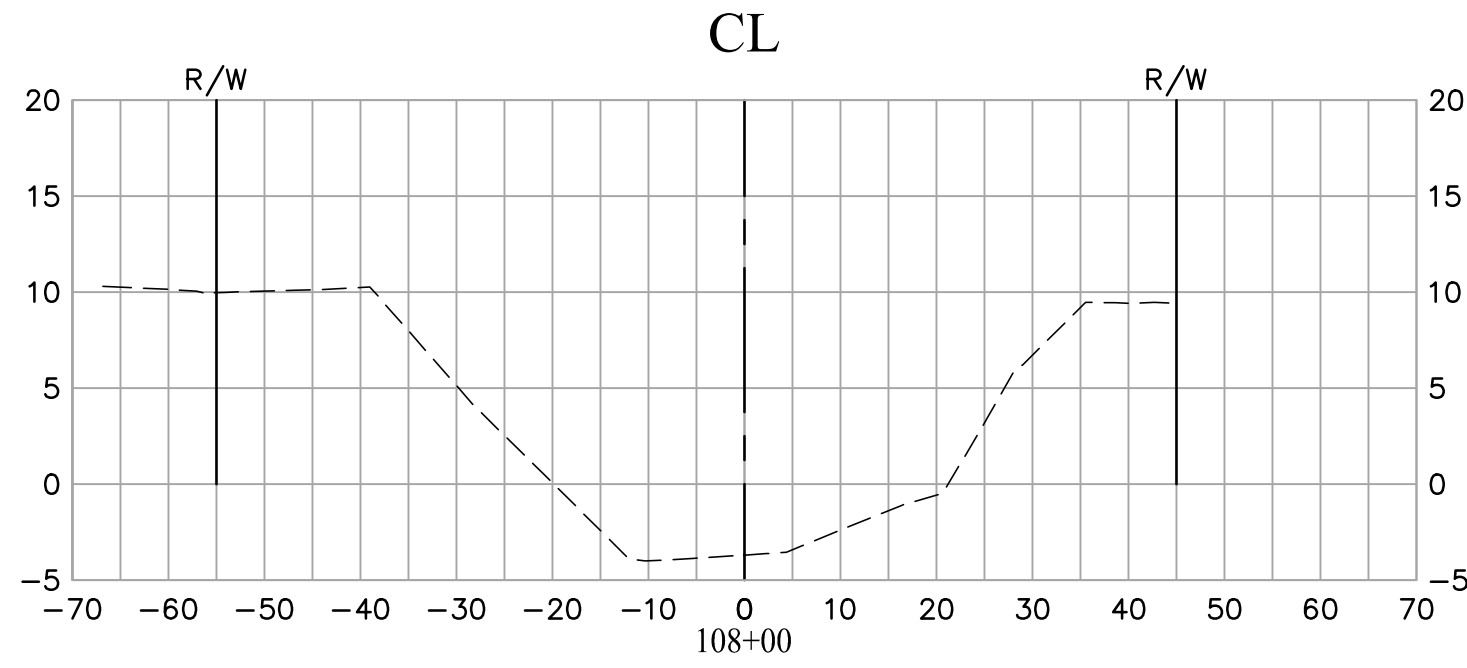
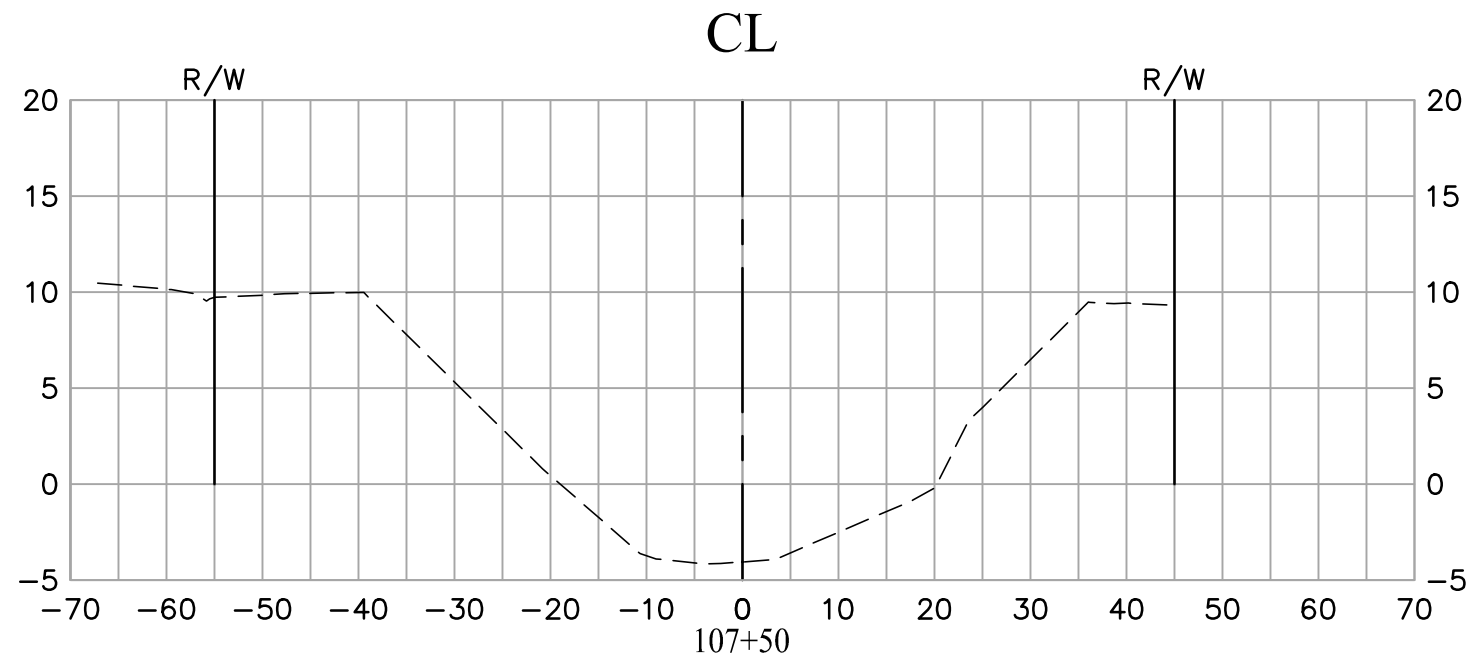
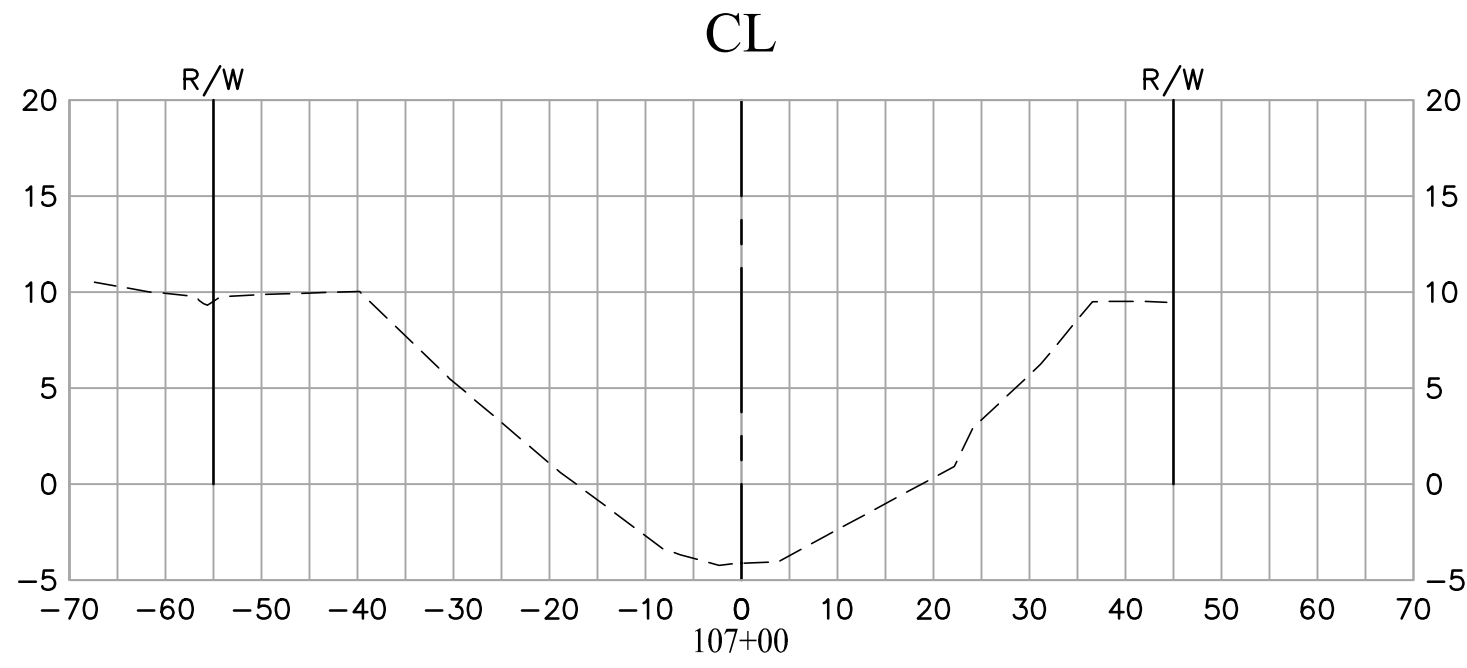
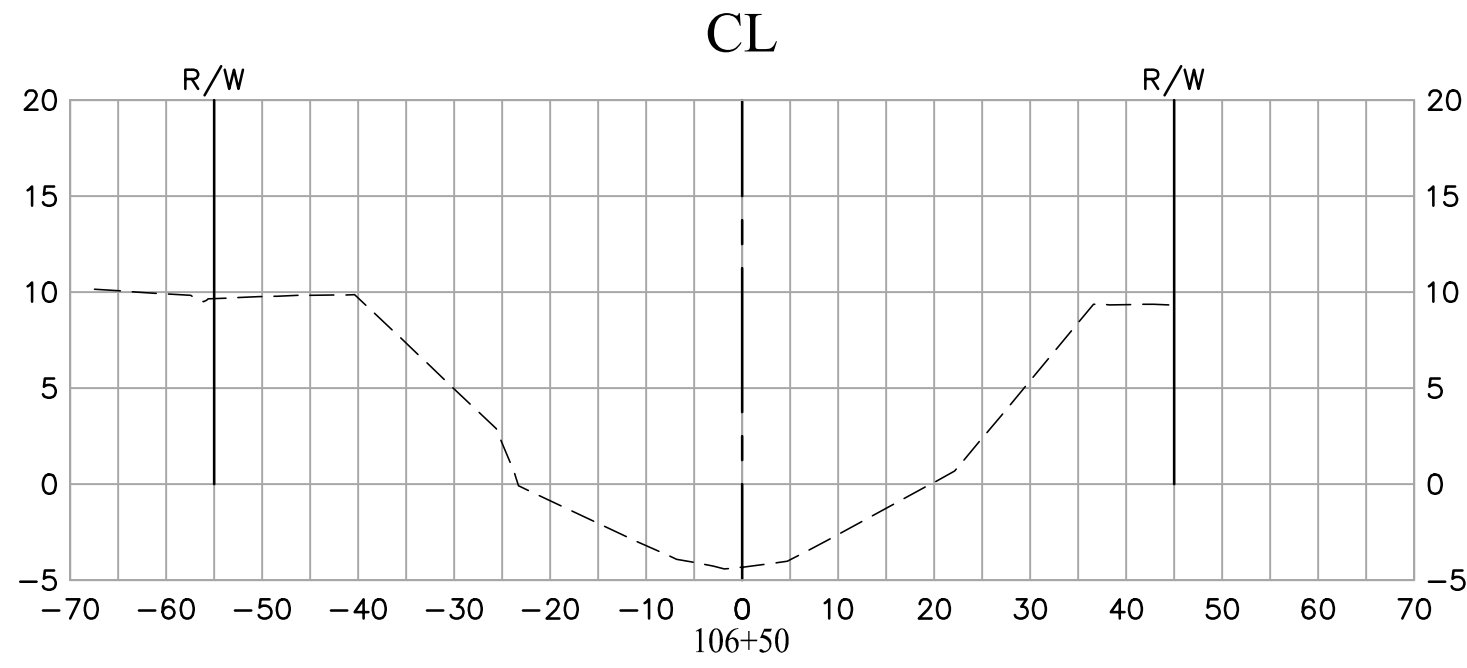
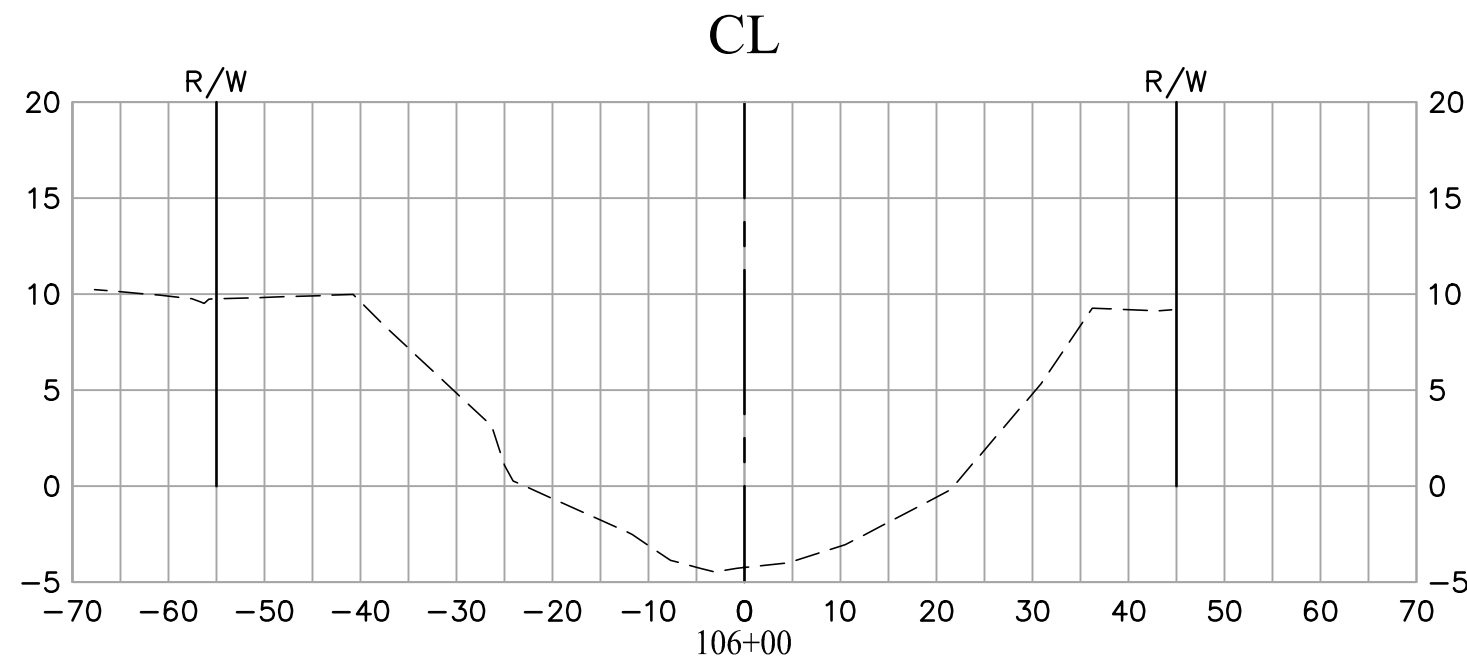
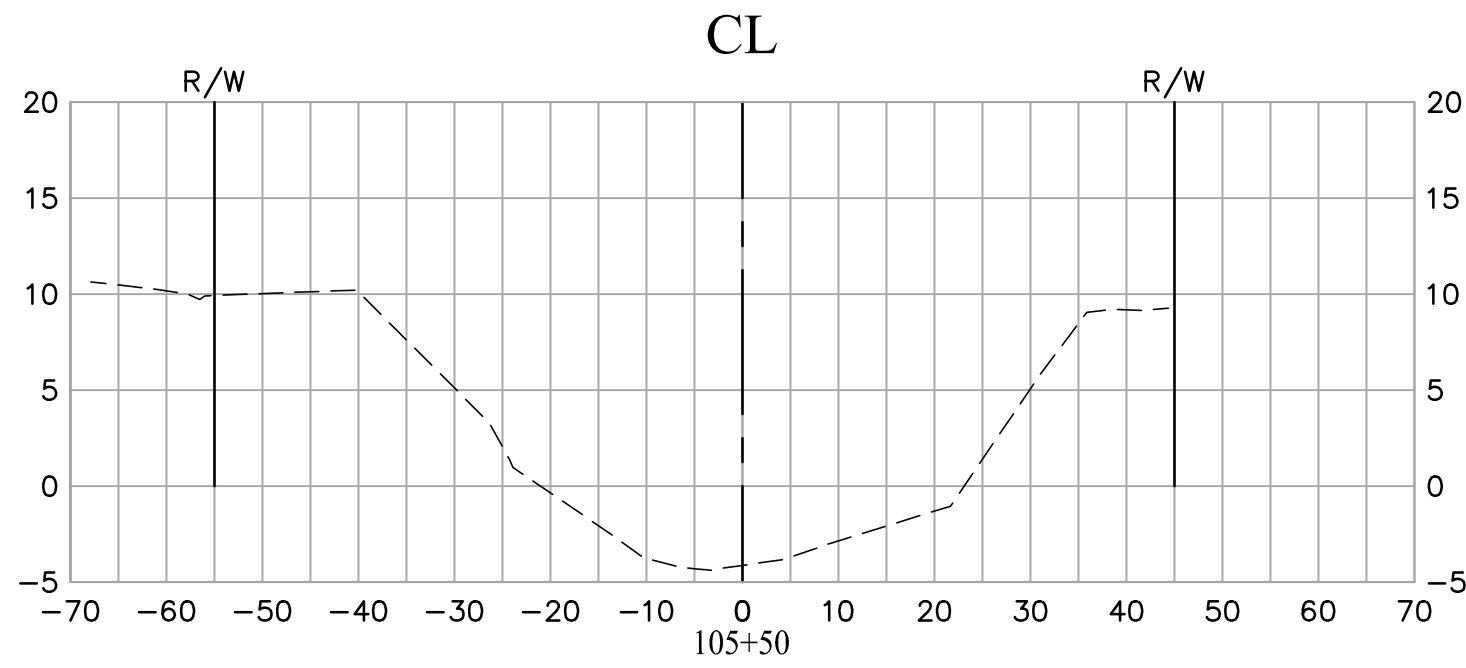
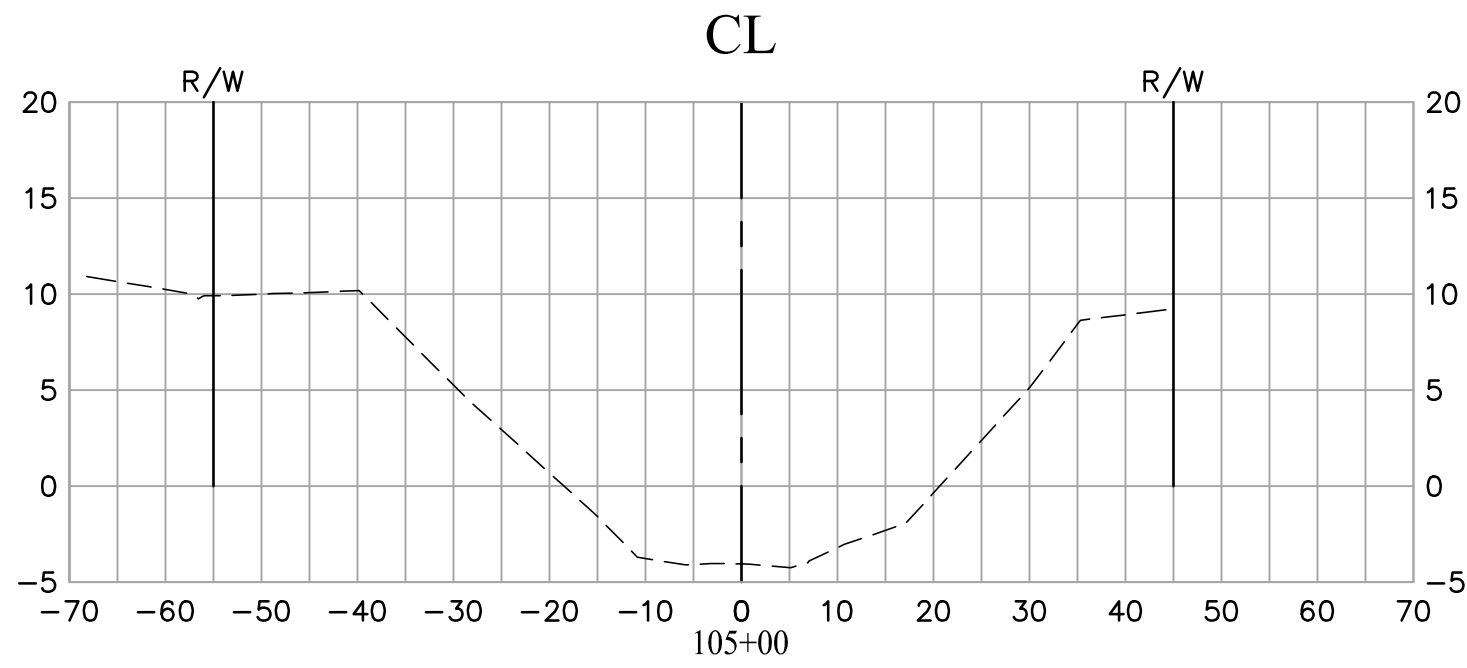
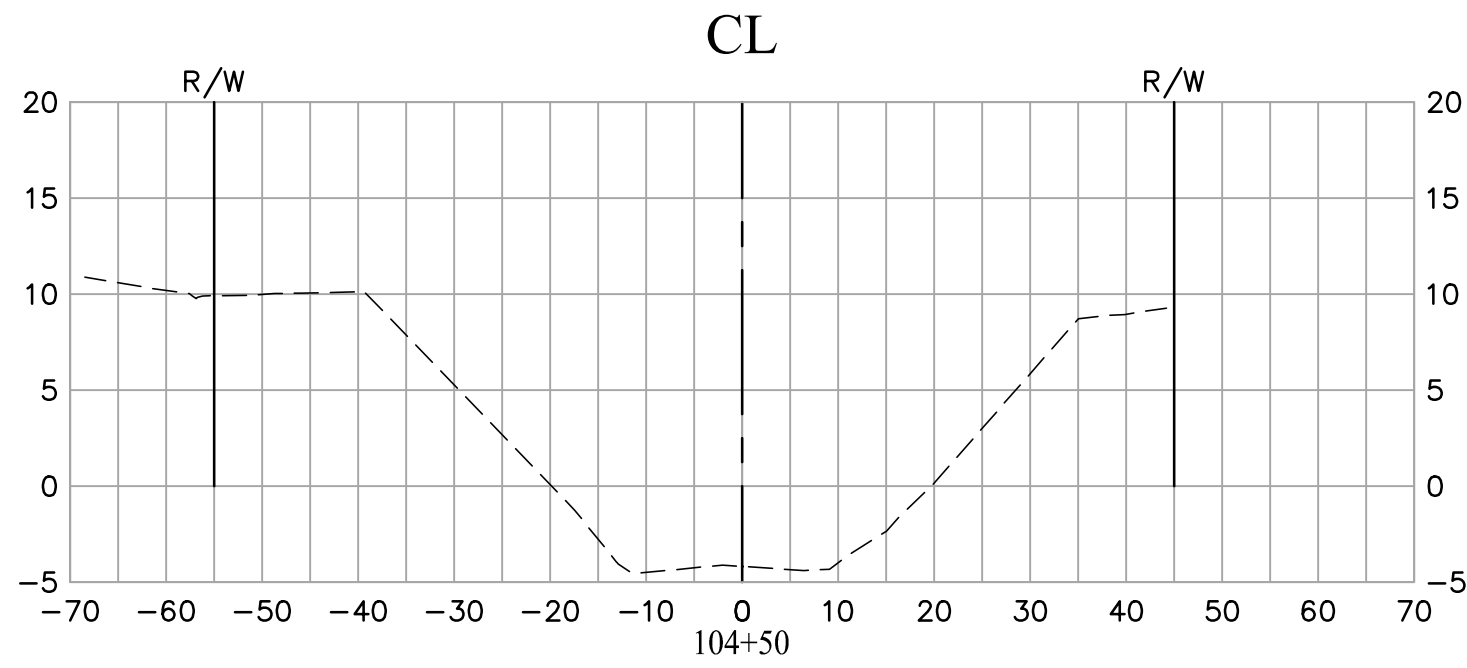
