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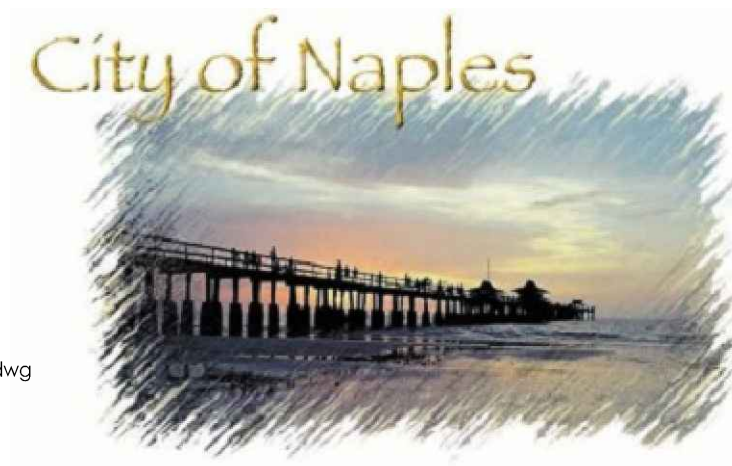
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Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_60-90% Drawings_Const. Access & Staging.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD

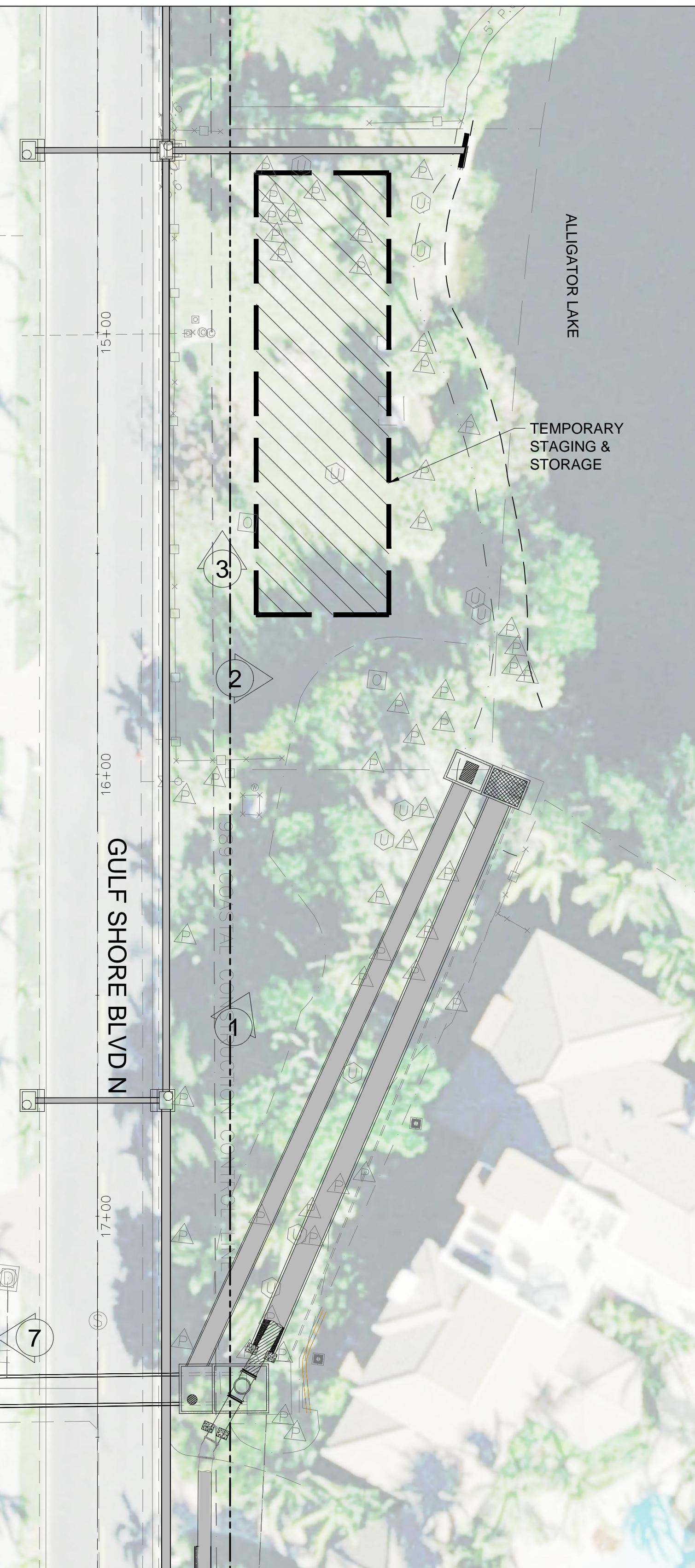


CONSTRUCTION ACCESS
& STAGING PLAN
3RD AVE N

Scale
AS NOTED

Revision

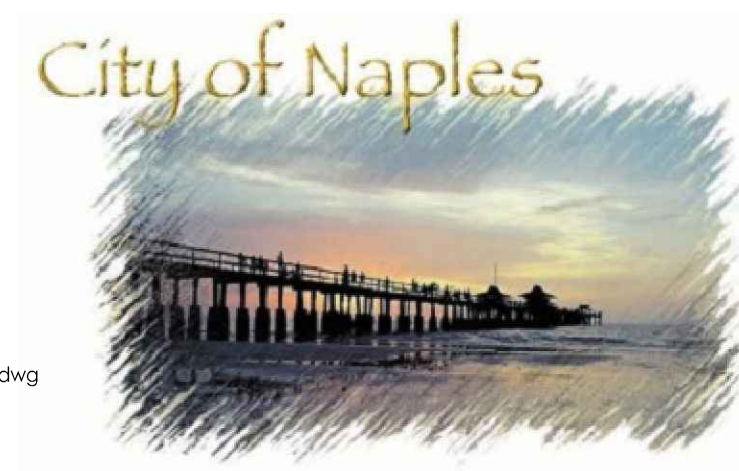
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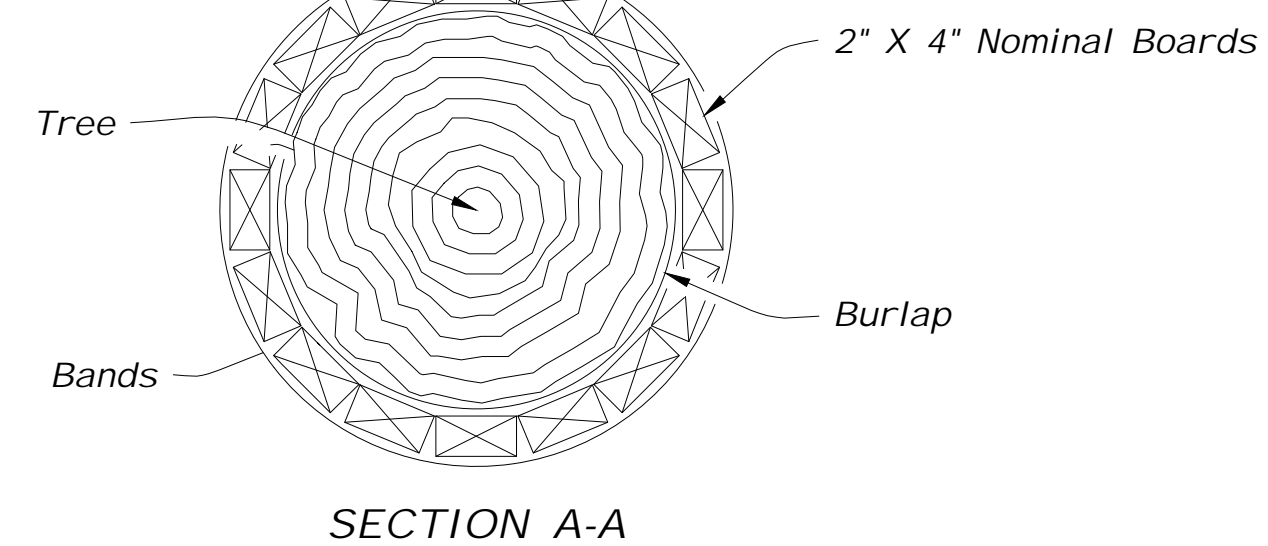
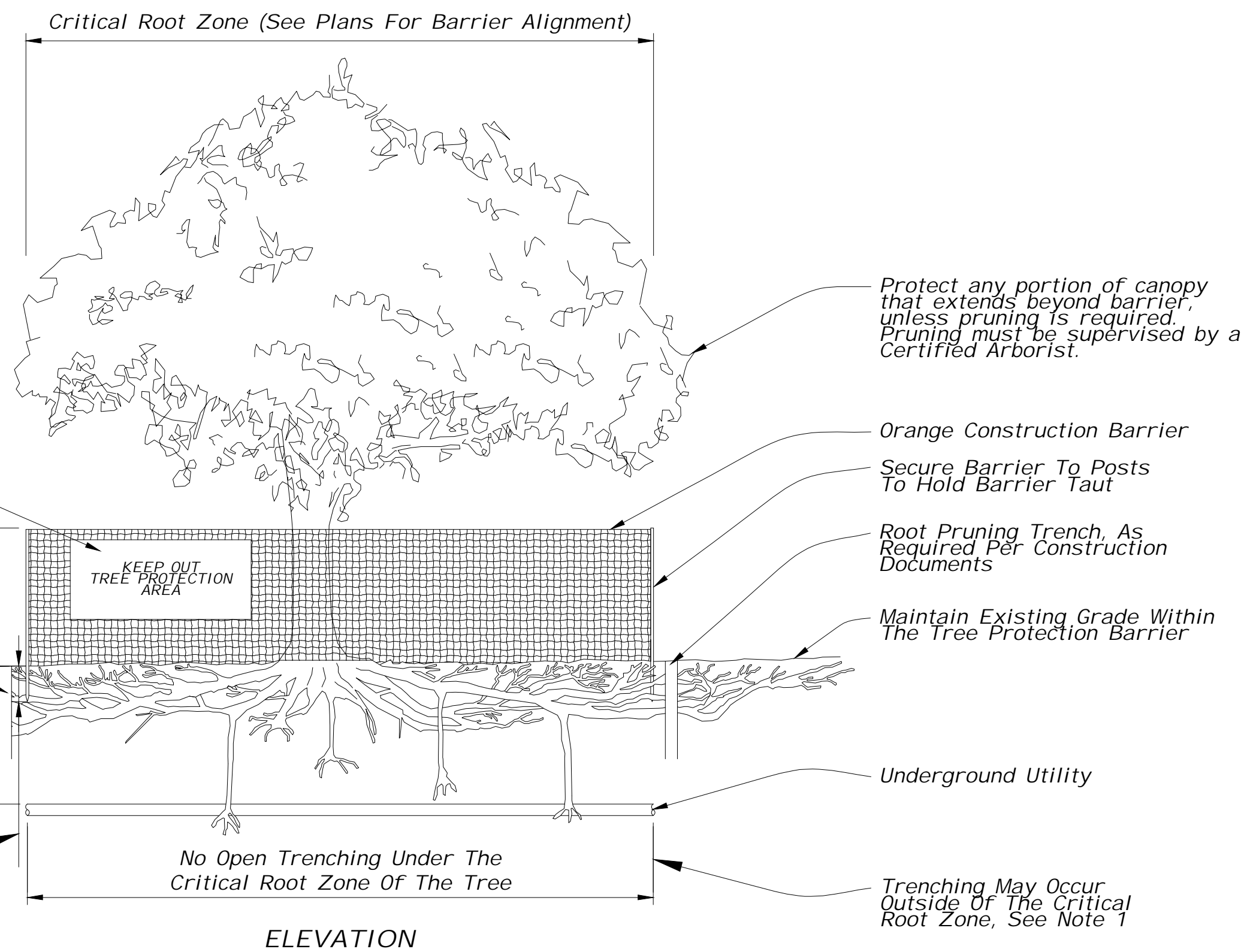
File Name:
16-329_Naples Outfalls 60-90% Drawings_Const. Access & Staging.dwg



Title		
CONSTRUCTION ACCESS & STAGING PLAN BEACH OVERTFLOW STRUCTURE		
Project No.	Scale	
20-380	AS NOTED	
Drawing No.	Sheet	Revision
AS	2	0

								<div><div>ECE</div><div>Erickson Consulting Engineers</div></div>				<div>Client/Project</div> <div>CITY OF NAPLES</div> <div>735 8th St S</div> <div>NAPLES, FL.</div> <div>Naples Beach Restoration & Water Quality Improvement Project</div>				<div>City of Naples</div> <div></div>				<div>Title</div> <div>CONSTRUCTION ACCESS & STAGING PLAN</div> <div>OFFSHORE DIFFUSER SYSTEM</div>							
								<div>7201 Delaney Court</div> <div>Sarasota, FL 32420</div> <div>www.ericksonconsultingengineers.com</div>				<div>File Name:</div> <div>16-329_Naples Outfalls_60-90% Drawings_Const. Access & Staging.dwg</div>															
								<div>Copyright Reserved</div> <div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Erickson Consulting Engineers (ECE) without delay. The Copyrights to all designs and drawings are the property of ECE. Reproduction or use for any purpose other than that authorized by ECE is forbidden.</div>																			
				<div>ISSUED 90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)</div>				<div>KME</div> <div>APPROVED</div> <div>22.04.15</div>								<div>Project No.</div> <div>20-380</div>				<div>Scale</div> <div>AS NOTED</div>							
				<div>ISSUED 75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)</div>				<div>KME</div> <div>APPROVED</div> <div>21.05.13</div>								<div>Drawing No.</div>				<div>Sheet</div>				<div>Revision</div>			
<div>Revision</div>								<div>By</div> <div>Appd.</div> <div>YY.MM.DD</div>								<div>AS</div>				<div>3</div>				<div>0</div>			

