OC PUBLIC WORKS DEPARTMENT

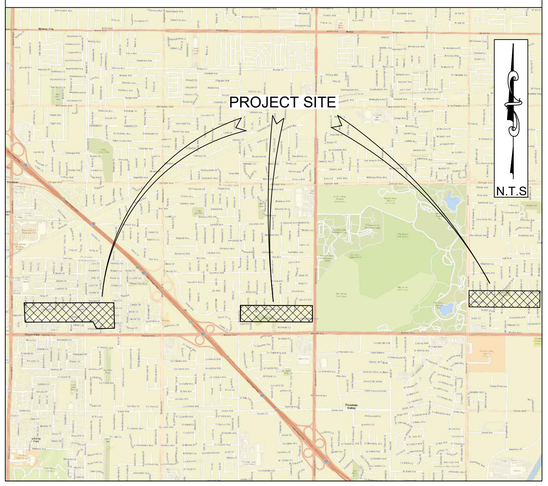
SHANE SILSBY, DIRECTOR

KEVIN HILLS, COUNTY SURVEYOR

OCEAN VIEW CHANNEL (C06)

MAINTENANCE PROJECT

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 9 DAY OF OCTOBER, 2019.

MICHAEL KUBISTY, PLS SENIOR LAND SURVEYOR

LICENSED LAND SURVEYOR MICHAEL KUBISTY No. 8036 STATE OF CALIFORNIA

DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 9 DAY OF OCTOBER, 2019.

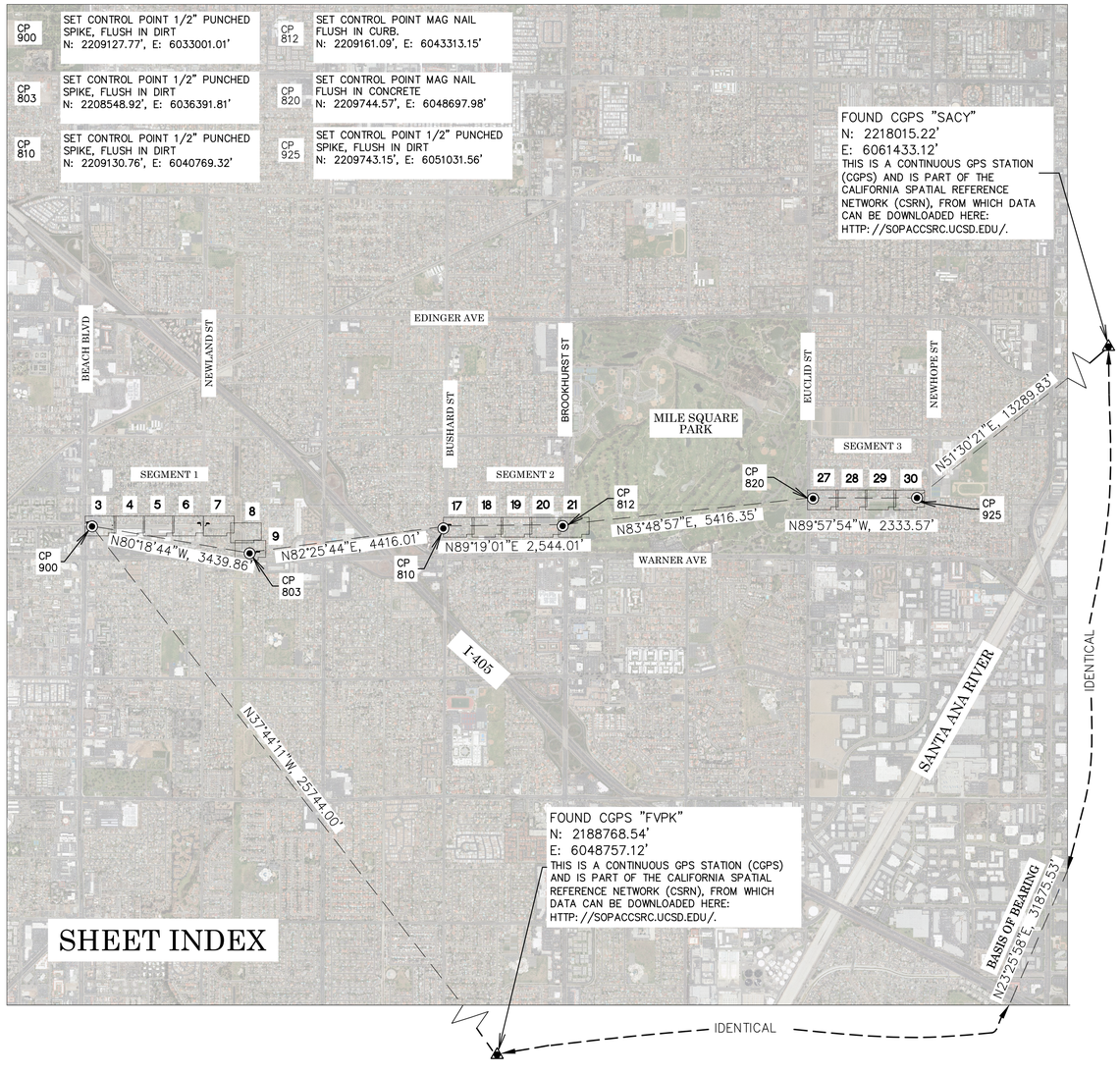
WADE WEAVER, PLS DEPUTY COUNTY SURVEYOR

LICENSED LAND SURVEYOR WADE D. WEAVER No. 4337 STATE OF CALIFORNIA

U.S. *Survey Foot*

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

N.T.S



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS (CGPS) FVPK AND SACY BEING NORTH 23°25'58" EAST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS 2007.0 EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY 1.00001953

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

VERTICAL DATUM

1. (SEGMENT 1) O.C.S. BM. HD–263–86 ELEV. = 26.819 YEAR 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: DESCRIBED BY OCS 2004 – FOUND 3 3\4" OCS ALUMINUM BENCHMARK DISK STAMPED "HB–263–86", SET IN THE SOUTHERLY END OF A 20 FT. LONG CONCRETE HEADWALL FOR A FLOOD CONTROL CHANNEL. MONUMENT IS LOCATED IN THE SOUTHWEST CORNER OF THE INTERSECTION OF BEACH BOULEVARD AND DAMASK DRIVE, 73 FT. SOUTH OF THE CENTERLINE OF DAMASK DRIVE, 61 WEST OF BEACH BOULEVARD. MONUMENT IS SET LEVEL WITH THE TOP OF THE WALL

2. (SEGMENT 2) O.C.S. BM. 1D–74–69 ELEV. = 30.698 YEAR 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: DESCRIBED BY OCS 2002 – FOUND 3 3\4" OCS ALUMINUM BENCHMARK DISK STAMPED "1D–74–69"SET IN THE NORTHWEST CORNER OF A 4 FT. BY 6 CONCRETE CATCH BASIN. MONUMENT IS LOCATED ALONG THE EASTERLY SIDE OF BUSHARD STREET 326 FT. SOUTHERLY ALONG BUSHARD STREET FROM ITS INTERSECTION WITH WARNER AVENUE, 33 FT. EASTERLY OF THE CENTERLINE OF BUSHARD STREET. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

3. (SEGMENT 3) O.C.S. BM. 1D–100–05 ELEV. = 38.341 YEAR 2010
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)

DESCRIPTION: DESCRIBED BY OCS 2005 – FOUND 3 3\4" OCS ALUMINUM BENCHMARK DISK STAMPED "1D–100–05", SET IN THE SOUTHWESTERLY CORNER OF A 4.0 BY 15.0 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEASTERLY CORNER OF THE INTERSECTION OF WARNER AVENUE AND EUCLID STREET, 122 FT. EASTERLY OF THE CENTERLINE OF EUCLID AND 58 FT. NORTHERLY OF THE CENTERLINE OF WARNER MONUMENT IS SET LEVEL WITH THE SIDEWALK

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	ALIGNMENT SHEET
SHEETS 3–9,17–21,27–30	TOPOGRAPHIC MAP
SHEETS 10–16,22–26,31–34	PROFILE SHEETS

MARK	DATE	ITEM
REVISIONS		

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

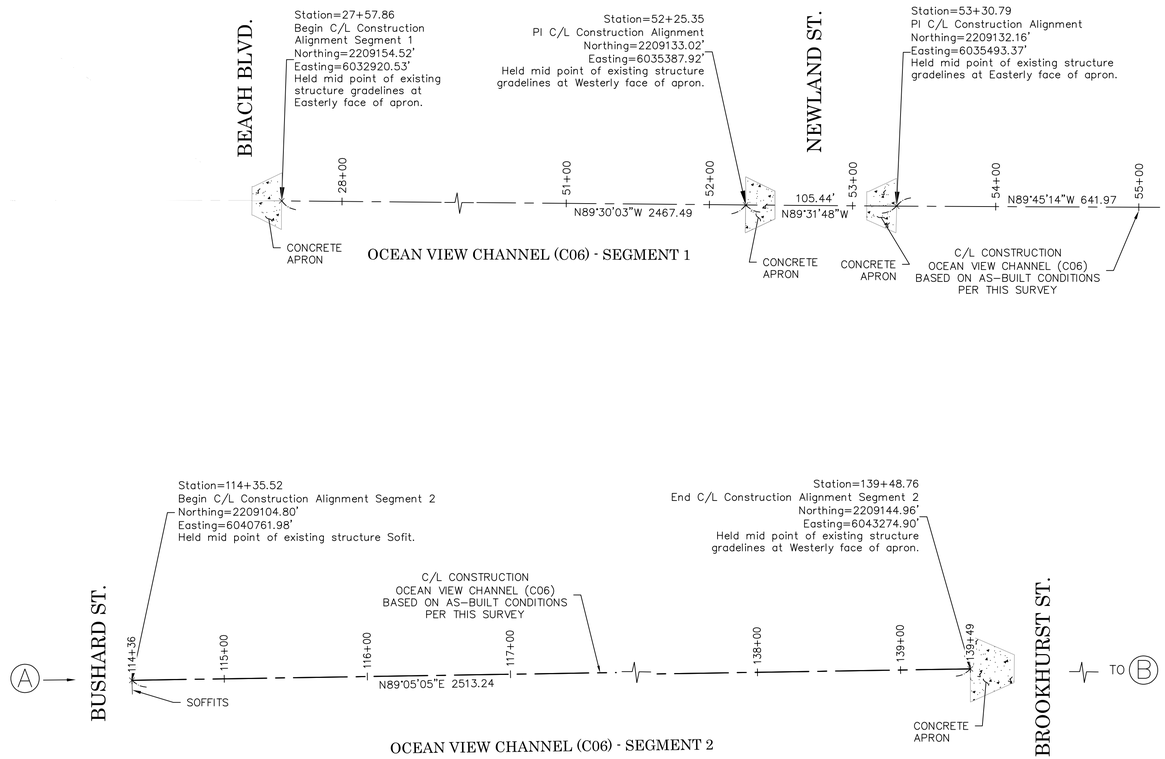
OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TITLE SHEET

FROM: BEACH BOULEVARD	
TO: NEWHOPE STREET	
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: N.T.S W.O.# EF21238	FILE # 1819PW–0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG	

SHEET NO. 1 of 34

TOPOGRAPHIC MAPPING PROJECT



HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS 2007.0 EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY 1.00001953

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

BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

ALIGNMENT ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

SAID ALIGNMENT IS REFERENCED IN THE TOPOGRAPHIC MAP SHEETS AS "CONSTRUCTION CENTERLINE – OCEAN VIEW CHANNEL (E06)".