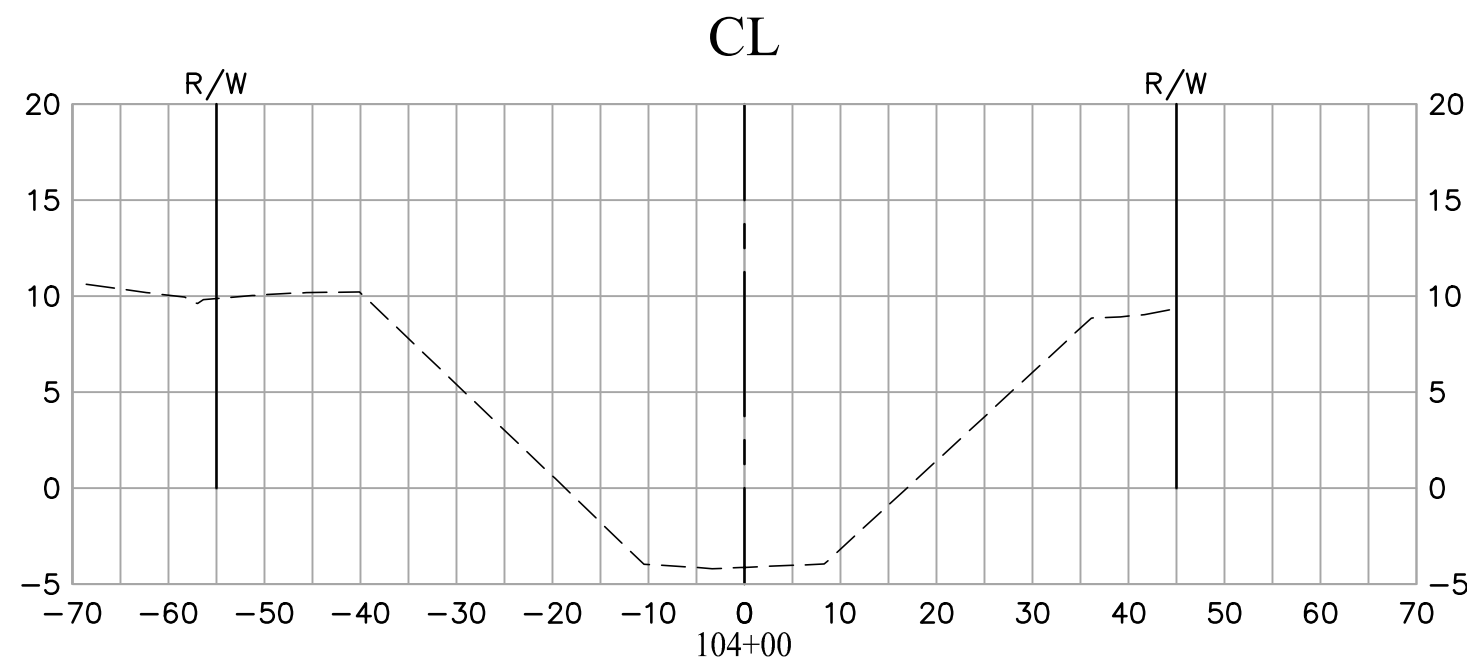
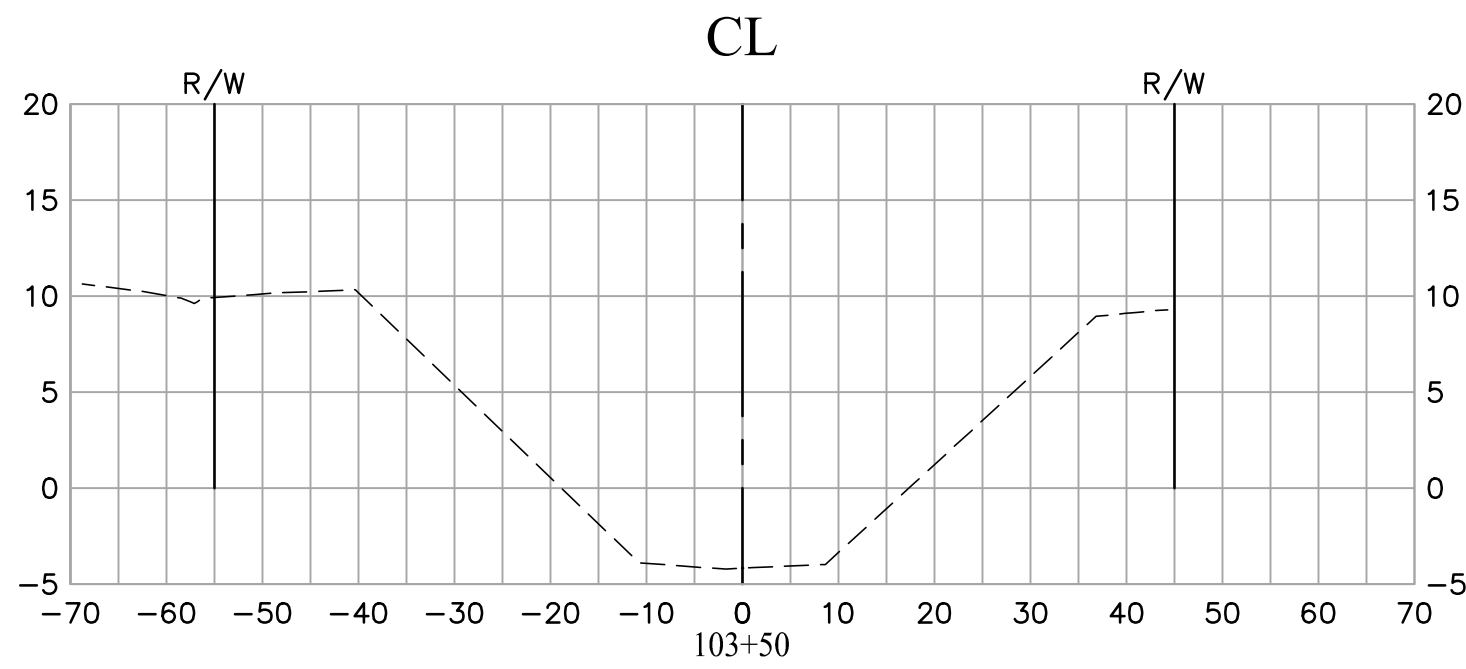
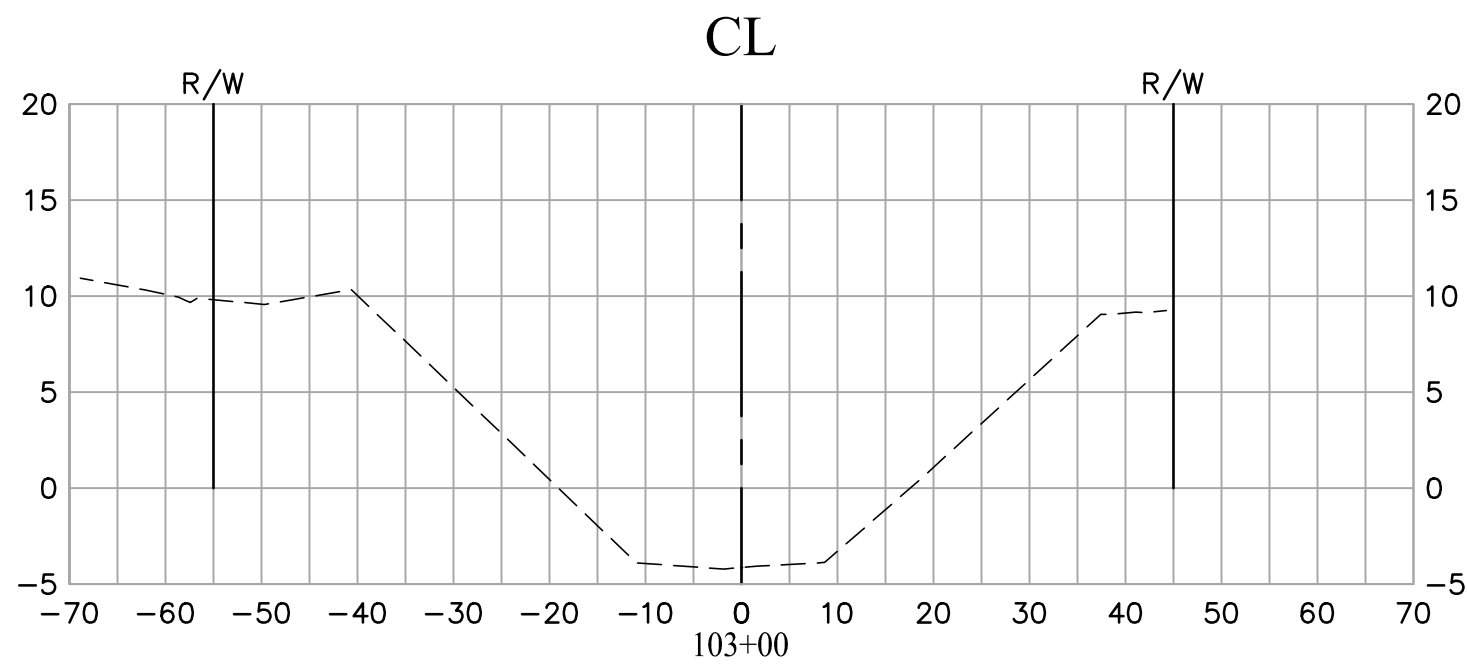
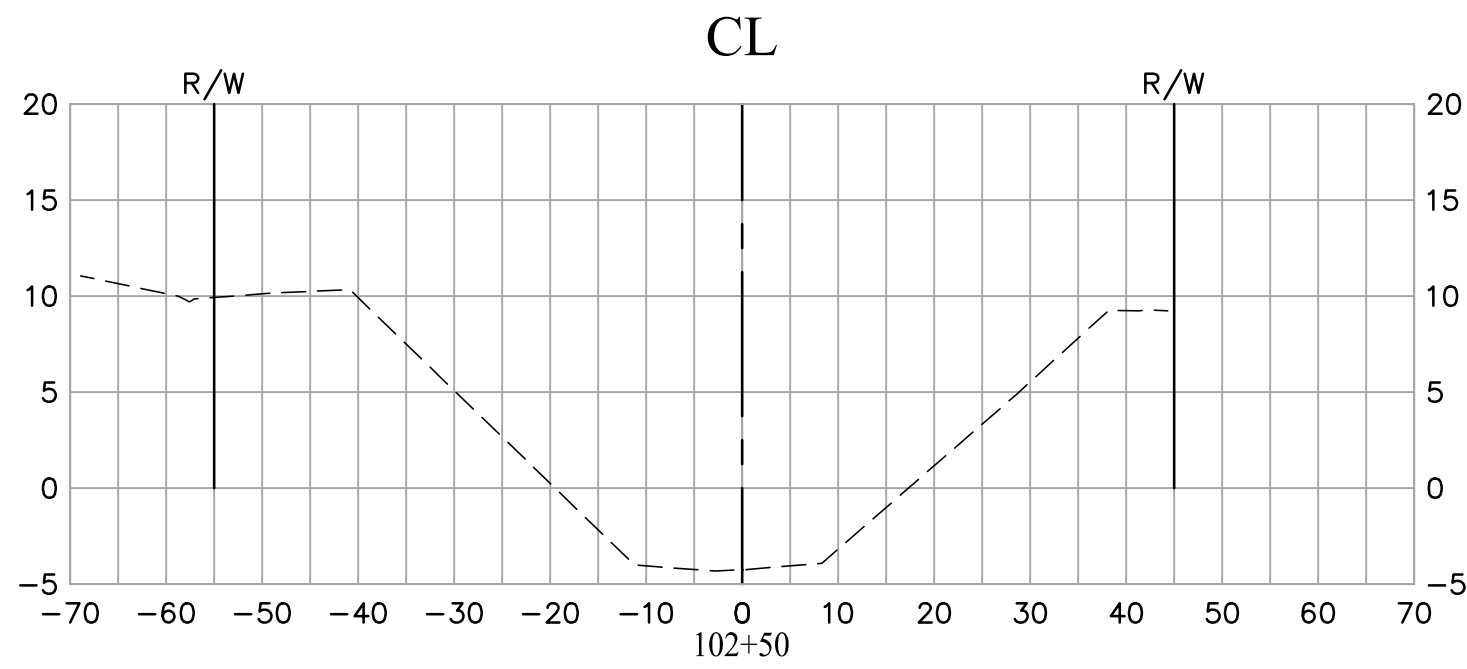
----- Existing Surface

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VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