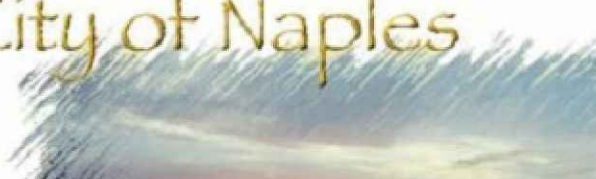
1. *Critical Root Zone: Extends in all directions from trunk of tree to a distance equal to one foot per inch of trunk diameter at breast height.*
2. *Staging, storage, dumping, washing and operation of equipment is not permitted within the limits of the tree protection barrier, including during barrier installation.*
3. *Install all tree protection prior to commencement of construction and remove when directed by the Engineer. Maintain protection at all times.*
4. *For closely spaced groups of trees, place the tree protection barrier around the entire group.*
5. *Inspect trunk protection and tree quarterly to prevent girdling. Adjust bands to allow tree growth as needed.*
6. *See plans for any additional requirements or modifications within the tree protection area.*
7. *Place weather resistant sign every 50' along the barrier, with 6" minimum text height and provide text in English and Spanish. Sign should read "Keep Out Tree Protection Area".*
8. *Alternate tree protection systems approved by the Engineer may be used in lieu of the tree protection barrier detailed on this Index as long as the critical root zone is protected.*
9. *The Critical Root Zone may be reduced, in the field, by a certified Arborist or Landscape Architect.*



- NOTES:**
1. Trunk protection may be used when Tree Protection Barrier can not be reasonably erected, when approved by Engineer.
 2. See Selective Clearing and Grubbing Plan for location of trunk protection, when applicable.
 3. Adjust bands to allow tree growth (inspect quarterly to prevent girdling).

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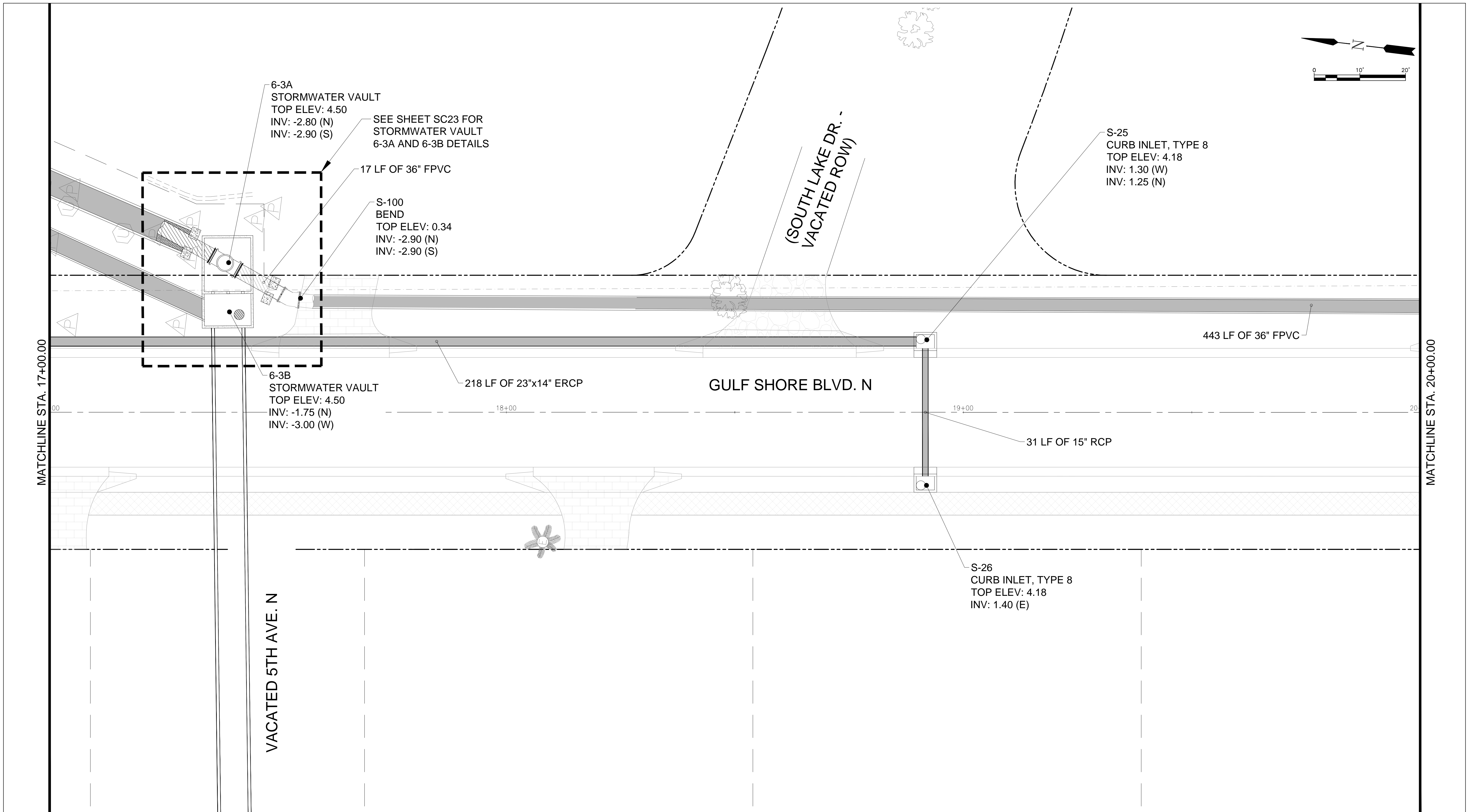
City of Naples

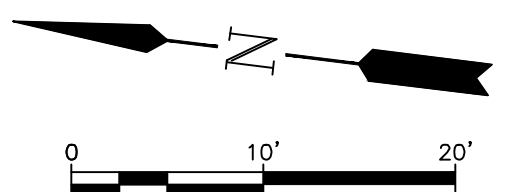


Title		
CONSTRUCTION ACCESS & STAGING PLAN TREE PROTECTION DETAILS		
Project No. 20-380	Scale AS NOTED	
Drawing No.	Sheet	Revision
AS	4	0

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RevisionISSUED 90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)

ISSUED 75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)

KME APPROVED 22.04.15

KME APPROVED 21.05.13



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& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY.MM.DD