NOTES

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

REFERENCES

SEGMENT 1 = RECORD PLAN C06-101-2-A DATED APRIL 1960
SEGMENT 2 = RECORD PLAN C06-101-4-A DATED JUNE 1964
SEGMENT 3 = RECORD PLAN C06-103-1-M DATED AUGUST 1966
SEGMENT 3 = RECORD PLAN C06-101-5-A DATED NOVEMBER 1966

U.S. *Survey Foot*

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

MARK	DATE	ITEM
REVISIONS		

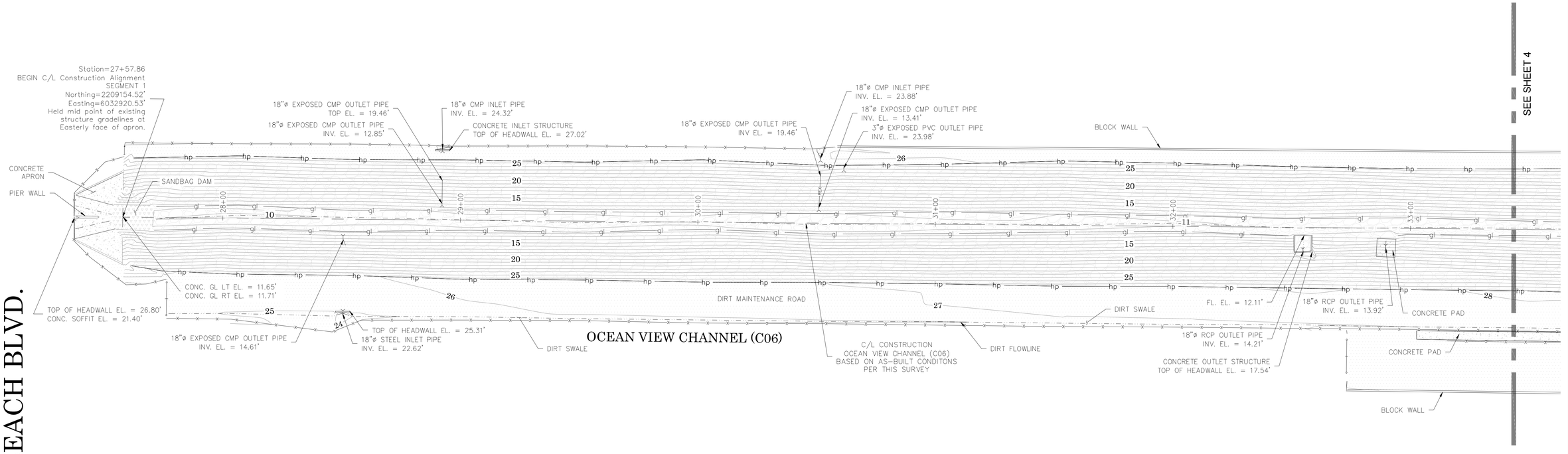
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

ALIGNMENT SHEET

FROM: BEACH BOULEVARD	
TO: NEWHOPE STREET	
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: 1" = 50' W.O. #EF21238	FILE # 1819PW-OP0003
FILE: OCEAN VIEW_2018_ALIGNMENT.DWG	

SHEET NO. 2 of 34



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. Survey Foot

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
MHHUN	Manhole - Undefined
MWL	Monitoring Well
PBXEL	Pullbox - Electrical
PBXUN	Pullbox - Undefined
PCN	Pier Column
PPI/PPO	Pipe Inlet / Pipe Oulet
PST	Post
UG1	Utility Pole
VLTEL	Vault - Electrical
VLTUN	Vault - Undefined
VLTWA	Vault - Water
VPP	Vent Pipe
VLVWA	Water Valve

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe

LINE PATTERN KEY

Block Wall
Centerline
Edge of Asphalt Pavement
Fence - Chain Link
Flowline
Gradeline
Head Wall
Hinge Point
Lot Line
Right of Way
Retaining Wall
Wall as Noted
EXPOSED PIPE

AREA PATTERN KEY

Concrete
Dirt
Gravel
Rip Rap

MARK	DATE	ITEM
		REVISIONS

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO.
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of
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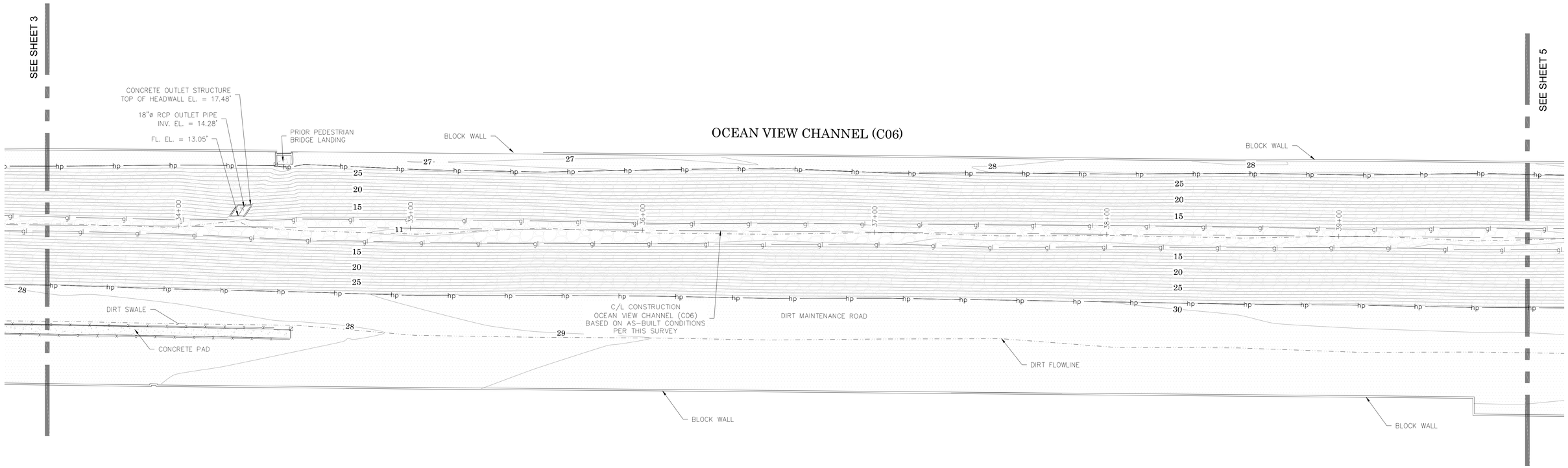
OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
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Hinge Point
Lot Line
Right of Way
Retaining Wall
Wall as Noted
EXPOSED PIPE

AREA PATTERN KEY

Concrete
Dirt
Gravel
Rip Rap

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

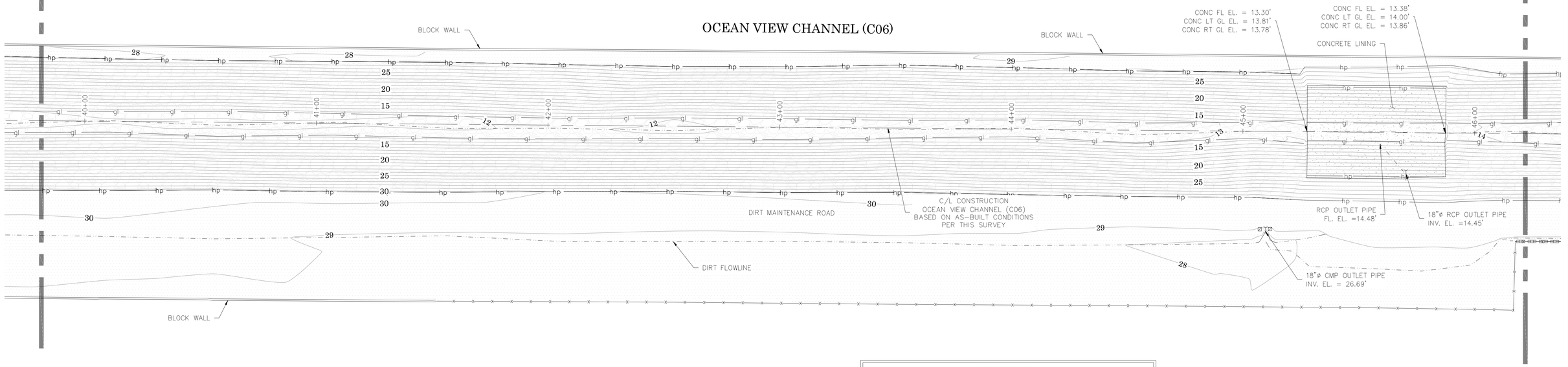
FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 4 of 34

SEE SHEET 4

SEE SHEET 6

OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

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LINE PATTERN KEY

- Block Wall
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- Fence - Chain Link
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- Gradeline
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- Hinge Point
- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
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- Rip Rap

ABBREVIATIONS

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PVC	Polyvinyl Chloride Pipe
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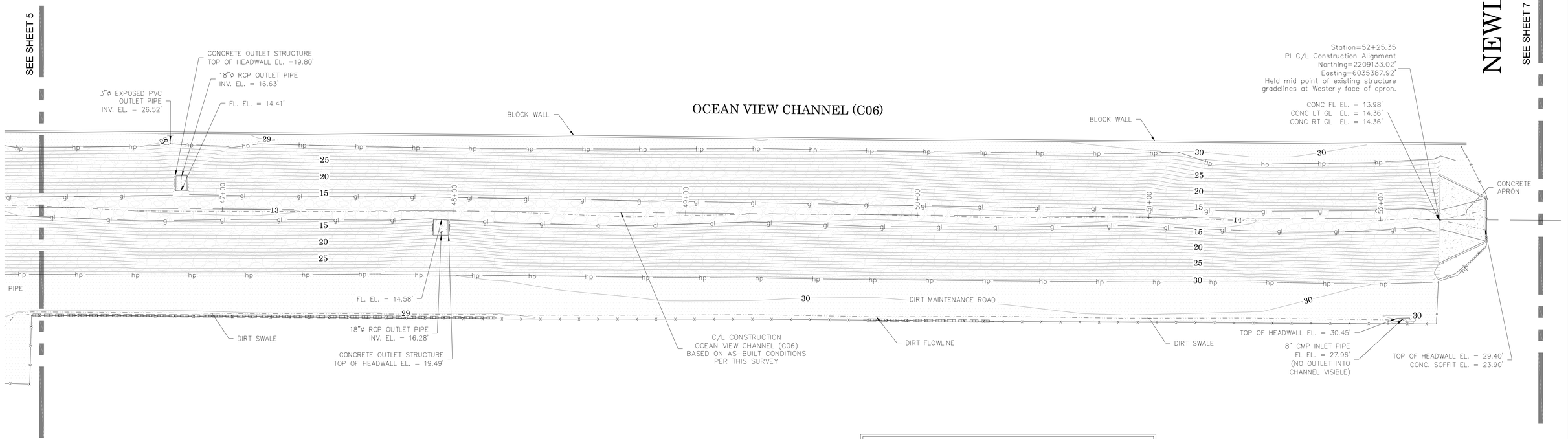
MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	SHEET NO. 5 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN_VIEW_2018_TOPO.DWG		



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

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VLTWA	Vault - Water
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VLVWA	Water Valve

LINE PATTERN KEY

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- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

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- Dirt
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ABBREVIATIONS

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MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN_VIEW_2018_TOPO.DWG		

SHEET NO.
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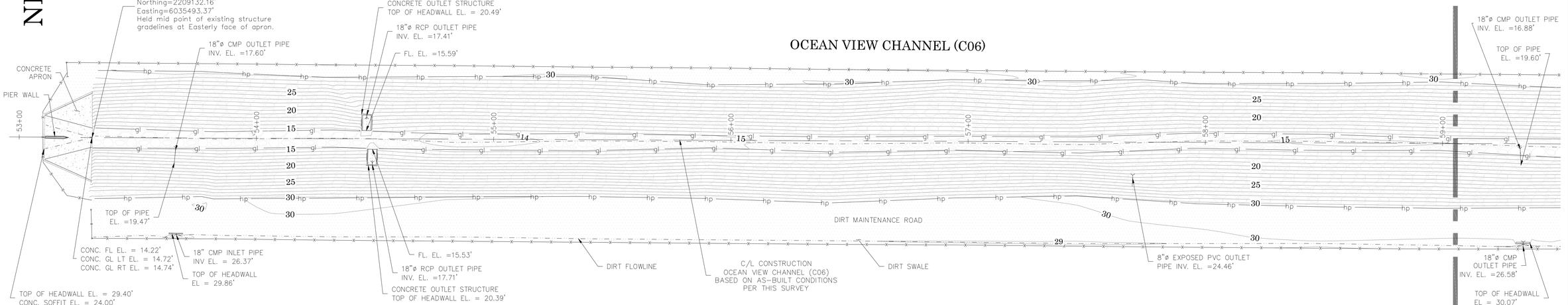
of
34

SEE SHEET 6

NEWLAND STREET

OCEAN VIEW CHANNEL (C06)



SEE SHEET 8

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
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MWL	Monitoring Well
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LINE PATTERN KEY

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Right of Way
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EXPOSED PIPE

AREA PATTERN KEY

Concrete
Dirt
Gravel
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ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
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SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