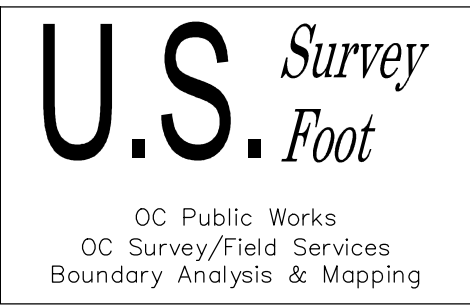
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				LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS	
				SECTIONS	
				PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)	
		DATE OF SURVEY: 12/24/2020		BY: J. JOHNS	SHEET NO. 17 of 19
		MAPPING		BY: A. VU	
		OFFICE CHECK		BY: J. MORENO, PLS	
		FIELD CHECK		BY: J. JOHNS	
		SCALE: AS SHOWN		W.O. #EF20403P	FILE #2021PW-PR0001
				FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	
MARK	DATE	ITEM			
REVISIONS					



LEGEND

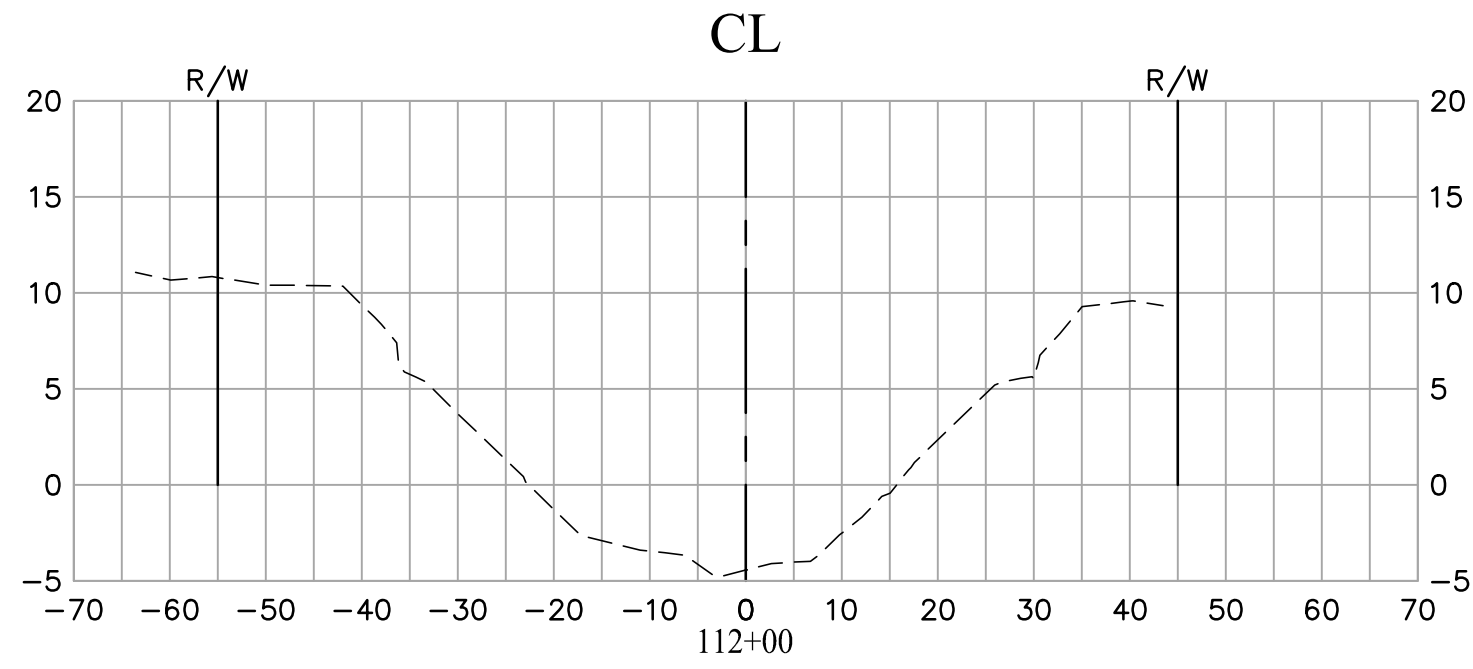
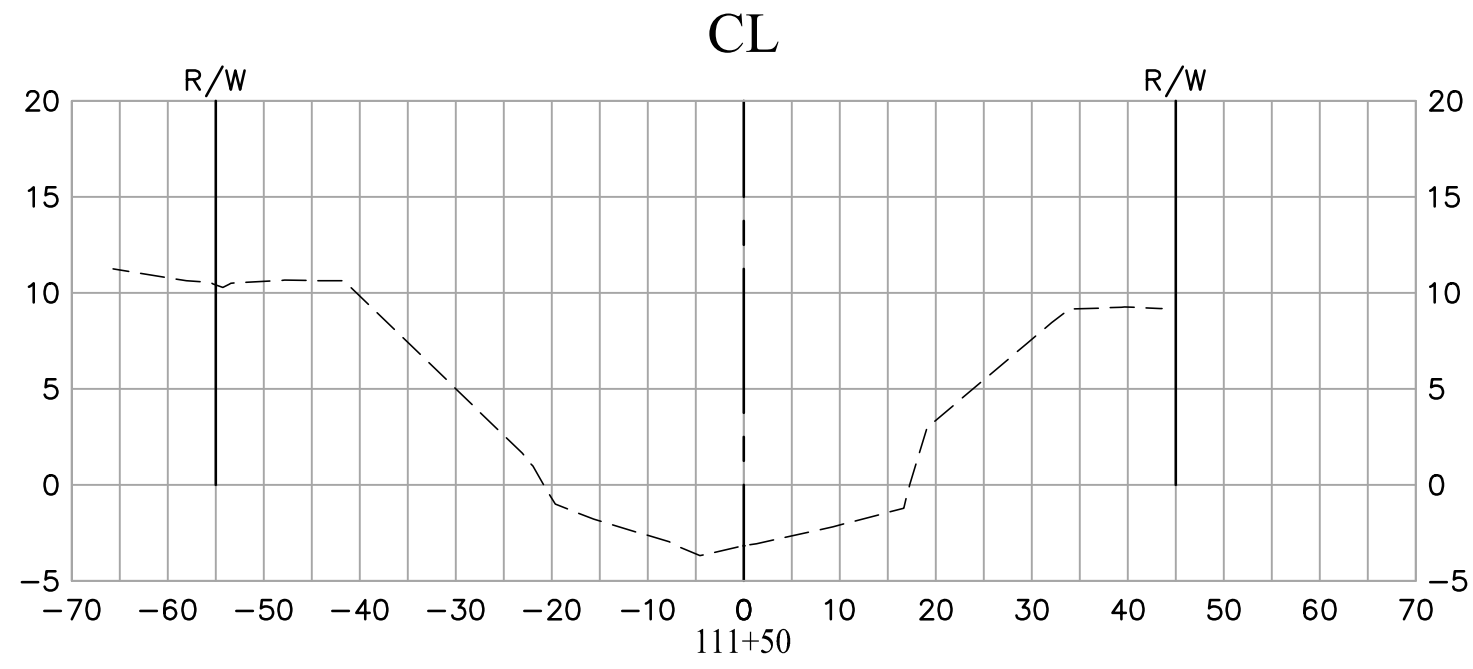
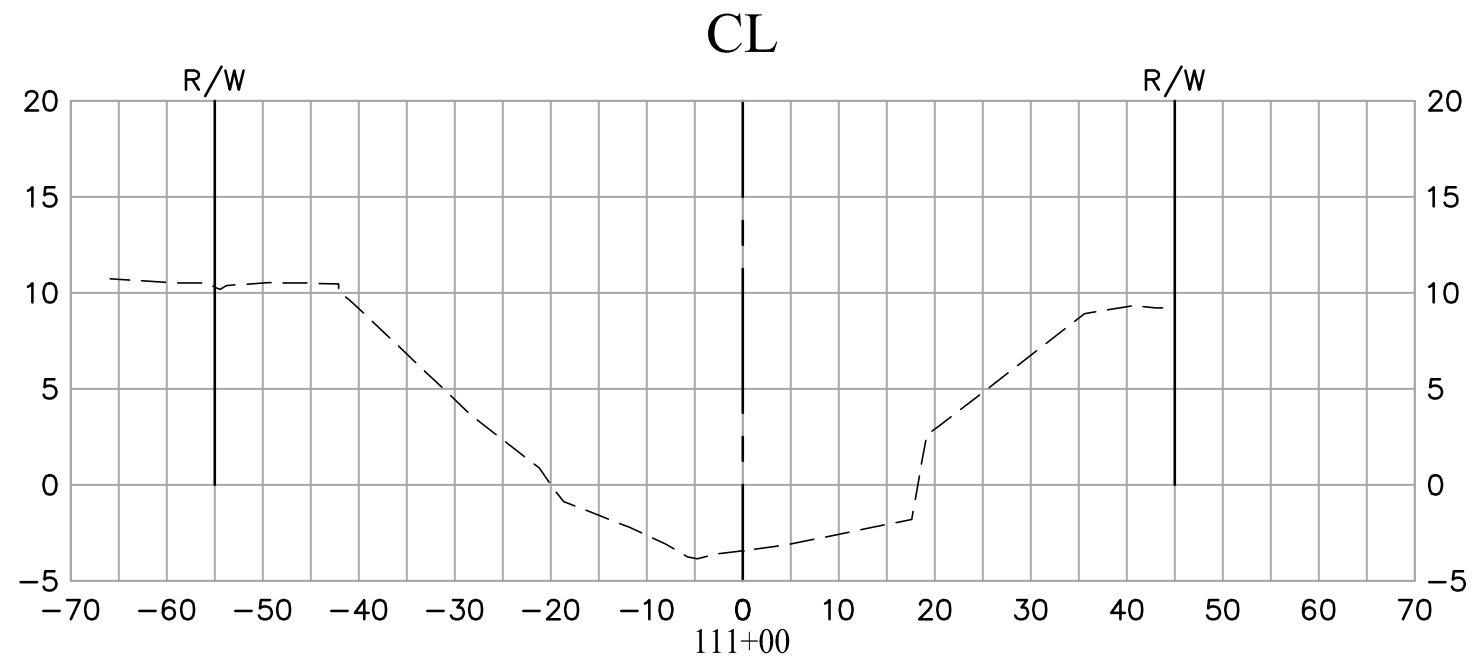