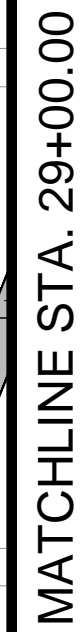


Revision

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	KME	APPROVED	22.04.15
	KME	APPROVED	21.05.13
	By	Appd.	YY.MM.DD



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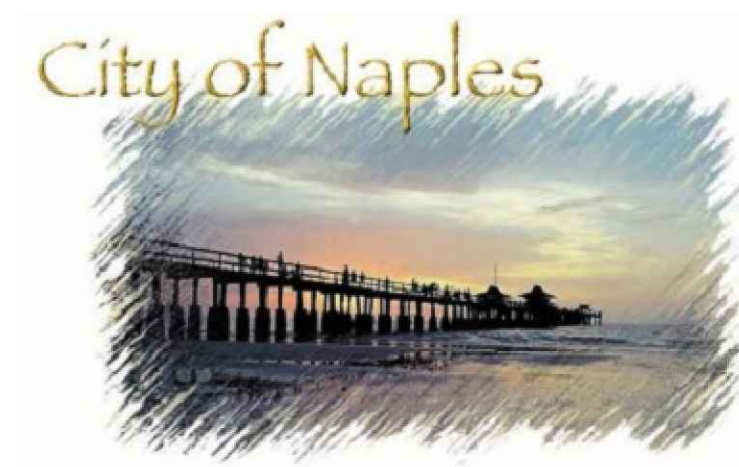
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

STORMWATER CONSOLIDATION
PLAN VIEW
STA. 26+00 - 29+00

Project No.
16-329

Drawing No.