MARK	DATE	ITEM
REVISIONS		

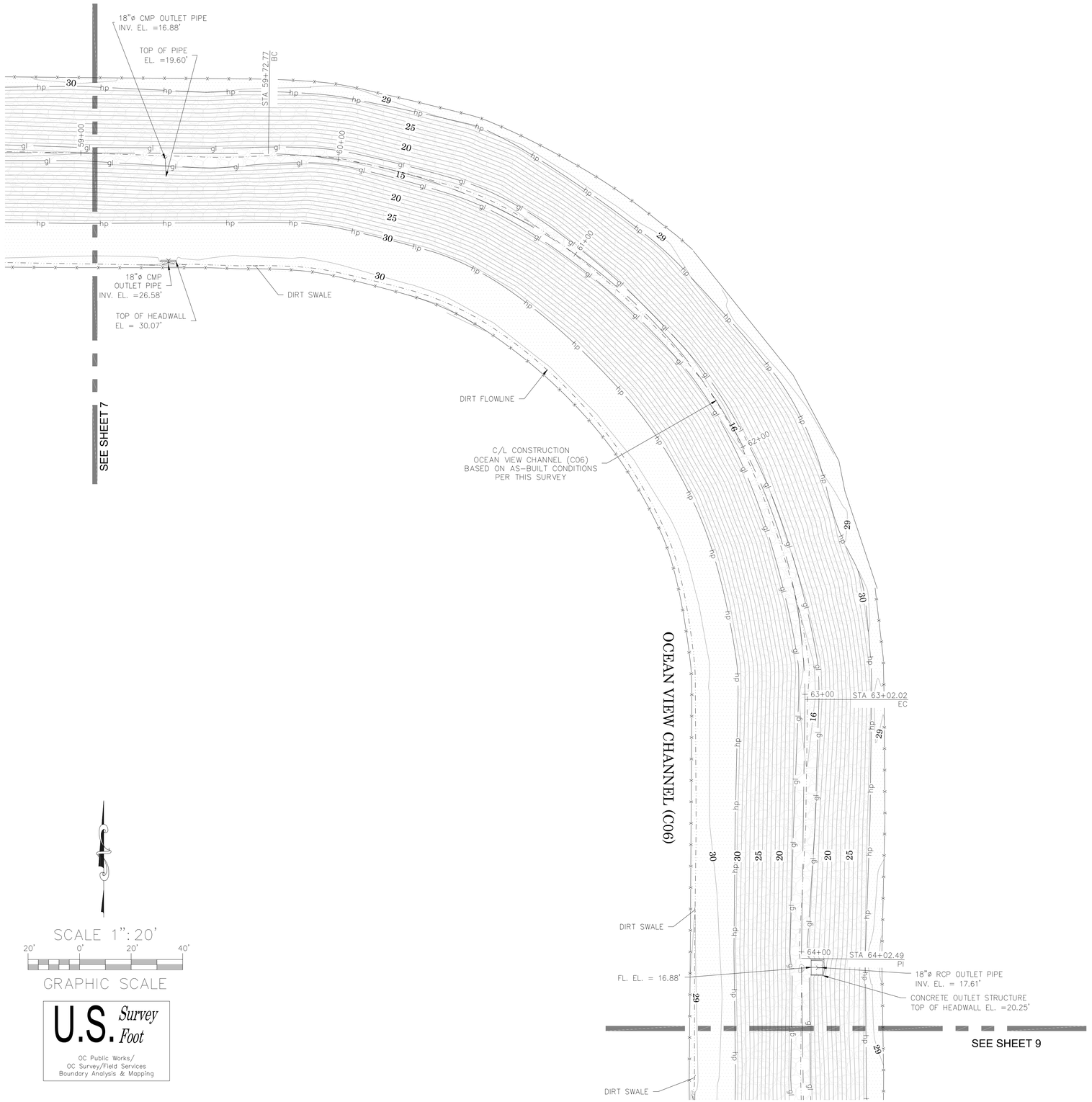
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-OP0003
FILE: OCEAN_VIEW_2018_TOPO.DWG		

SHEET NO. 7 of 34



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. Survey Foot

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

LEGEND

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LINE PATTERN KEY

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- Gradeline
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- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
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MARK	DATE	ITEM
REVISIONS		

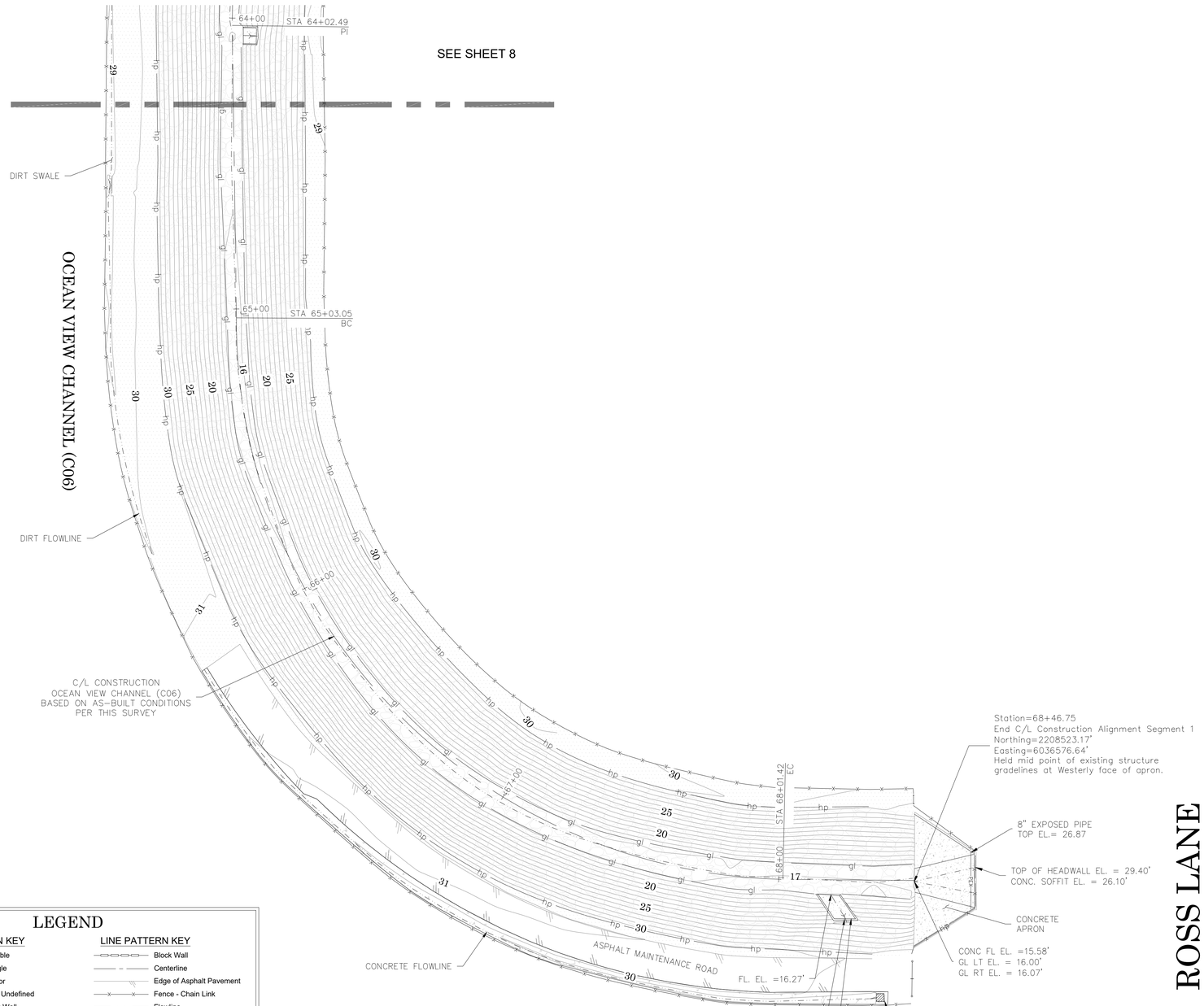
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 8 of 34



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double	
SGT	Gate, Single	
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PBXEL	Pullbox - Electrical	
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PCN	Pier Column	
PPI/PPO	Pipe Inlet / Pipe Oulet	
PST	Post	
UG1	Utility Pole	
VLTEL	Vault - Electrical	
VLTUN	Vault - Undefined	
VLTWA	Vault - Water	
VPP	Vent Pipe	
VLVWA	Water Valve	

LINE PATTERN KEY

- Block Wall
- Centerline
- Edge of Asphalt Pavement
- Fence - Chain Link
- Flowline
- gl — Gradeline
- Head Wall
- hp — Hinge Point
- Lot Line
- R/W — Right of Way
- Retaining Wall
- Wall as Noted
- PEX — EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe

MARK	DATE	ITEM
		REVISIONS

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

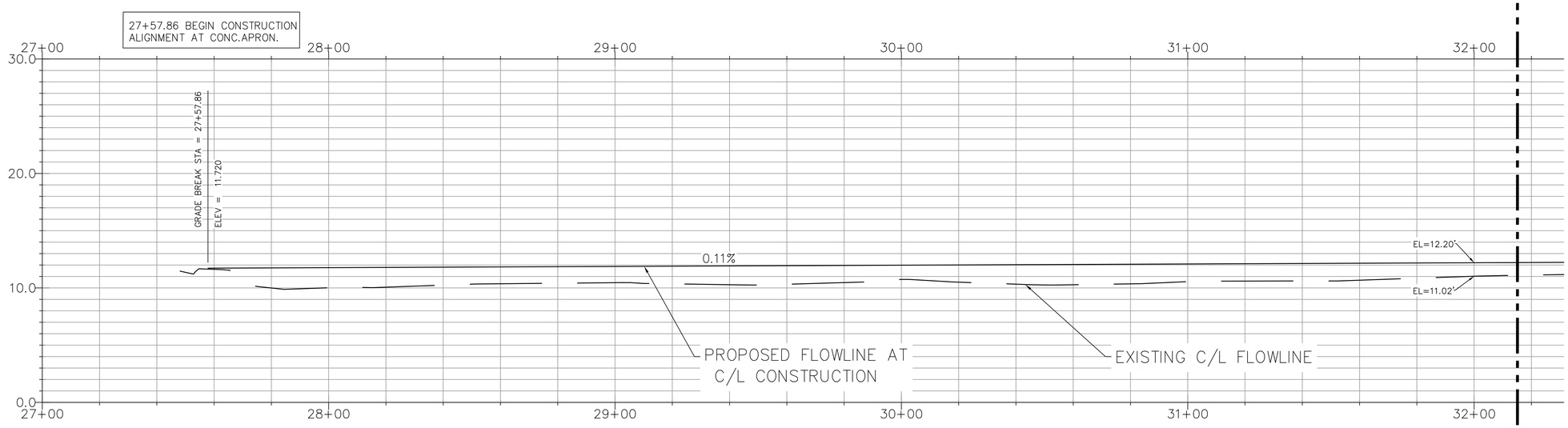
OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 9 of 34

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings ————————
and Engineer's directive. See Alignment
and Profile Establishment Note.

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

SAID ALIGNMENT IS REFERENCED IN THE TOPOGRAPHIC MAP SHEETS AS "CONSTRUCTION CENTERLINE – OCEAN VIEW CHANNEL (E06)".

BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

U.S. *Survey Foot*

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

MARK	DATE	ITEM
REVISIONS		

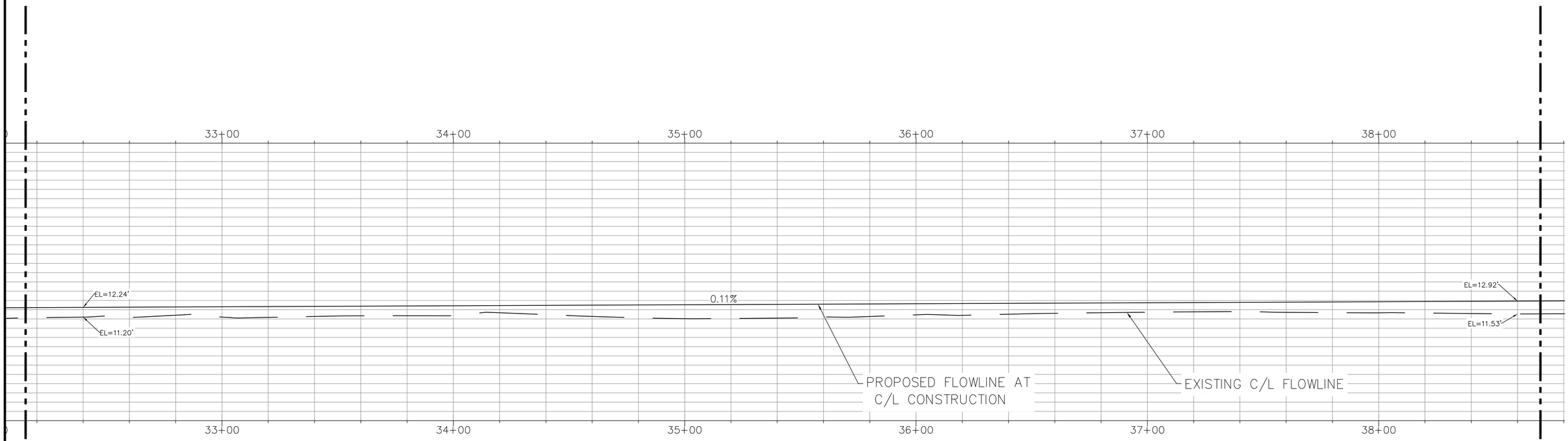
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 10 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 10

MATCHLINE - SEE SHEET 12

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

U.S. Survey Foot
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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MARK	DATE	ITEM
REVISIONS		