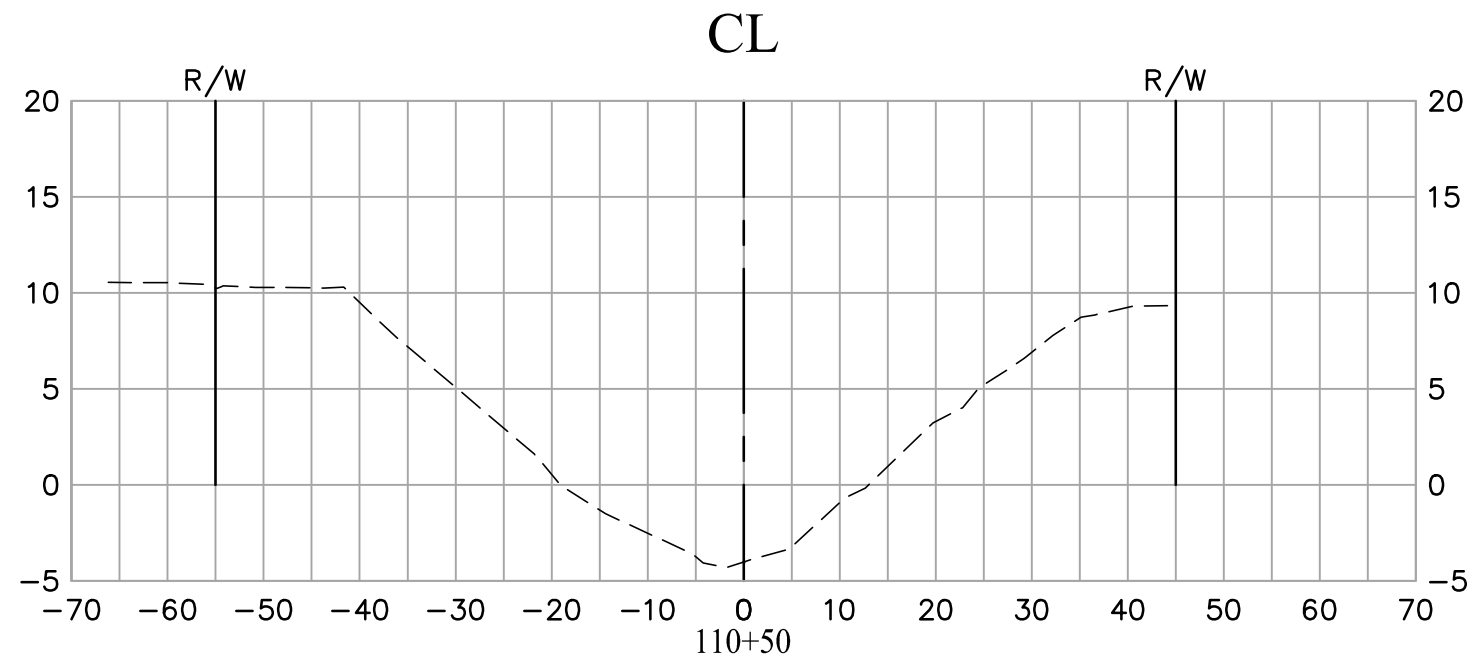
----- Existing Surface

VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



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			MAPPING		BY:A. VU	
			OFFICE CHECK		BY:J. MORENO, PLS	
			FIELD CHECK		BY:J. JOHNS	
MARK	DATE	ITEM	SCALE: AS SHOWN		W.O. #EF20403P	FILE # 2021PW-PR0001