SC

Scale

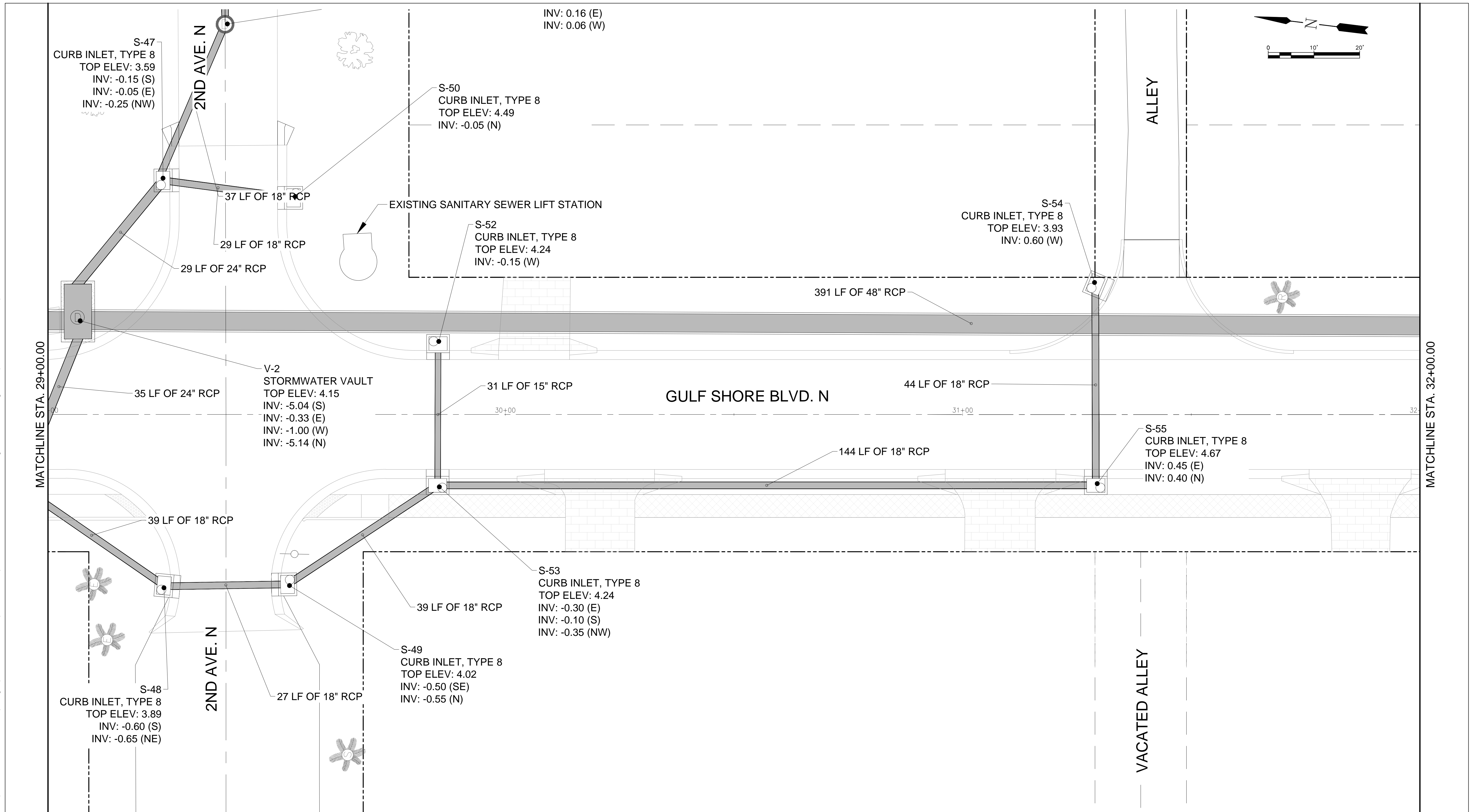
AS NOTED

Sheet

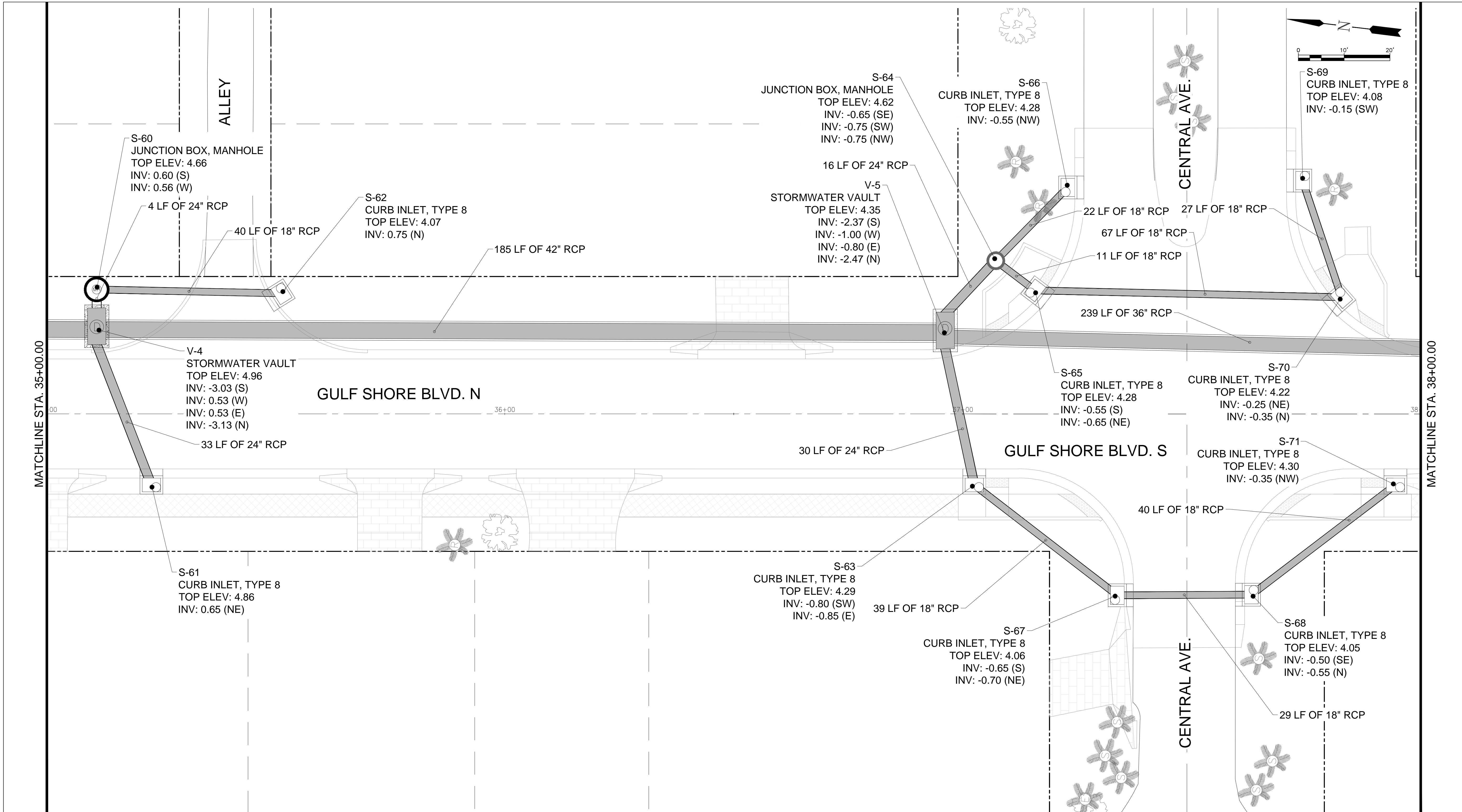
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Revision

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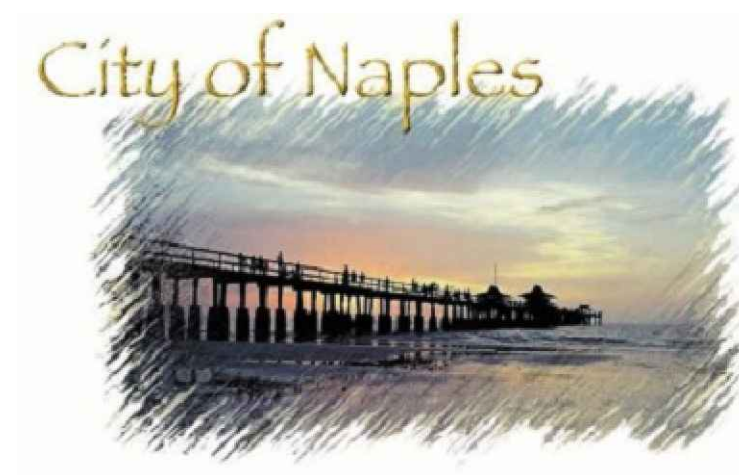
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

STORMWATER CONSOLIDATION
PLAN VIEW
STA. 35+00 - 38+00

Project No.
16-329

Scale
AS NOTED

Drawing No.