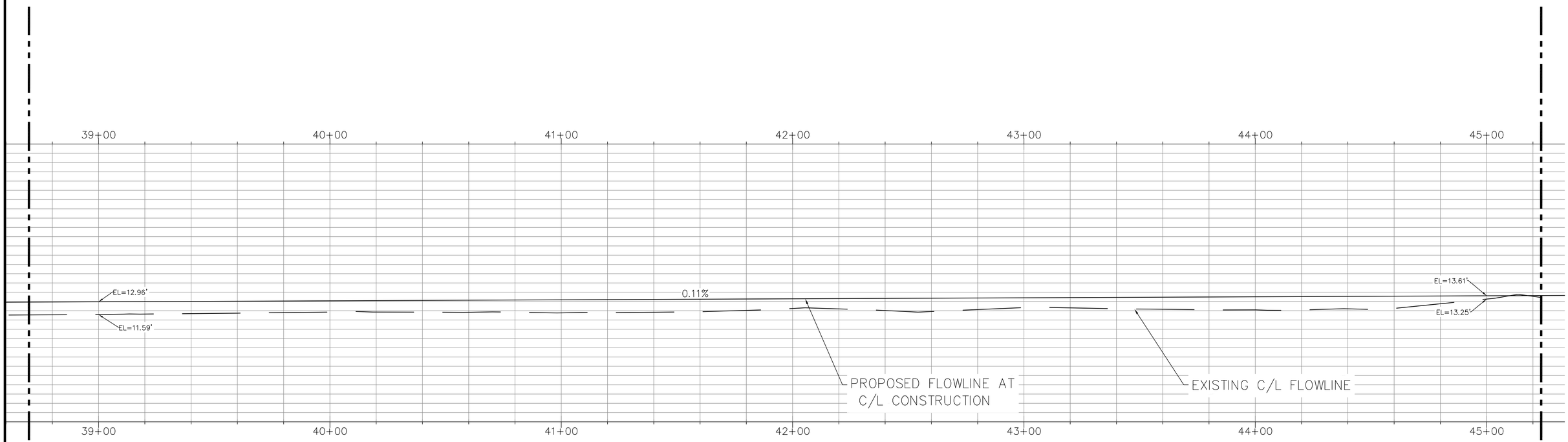
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 11 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 11

MATCHLINE - SEE SHEET 13

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

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MARK	DATE	ITEM
REVISIONS		

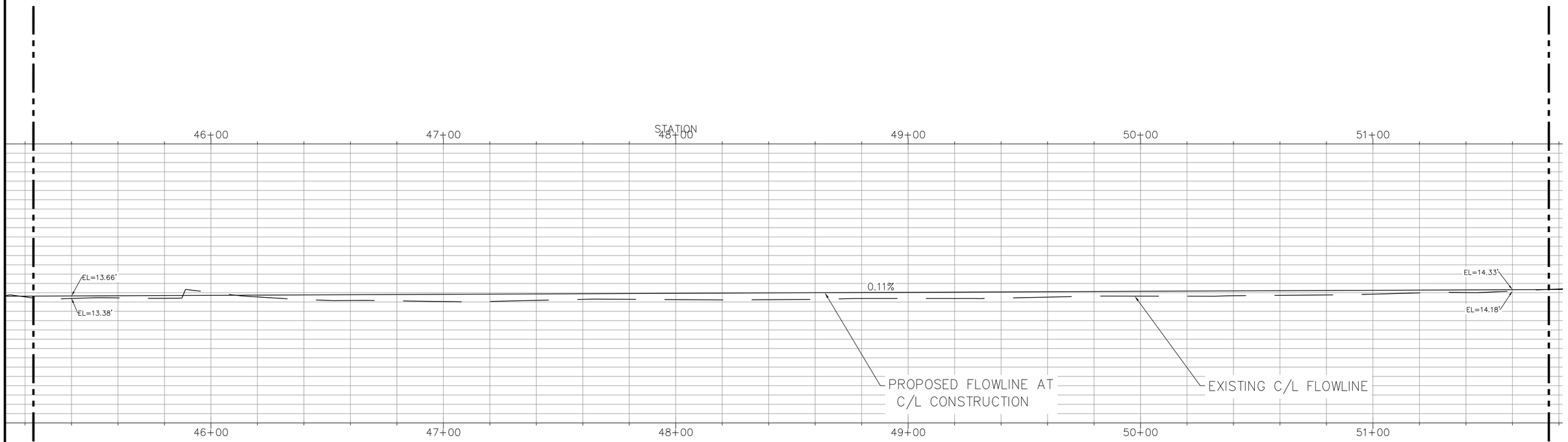
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 12 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 12

MATCHLINE - SEE SHEET 14

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

U.S. Survey Foot
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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MARK	DATE	ITEM
REVISIONS		

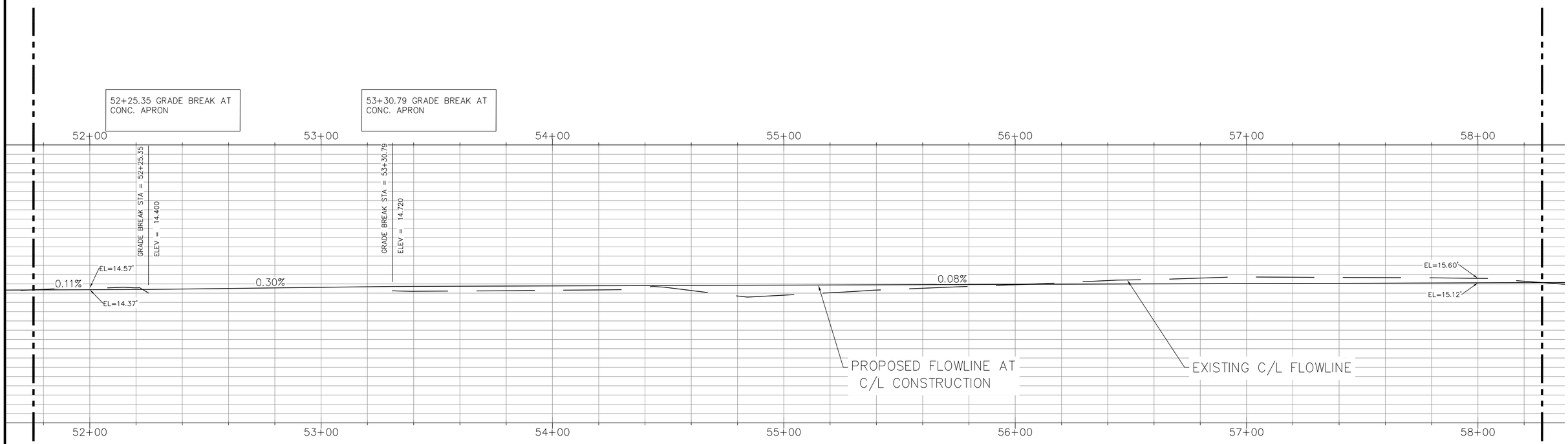
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 13 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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BASIS OF STATIONING

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MARK	DATE	ITEM
REVISIONS		

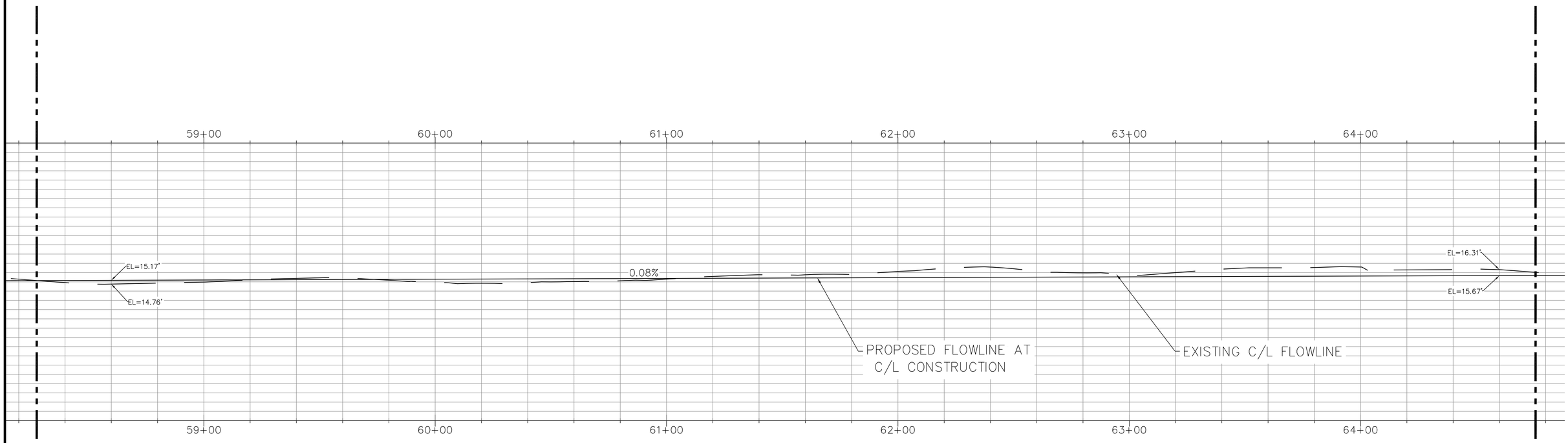
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 14 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+49.92
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 14

MATCHLINE - SEE SHEET 16

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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BASIS OF STATIONING

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U.S. Survey Foot

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

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

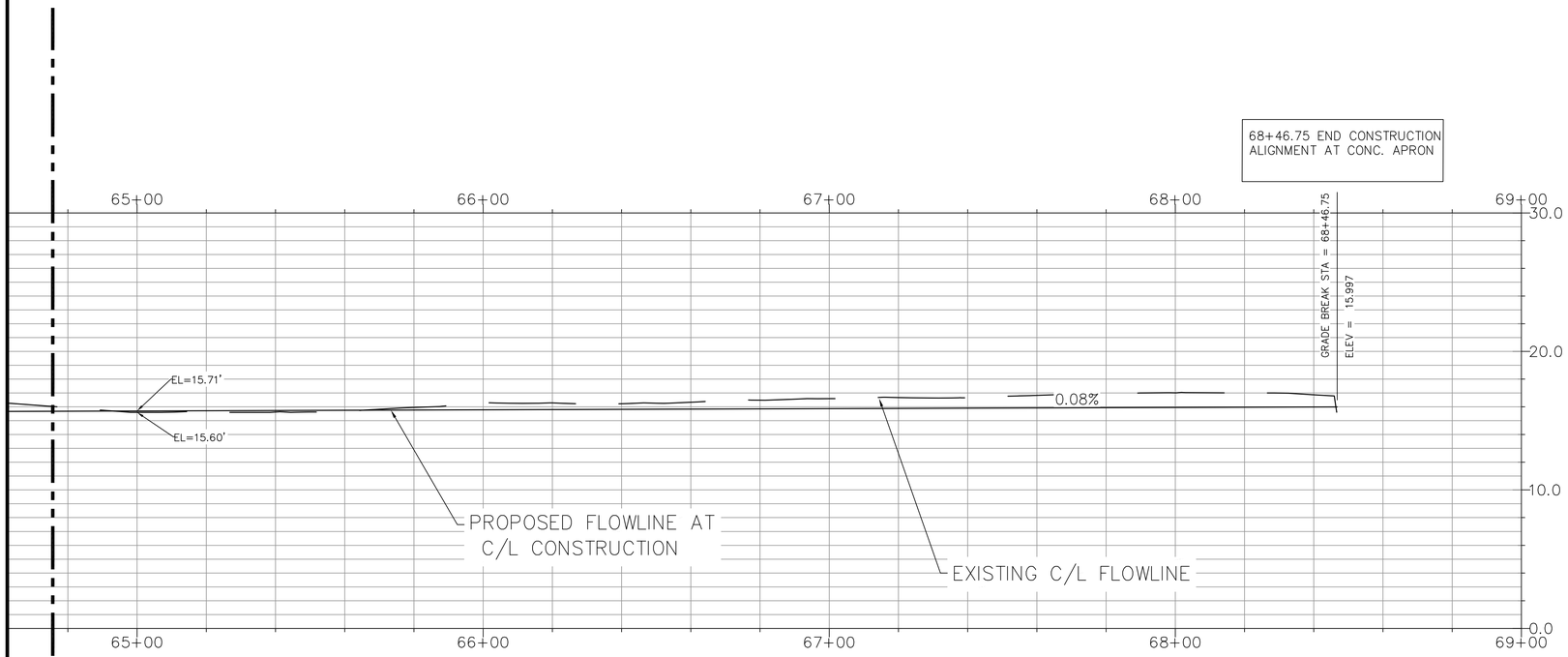
OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:		BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO.
15
of
34

OCEAN VIEW CHANNEL PROFILE
STA 27+57.86 TO 68+46.75
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 15