REVISIONS			FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG			
SHEET NO. 18 of 19						

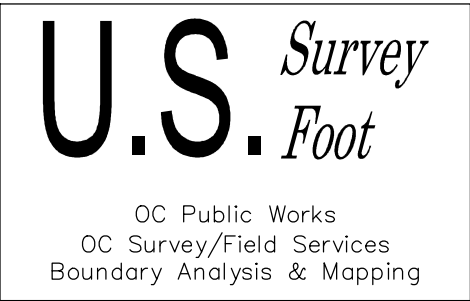


LEGEND

----- Existing Surface

NOTES
CENTERLINES, RIGHT OF WAY AND PROPERTY LINES SHOWN BASED ON RECORD DATA FROM RECORD MAPS/DOCUMENTS AND TO BE USED FOR GRAPHICAL PURPOSES ONLY. UPON COMPLETION OF A BOUNDARY FIELD SURVEY, AN UPDATED SET OF PLANS, TO INCLUDE BOUNDARY NOTES AND ESTABLISHMENT, WILL BE SUBMITTED.

VERT. SCALE: 1"=10'
HOR. SCALE: 1"=20'



COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
LOS ALAMITOS CHANNEL (C01) EARTHEN SLOPE IMPROVEMENTS			
SECTIONS			
PROJECT LIMITS: FROM WESMINSTER BLVD. (DOWNSTREAM) TO GARDEN GROVE FREEWAY (UPSTREAM)			
DATE OF SURVEY: 12/24/2020		BY: J. JOHNS	SHEET NO. 19 of 19
MAPPING		BY: A. VU	
OFFICE CHECK		BY: J. MORENO, PLS	
FIELD CHECK		BY: J. JOHNS	
SCALE: AS SHOWN		W.O. #EF20403P	FILE #2021PW-PR0001
REVISIONS		FILE: LOS ALAMITOS CHANNEL (C01)_TOPO_2021.DWG	