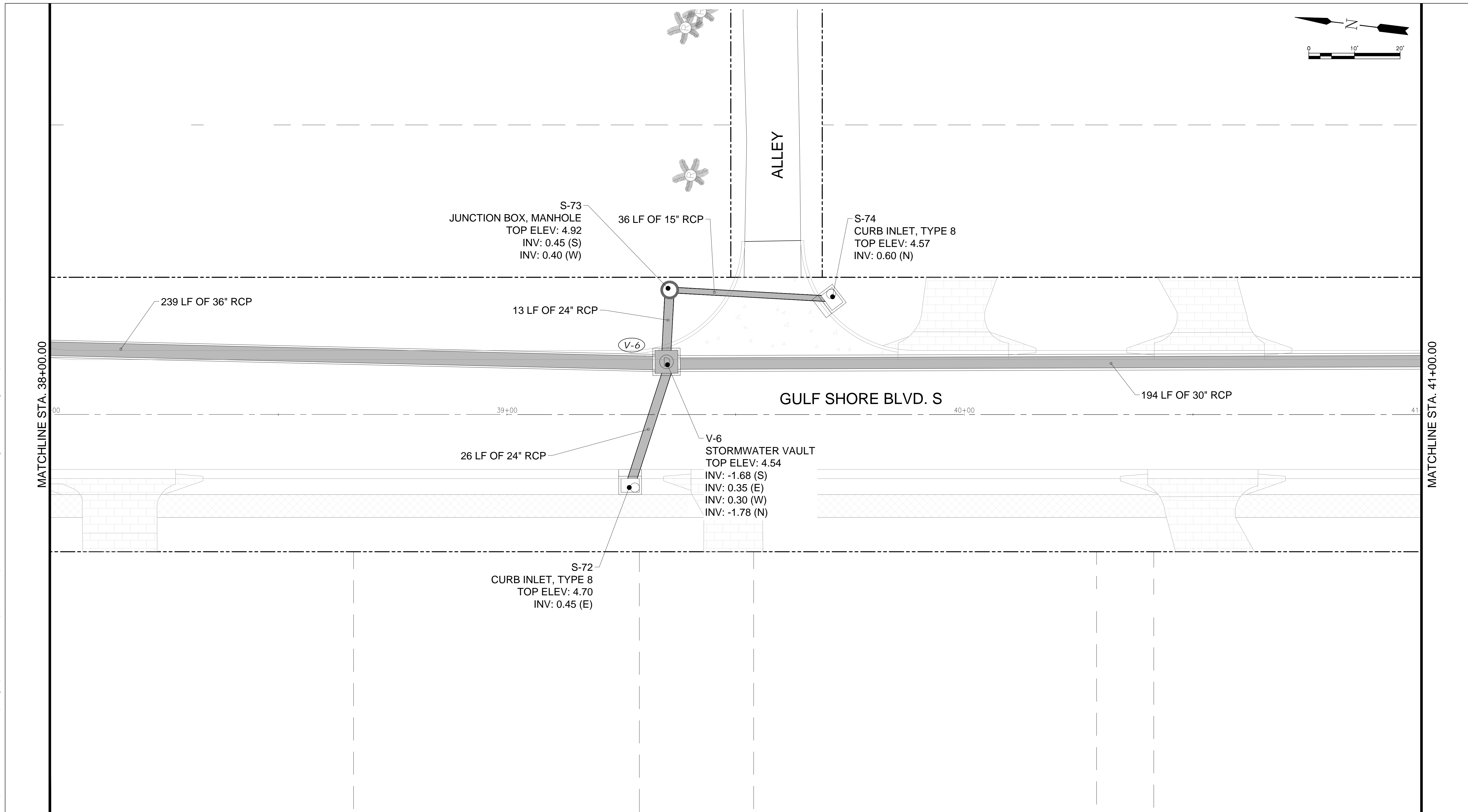
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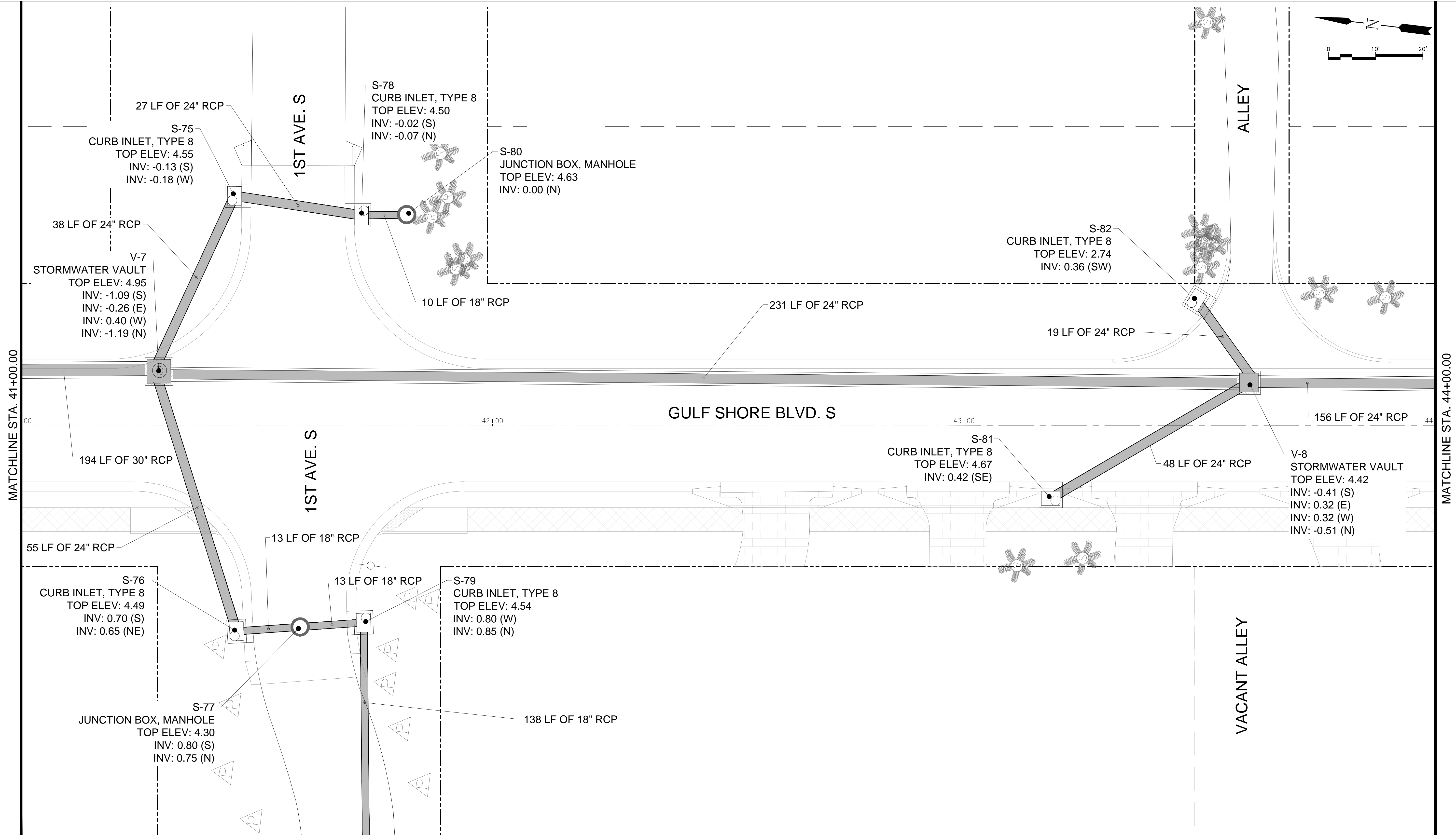
Revision

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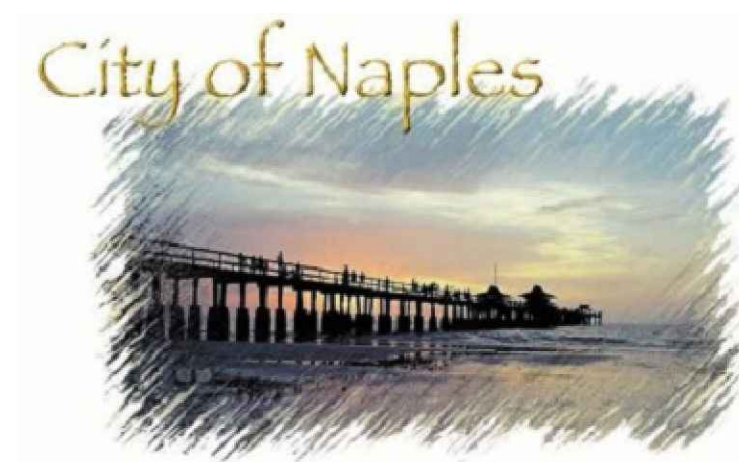
Client/Project

CITY OF NAPLES
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Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

STORMWATER CONSOLIDATION
PLAN VIEW
STA. 41+00 - 44+00

Project No.
16-329

Scale
AS NOTED

Drawing No.