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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MARK	DATE	ITEM
REVISIONS		

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

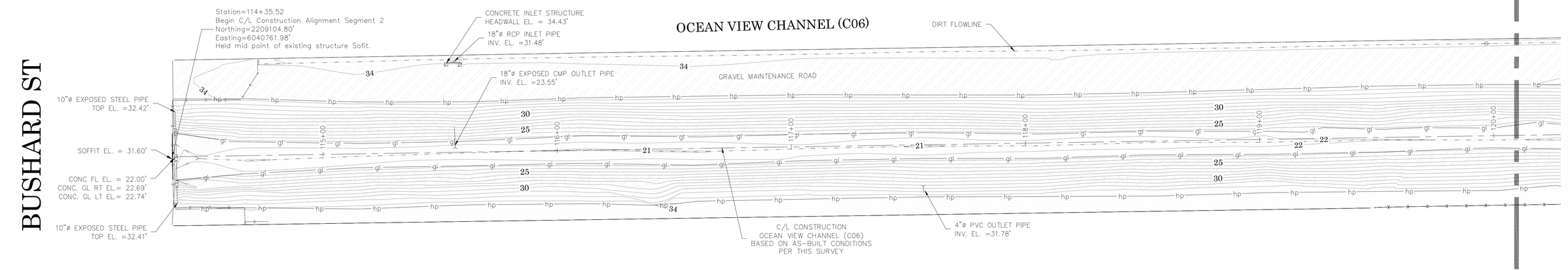
OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD
TO: NEWHOPE STREET

DATE OF SURVEY:	BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: 1" = 20' | W.O. #EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG	

SHEET NO. 16 of 34



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
MHHUN	Manhole - Undefined
MWL	Monitoring Well
PBXEL	Pullbox - Electrical
PBXUN	Pullbox - Undefined
PCN	Pier Column
PPI/PPO	Pipe Inlet / Pipe Oulet
PST	Post
UG1	Utility Pole
VLTEL	Vault - Electrical
VLTUN	Vault - Undefined
VLTWA	Vault - Water
VPP	Vent Pipe
VLVWA	Water Valve

LINE PATTERN KEY

- Block Wall
- Centerline
- Edge of Asphalt Pavement
- Fence - Chain Link
- Flowline
- Gradeline
- Head Wall
- Hinge Point
- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD
TO: NEWHOPE STREET

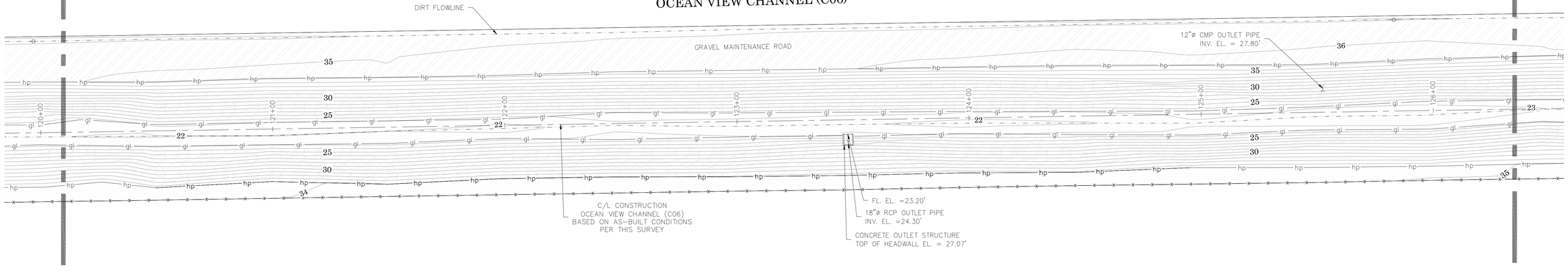
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-OP0003
FILE: OCEAN_VIEW_2018_TOPO.DWG	

SHEET NO. 17 of 34

SEE SHEET 17

SEE SHEET 19

OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
MHHUN	Manhole - Undefined
MWL	Monitoring Well
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LINE PATTERN KEY

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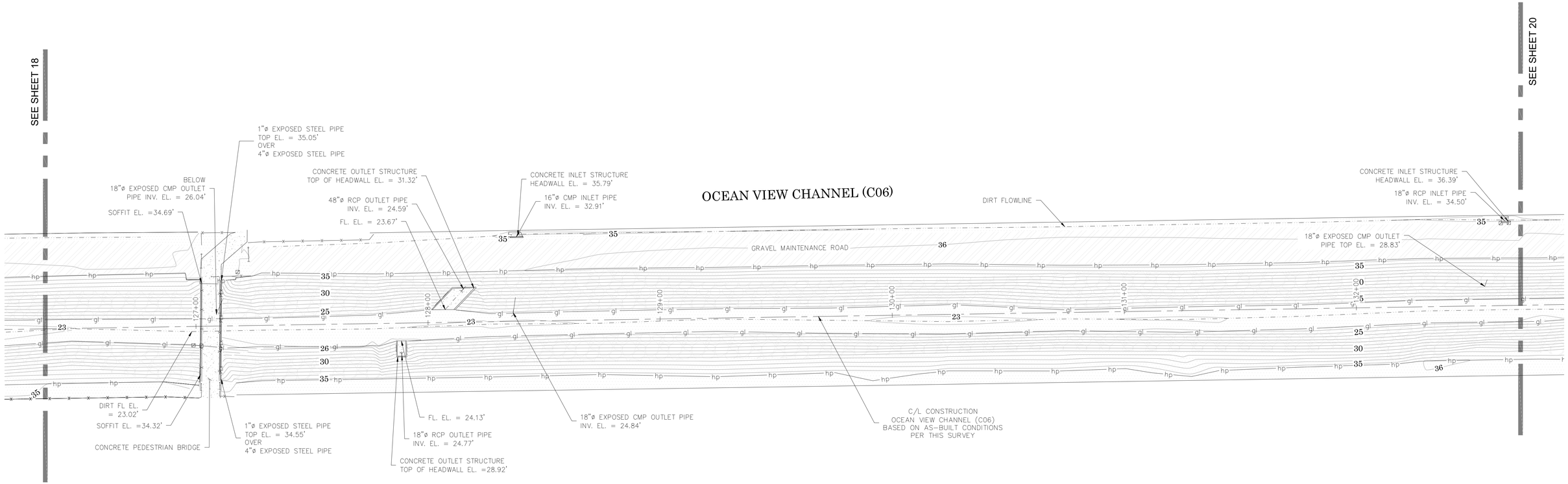
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	SHEET NO. 18 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

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		REVISIONS

COUNTY OF ORANGE
OC PUBLIC WORKS
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OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

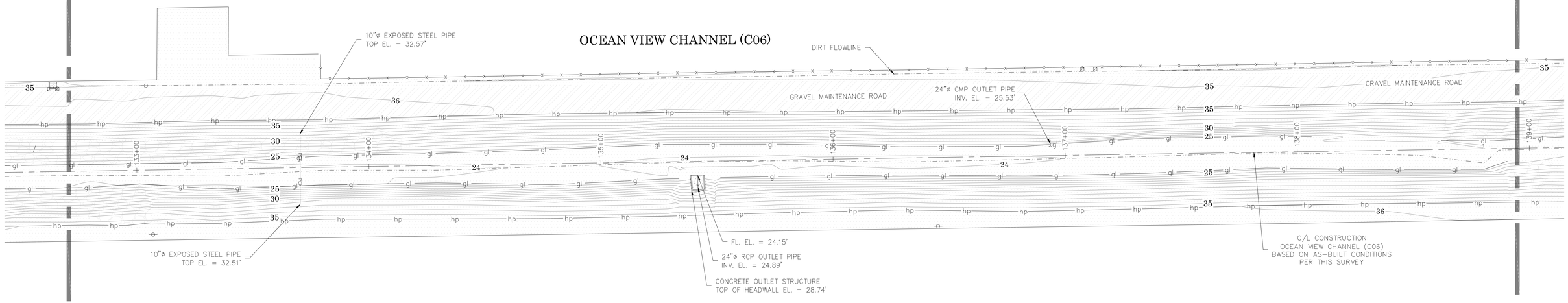
FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 19 of 34

SEE SHEET 19

SEE SHEET 21

OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. Survey Foot

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

LEGEND

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Hinge Point
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Retaining Wall
Wall as Noted
EXPOSED PIPE

AREA PATTERN KEY

Concrete
Dirt
Gravel
Rip Rap

MARK	DATE	ITEM
REVISIONS		

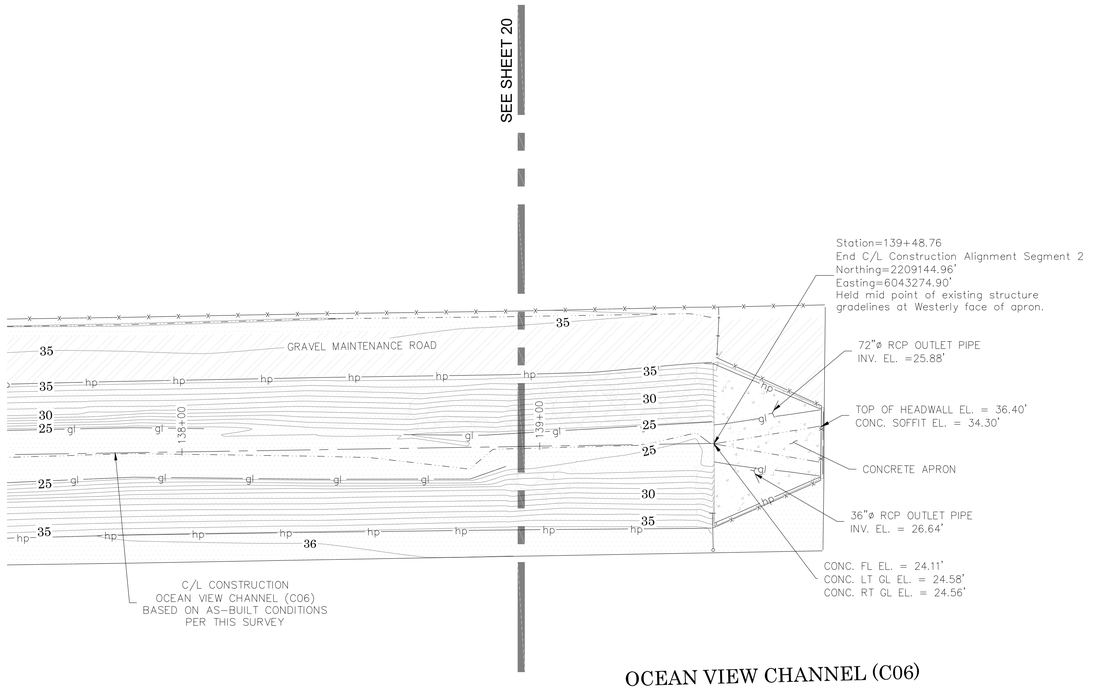
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

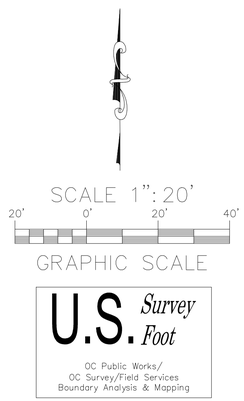
FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 20 of 34



OCEAN VIEW CHANNEL (C06)

BROOKHURST ST



LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double	
SGT	Gate, Single	
GYA	Guy Anchor	
MHHUN	Manhole - Undefined	
MWL	Monitoring Well	
PBXEL	Pullbox - Electrical	
PBXUN	Pullbox - Undefined	
PCN	Pier Column	
PPI/PPO	Pipe Inlet / Pipe Oulet	
PST	Post	
UG1	Utility Pole	
VLTEL	Vault - Electrical	
VLTUN	Vault - Undefined	
VLTWA	Vault - Water	
VPP	Vent Pipe	
VLVWA	Water Valve	

LINE PATTERN KEY

- Block Wall
- Centerline
- Edge of Asphalt Pavement
- Fence - Chain Link
- Flowline
- Gradeline
- Head Wall
- Hinge Point
- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe

MARK	DATE	ITEM
REVISIONS		

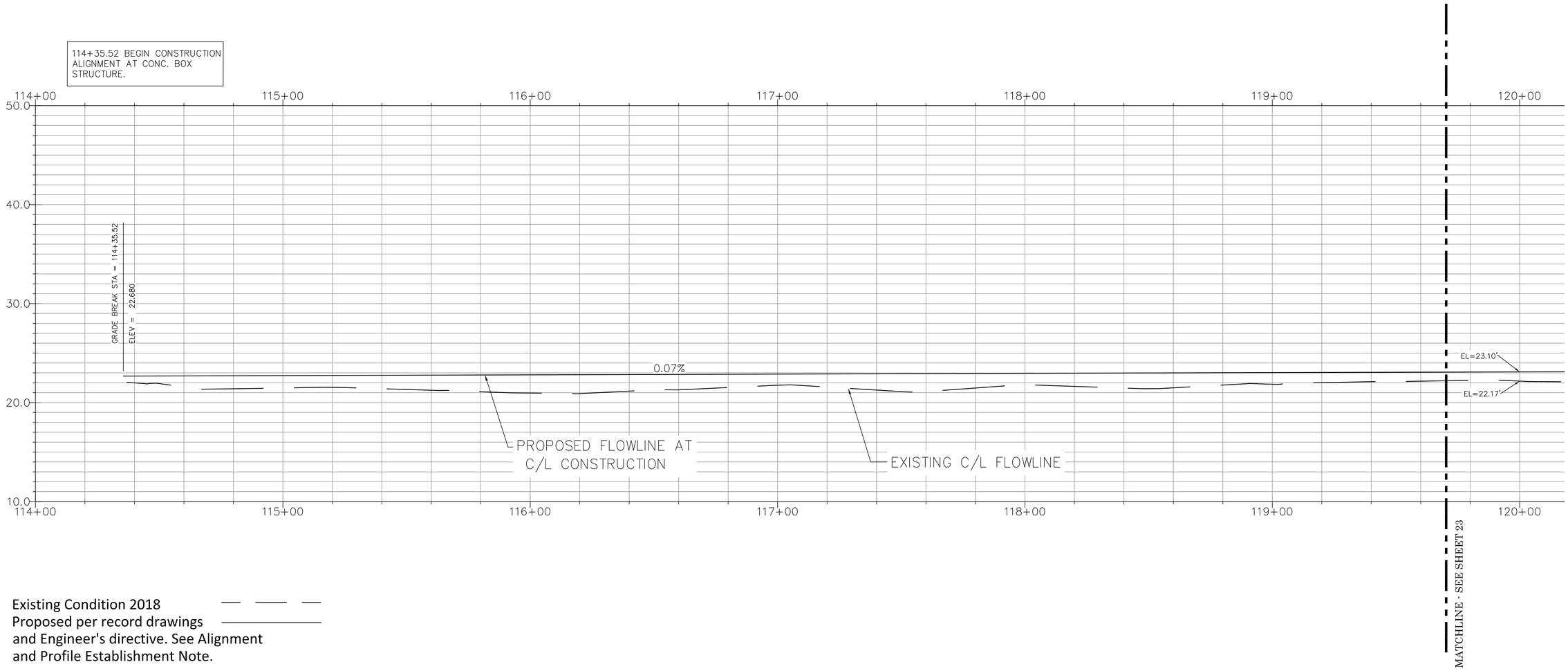
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	SHEET NO. 21 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 114+35.52 TO 139+48.76
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — — —

Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*

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

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

SAID ALIGNMENT IS REFERENCED IN THE TOPOGRAPHIC MAP SHEETS AS "CONSTRUCTION CENTERLINE – OCEAN VIEW CHANNEL (E06)".

BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

MARK	DATE	ITEM
REVISIONS		

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

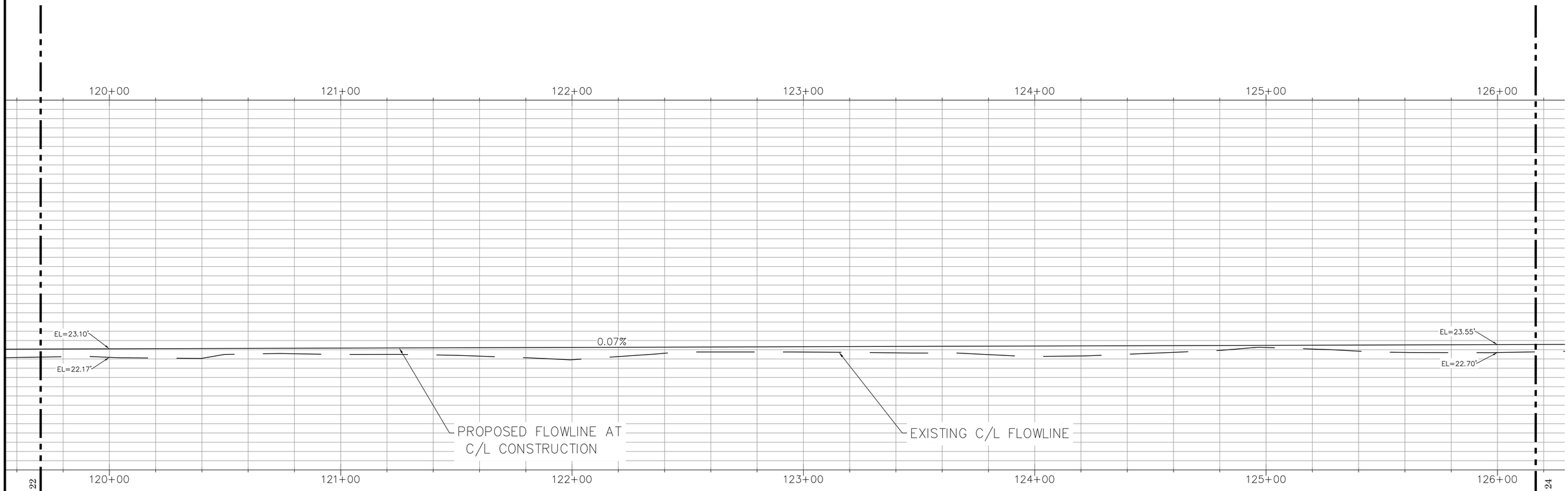
OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:		BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-OP0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 22 of 34

OCEAN VIEW CHANNEL PROFILE
STA 114+35.52 TO 139+48.76
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

U.S. *Survey Foot*

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

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

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BASIS OF STATIONING

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MARK	DATE	ITEM
REVISIONS		

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

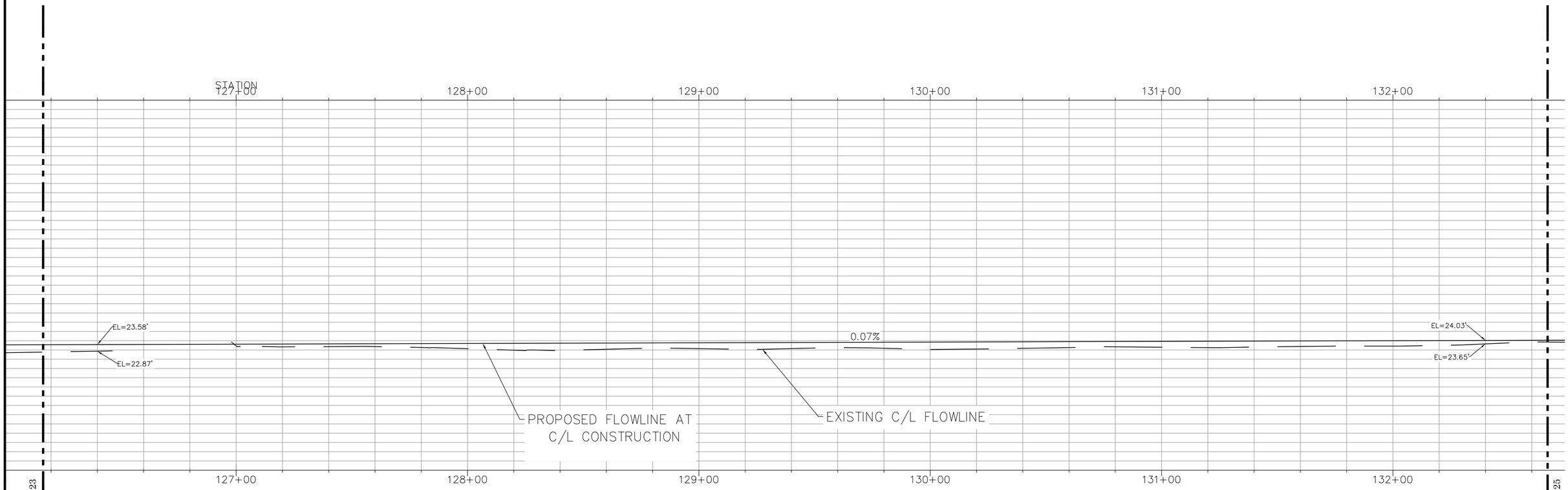
OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:		BY: MBI./WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI./WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-OP0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 23 of 34

OCEAN VIEW CHANNEL PROFILE
STA 114+35.52 TO 139+48.76
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

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BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

U.S. *Survey Foot*

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

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

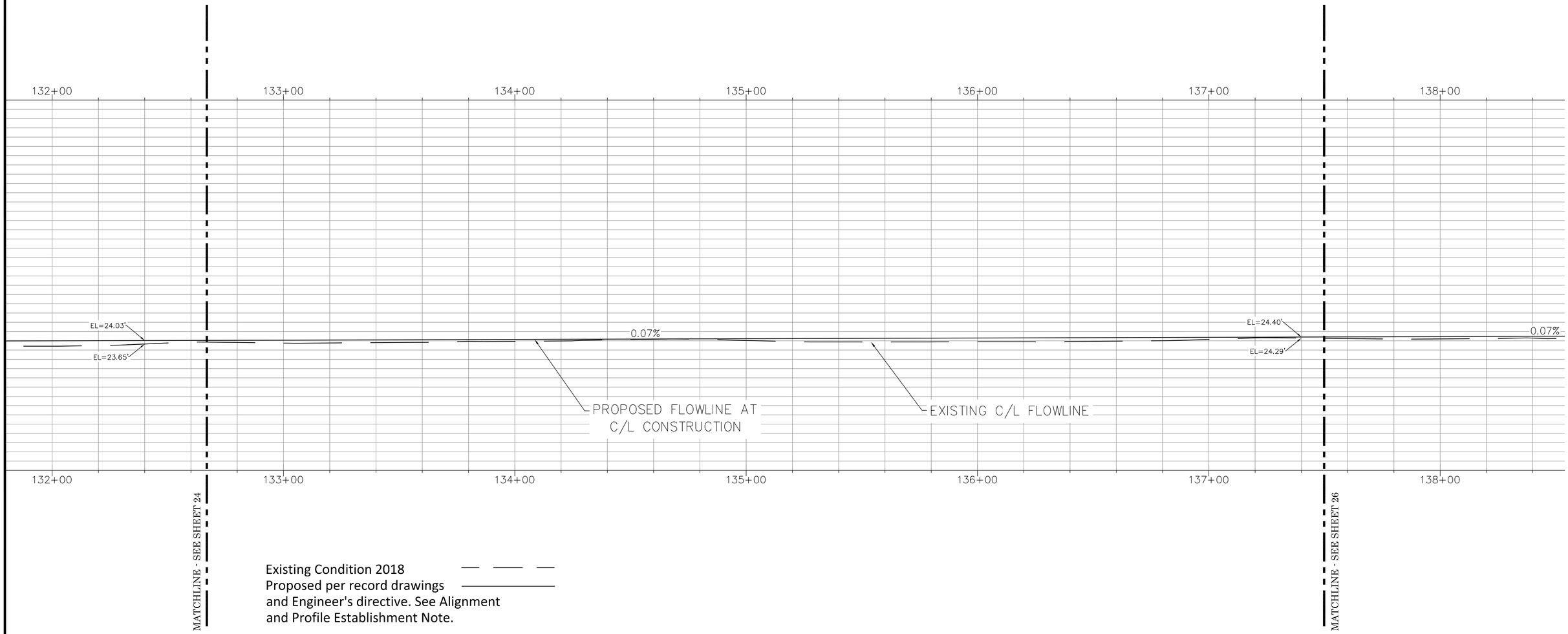
TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD
TO: NEWHOPE STREET

DATE OF SURVEY:	BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW-OP0003
FILE: OCEAN VIEW_2018_TOPO.DWG	

SHEET NO. 24 of 34

OCEAN VIEW CHANNEL PROFILE
STA 114+35.52 TO 139+48.76
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