Sheet

Revision

SC

11

0

MM.DD

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JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY-MM-DD

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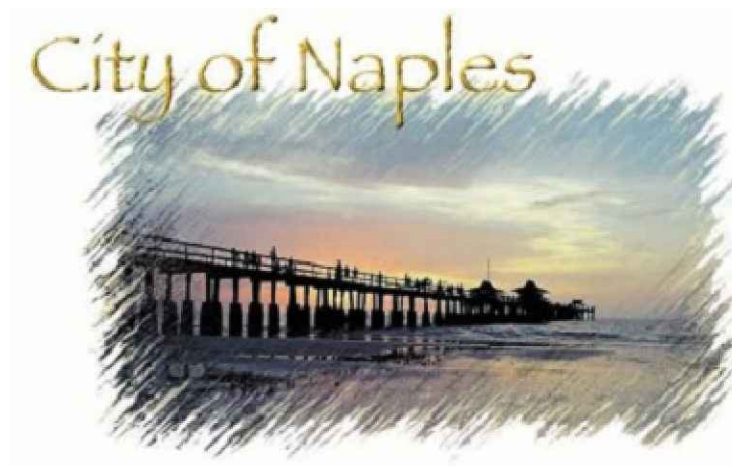
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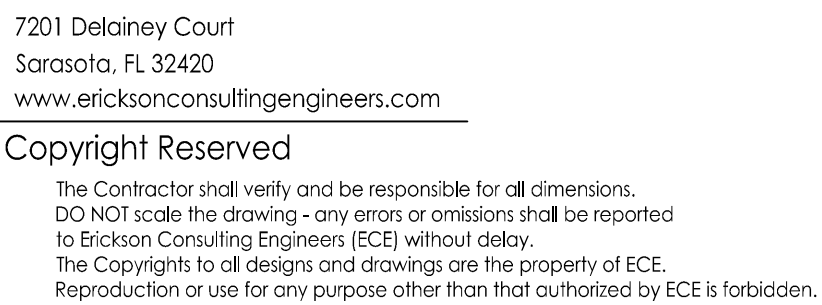
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I6-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD

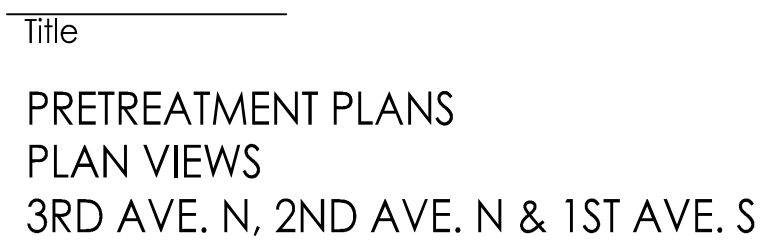


Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
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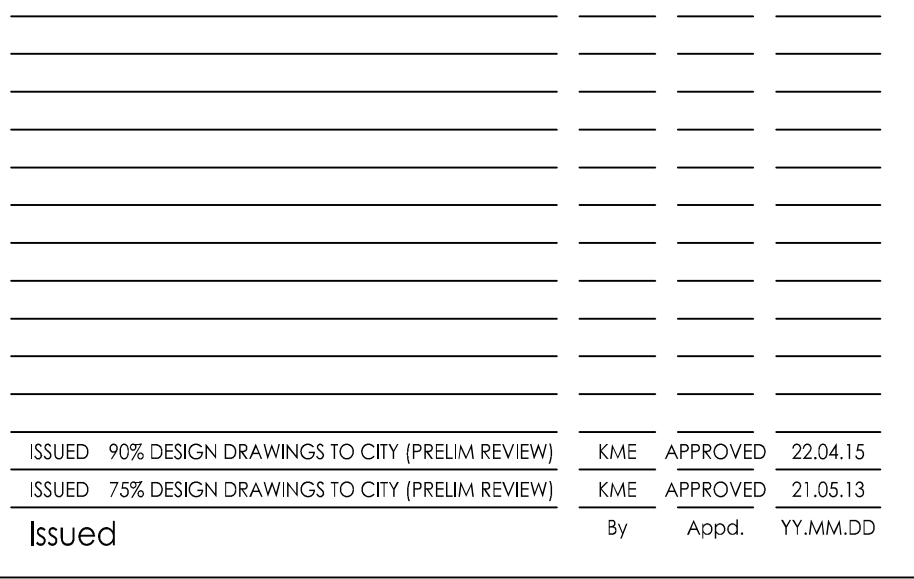
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JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Project No.	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	14	0