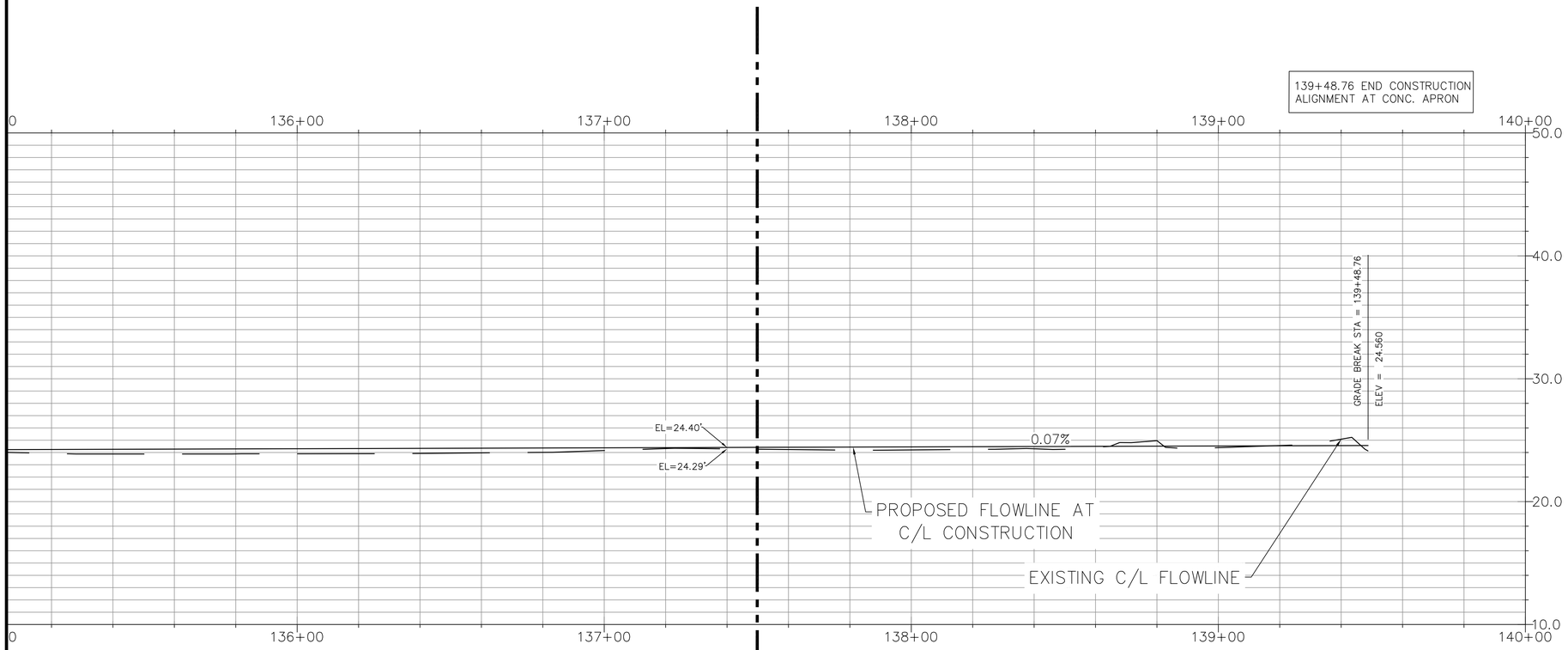
TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD
TO: NEWHOPE STREET

DATE OF SURVEY:		BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 25 of 34

OCEAN VIEW CHANNEL PROFILE
STA 114+35.52 TO 139+48.76
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



MATCHLINE - SEE SHEET 25

Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*

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

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

SAID ALIGNMENT IS REFERENCED IN THE TOPOGRAPHIC MAP SHEETS AS "CONSTRUCTION CENTERLINE – OCEAN VIEW CHANNEL (E06)".

BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

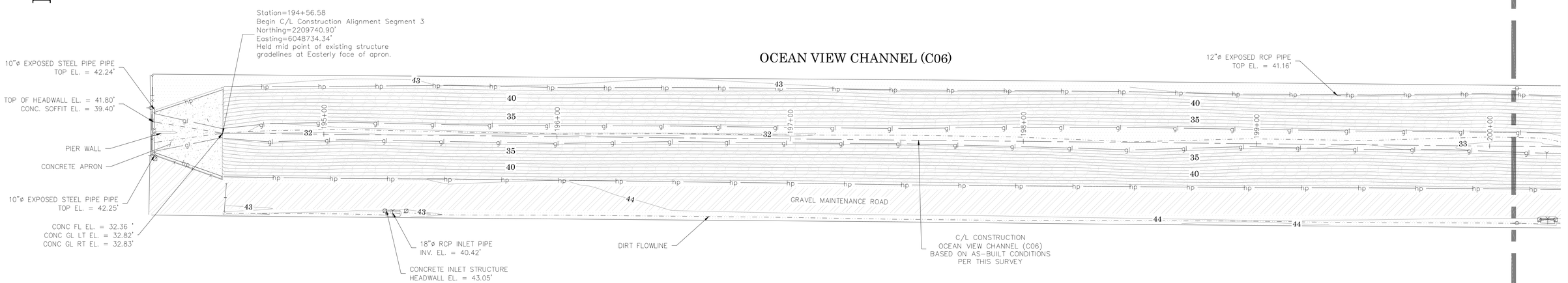
TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:		BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 26 of 34

EUCLID ST.

OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. Survey Foot

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
MHHUN	Manhole - Undefined
MWL	Monitoring Well
PBXEL	Pullbox - Electrical
PBXUN	Pullbox - Undefined
PCN	Pier Column
PPI/PPO	Pipe Inlet / Pipe Oulet
PST	Post
UG1	Utility Pole
VLTEL	Vault - Electrical
VLTUN	Vault - Undefined
VLTWA	Vault - Water
VPP	Vent Pipe
VLVWA	Water Valve

ABBREVIATIONS

CMP	Corrogated Metal Pipe
PVC	Polyvinyl Chloride Pipe
RCP	Reinforced Concrete Pipe

LINE PATTERN KEY

Block Wall
Centerline
Edge of Asphalt Pavement
Fence - Chain Link
Flowline
Gradeline
Head Wall
Hinge Point
Lot Line
Right of Way
Retaining Wall
Wall as Noted
EXPOSED PIPE

AREA PATTERN KEY

Concrete
Dirt
Gravel
Rip Rap

MARK	DATE	ITEM
REVISIONS		

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

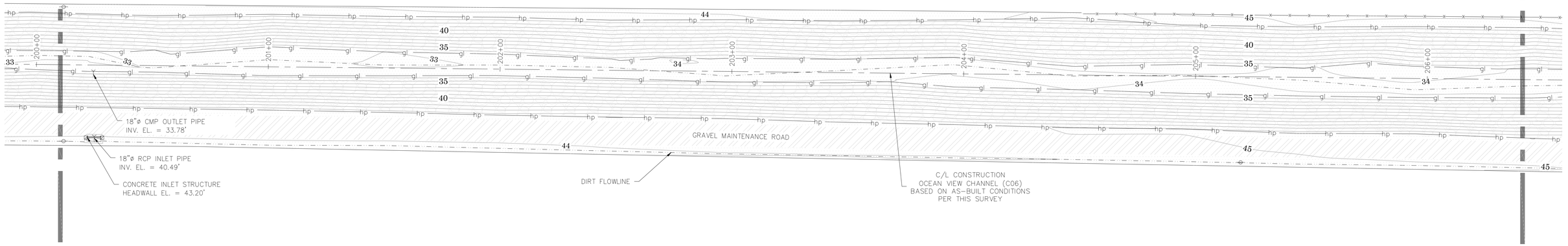
FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018		BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 27 of 34

SEE SHEET 27

SEE SHEET 29

OCEAN VIEW CHANNEL (C06)



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

DGT	Gate, Double
SGT	Gate, Single
GYA	Guy Anchor
MHHUN	Manhole - Undefined
MWL	Monitoring Well
PBXEL	Pullbox - Electrical
PBXUN	Pullbox - Undefined
PCN	Pier Column
PPI/PPO	Pipe Inlet / Pipe Oulet
PST	Post
UG1	Utility Pole
VLTEL	Vault - Electrical
VLTUN	Vault - Undefined
VLTWA	Vault - Water
VPP	Vent Pipe
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LINE PATTERN KEY

- Block Wall
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- Head Wall
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- Lot Line
- Right of Way
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AREA PATTERN KEY

- Concrete
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- Gravel
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ABBREVIATIONS

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PVC	Polyvinyl Chloride Pipe
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MARK	DATE	ITEM
REVISIONS		

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

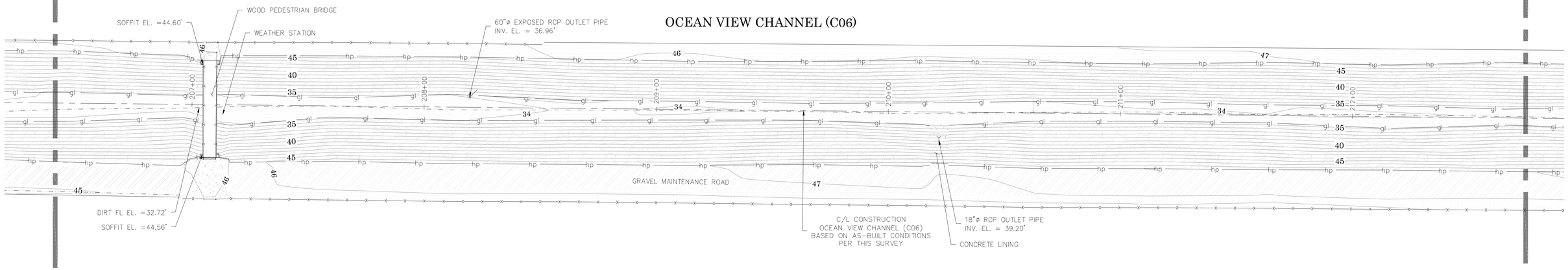
OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	SHEET NO. 28 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

SEE SHEET 28

SEE SHEET 30



SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

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SGT	Gate, Single
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AREA PATTERN KEY

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- Gravel
- Rip Rap

MARK	DATE	ITEM
REVISIONS		

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

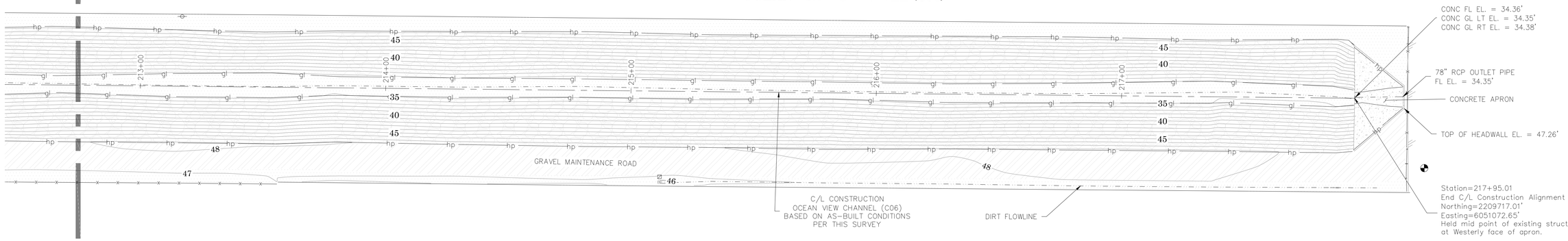
OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO	SHEET NO. 29 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O.# EF21238	FILE # 1819PW-0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

SEE SHEET 29

OCEAN VIEW CHANNEL (C06)



NEWHOPE ST.

SCALE 1": 20'

20' 0' 20' 40'

GRAPHIC SCALE

U.S. *Survey Foot*

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

LEGEND

SYMBOL PATTERN KEY

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- Lot Line
- Right of Way
- Retaining Wall
- Wall as Noted
- EXPOSED PIPE

AREA PATTERN KEY

- Concrete
- Dirt
- Gravel
- Rip Rap

MARK	DATE	ITEM
		REVISIONS

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

OCEAN VIEW CHANNEL (C06)
MAINTENANCE PROJECT

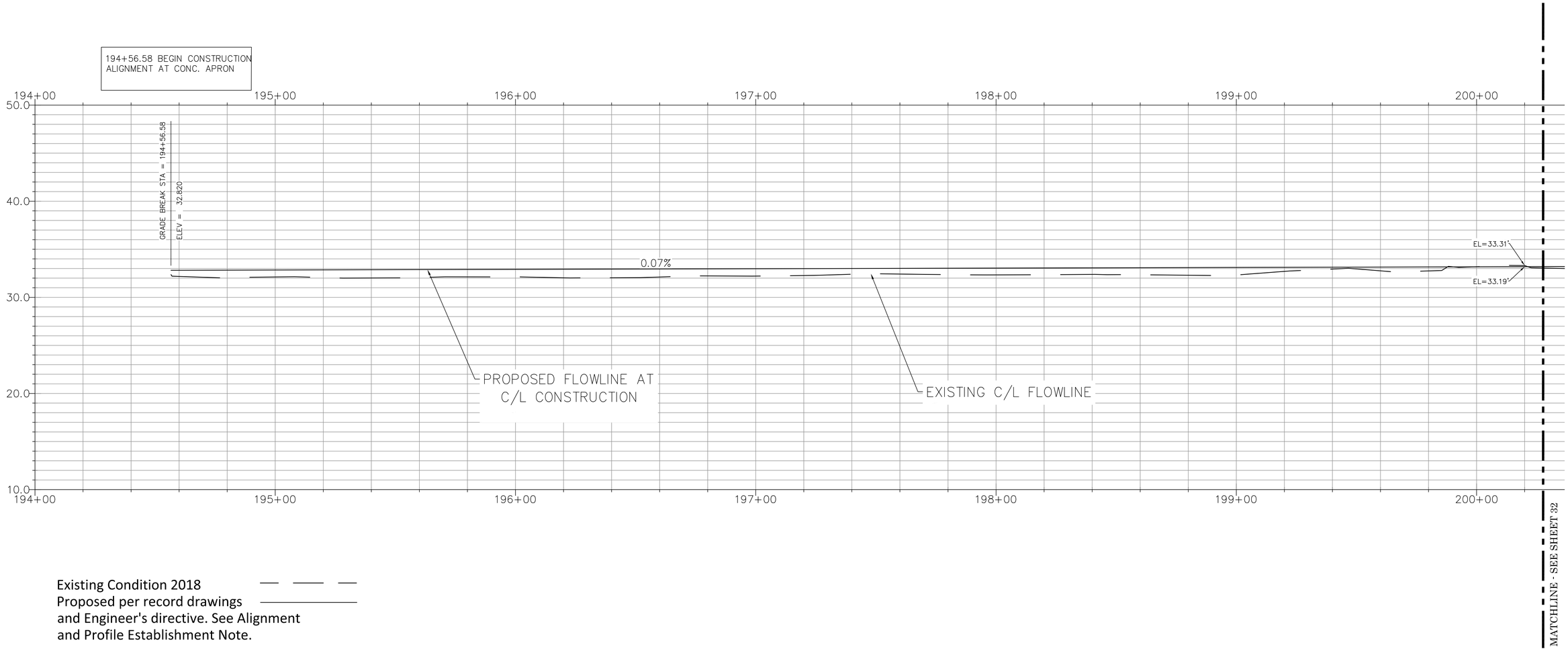
TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD
TO: NEWHOPE STREET

DATE OF SURVEY: NOVEMBER 2018	BY: MBI/WASHICKO
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK	BY: M. KUBISTY, PLS
FIELD CHECK	BY: MBI/WASCHICKO
SCALE: 1" = 20' | W.O.# EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG	

SHEET NO. 30 of 34

OCEAN VIEW CHANNEL PROFILE
STA 194+56.58 TO 217+95.01
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

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BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06-101-2-A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

MARK	DATE	ITEM
REVISIONS		

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

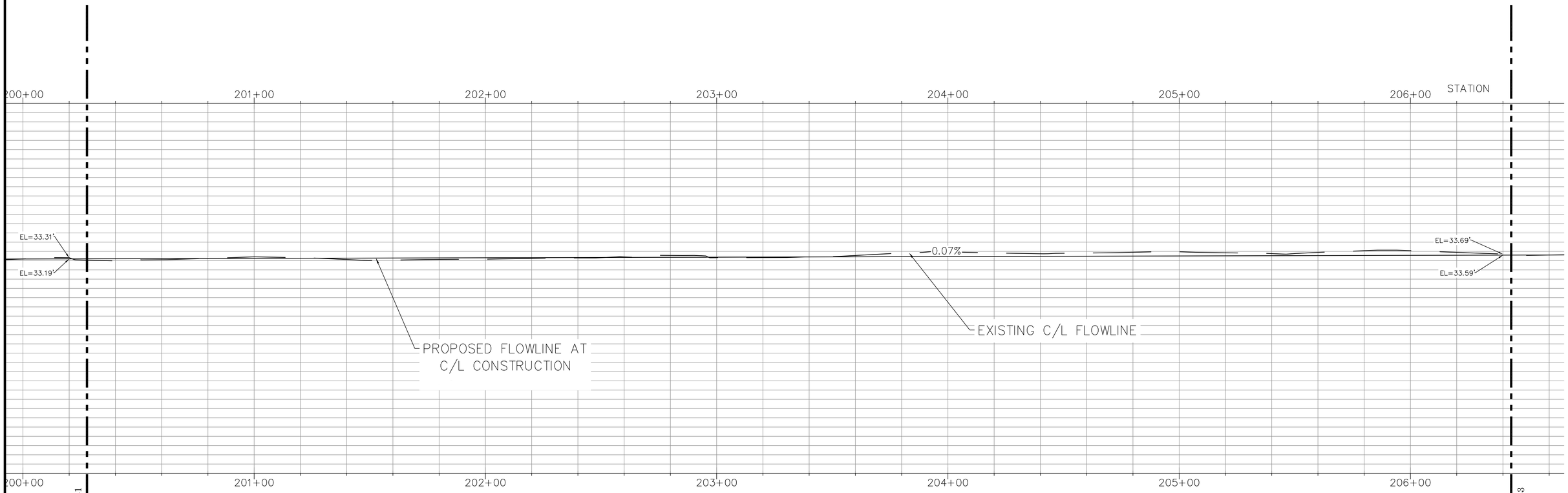
OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:		BY: MBI/WASCHICKO
TOPOGRAPHIC MAPPING		BY: AUSTRIA, PLS/BELTRAN
OFFICE CHECK		BY: M. KUBISTY, PLS
FIELD CHECK		BY: MBI/WASCHICKO
SCALE: 1" = 20'	W.O. #EF21238	FILE # 1819PW-0P0003
FILE: OCEAN VIEW_2018_TOPO.DWG		

SHEET NO. 31 of 34

OCEAN VIEW CHANNEL PROFILE
STA 194+56.58 TO 217+95.01
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings ————————
and Engineer's directive. See Alignment and Profile Establishment Note.

U.S. *Survey Foot*
OC Public Works/
OC Survey/Field Services
Boundary Analysis & Mapping

ALIGNMENT AND PROFILE ESTABLISHMENT NOTE

THE CENTERLINE ALIGNMENTS SHOWN HEREON WERE DERIVED BY HOLDING A BEST FIT OF RECORD ALIGNMENTS, PER RECORD PLANS LISTED BELOW, BETWEEN THE MID POINTS OF THE EXISTING CONCRETE STRUCTURES, PER DIRECTIVE FROM THE CIVIL ENGINEER FOR THIS PROJECT, ROWELL CASTRO, RCE.

SAID ALIGNMENT IS REFERENCED IN THE TOPOGRAPHIC MAP SHEETS AS "CONSTRUCTION CENTERLINE – OCEAN VIEW CHANNEL (E06)".

BASIS OF STATIONING

THE BASIS OF STATIONING IS DERIVED FROM RECORD DRAWING C06–101–2–A DATED: APRIL 1960 BEGINNING AT THE MID POINT OF THE MOST WESTERLY EXISTING CONCRETE STRUCTURE GRADELINES WITH STATION 27+57.86 AS SHOWN HEREON.

MARK	DATE	ITEM
REVISIONS		

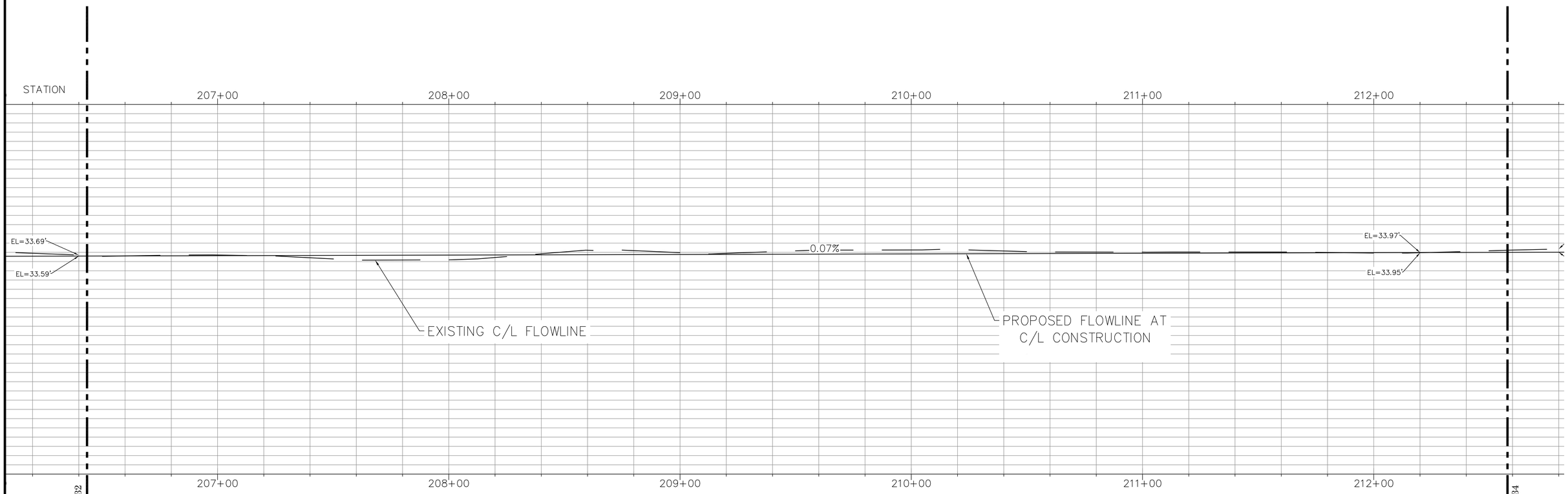
COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 32 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
FIELD CHECK	BY: MBI/WASCHICKO	
SCALE: 1" = 20' W.O. #EF21238	FILE # 1819PW–0P0003	
FILE: OCEAN VIEW_2018_TOPO.DWG		

OCEAN VIEW CHANNEL PROFILE
STA 194+56.58 TO 217+95.01
Vert. Scale 1"=5'
Horiz. Scale 1"=20'



Existing Condition 2018 — — —
Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*
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BASIS OF STATIONING

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COUNTY OF ORANGE
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OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

TOPOGRAPHIC MAP

FROM: BEACH BOULEVARD		
TO: NEWHOPE STREET		
DATE OF SURVEY:	BY: MBI/WASCHICKO	SHEET NO. 33 of 34
TOPOGRAPHIC MAPPING	BY: AUSTRIA, PLS/BELTRAN	
OFFICE CHECK	BY: M. KUBISTY, PLS	
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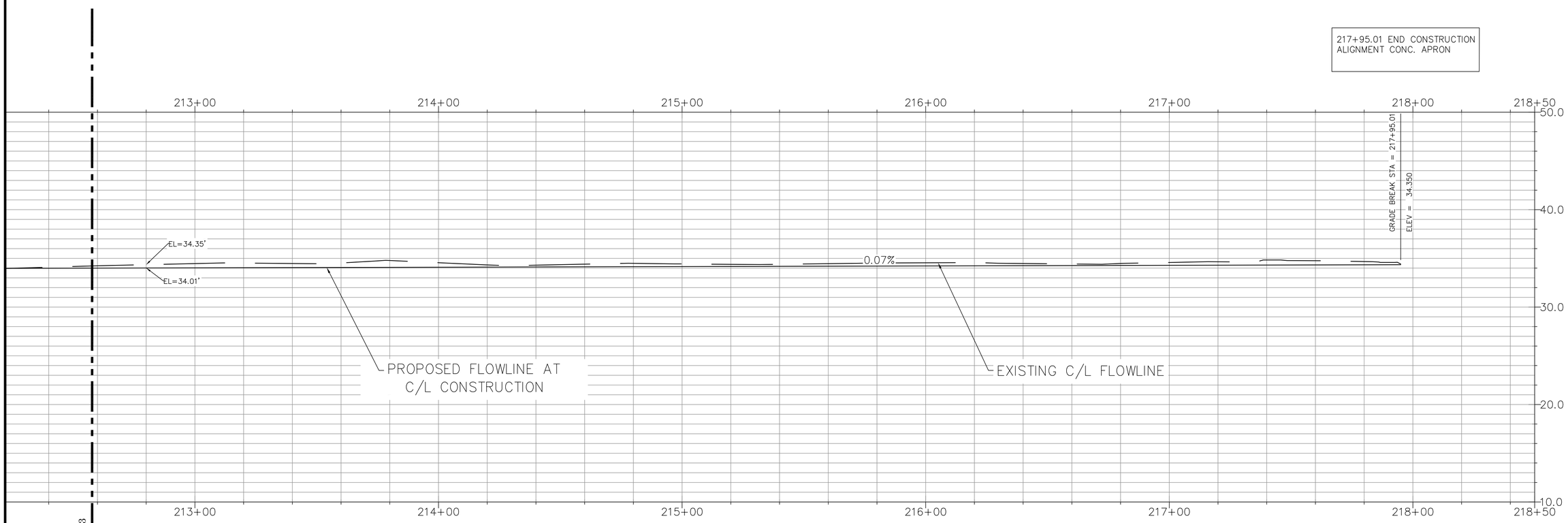

Existing Condition 2018 — — — —

Proposed per record drawings and Engineer's directive. See Alignment and Profile Establishment Note. ————————

U.S. *Survey Foot*

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

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OCEAN VIEW CHANNEL (C06) MAINTENANCE PROJECT

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SHEET NO. 34 of 34