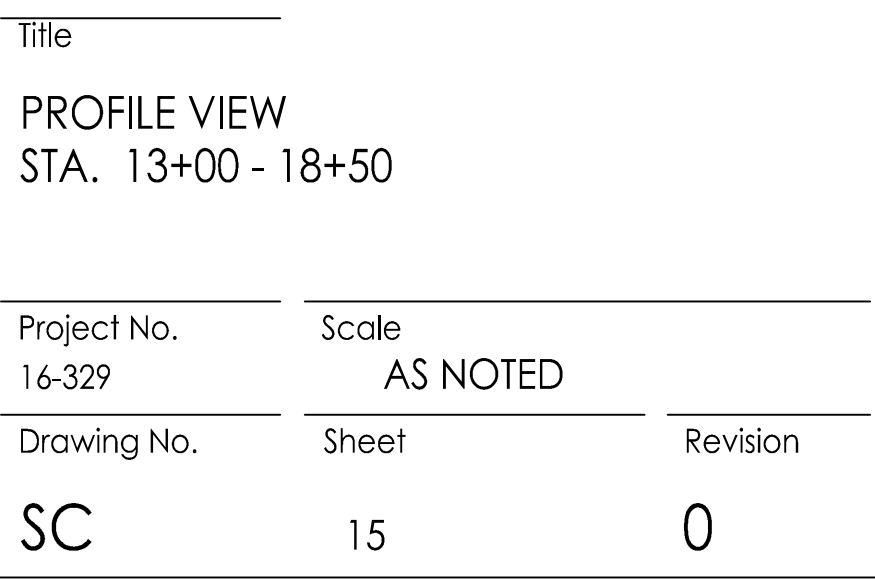


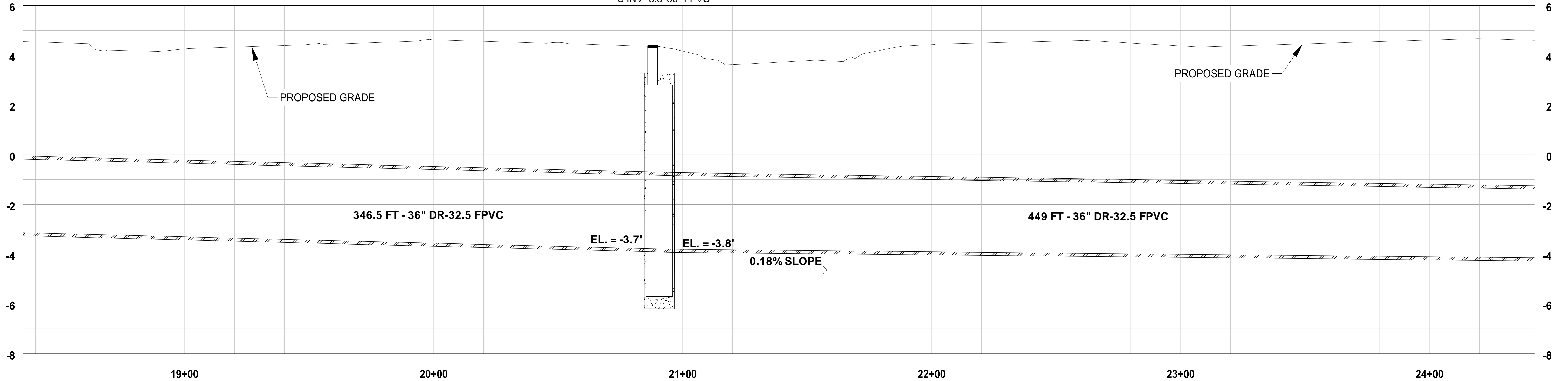
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JAW	SMT	KME	21.06.01
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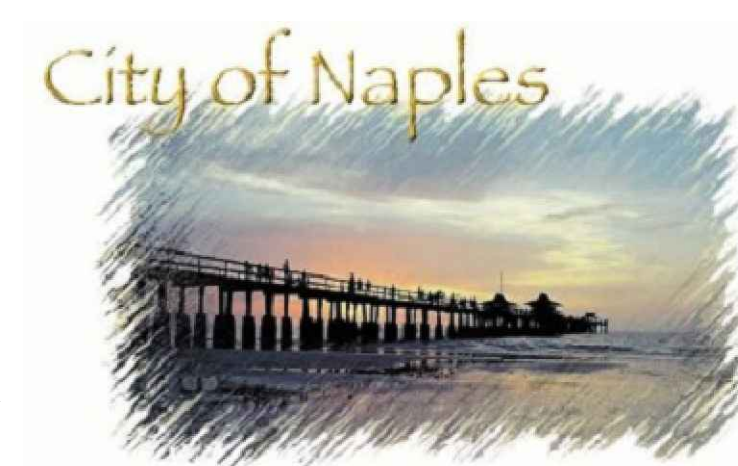
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_60-90% Drawings_SW-Profile.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY.MM.DD



Title

PROFILE VIEW
STA. 18+50 - 24+00

Project No.
16-329

Scale
AS NOTED

Drawing No.

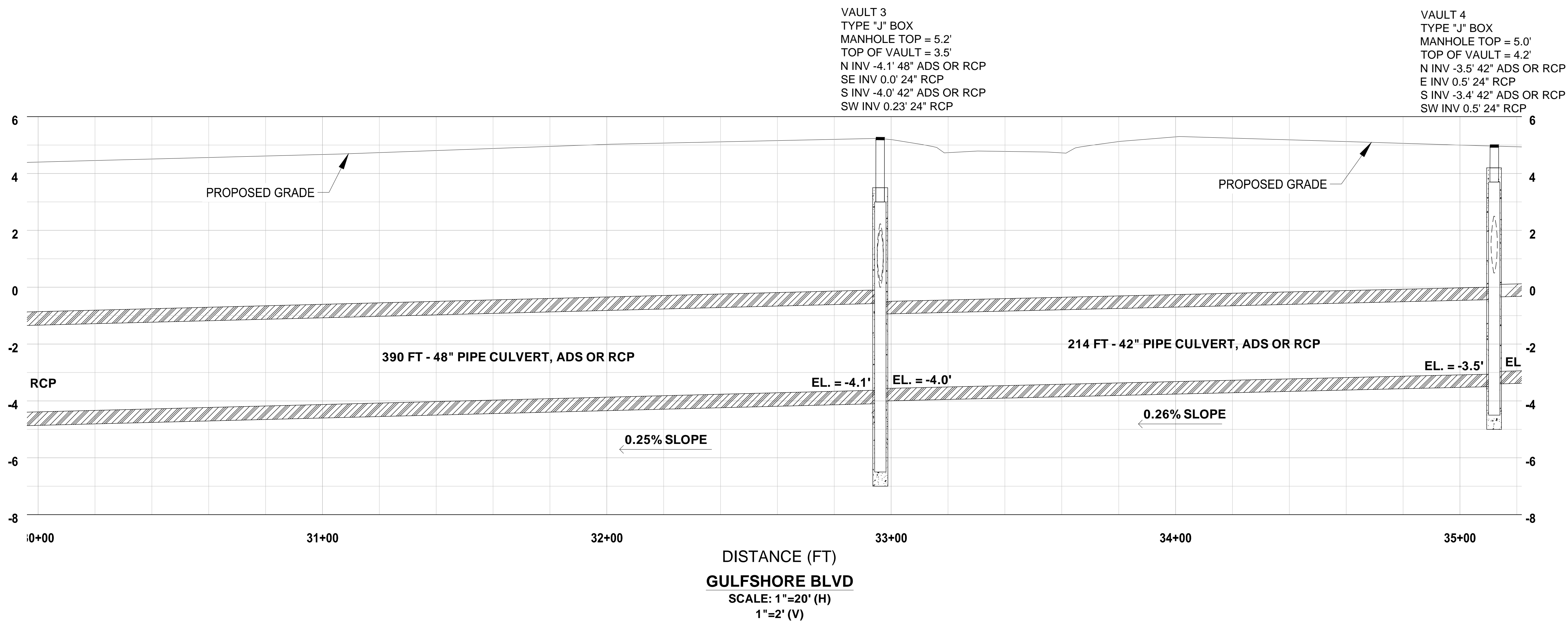
Sheet

Revision

SC

16

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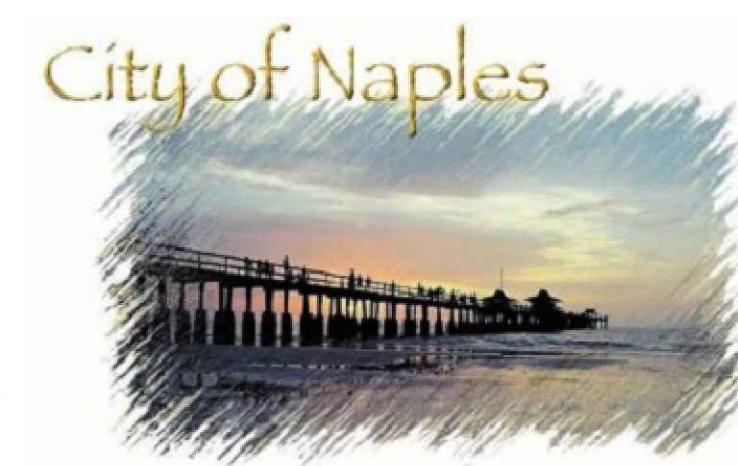
Client/Project

CITY OF NAPLES
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NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_60-90% Drawings_SW-Profile.dwg

JAW	SMT	KME	21.06.01
Dwn	Chkd	Dsn	YY.MM.DD



Title

PROFILE VIEW
STA. 30+00 - 35+00

Project No.
16-329

Scale
AS NOTED

Drawing No.

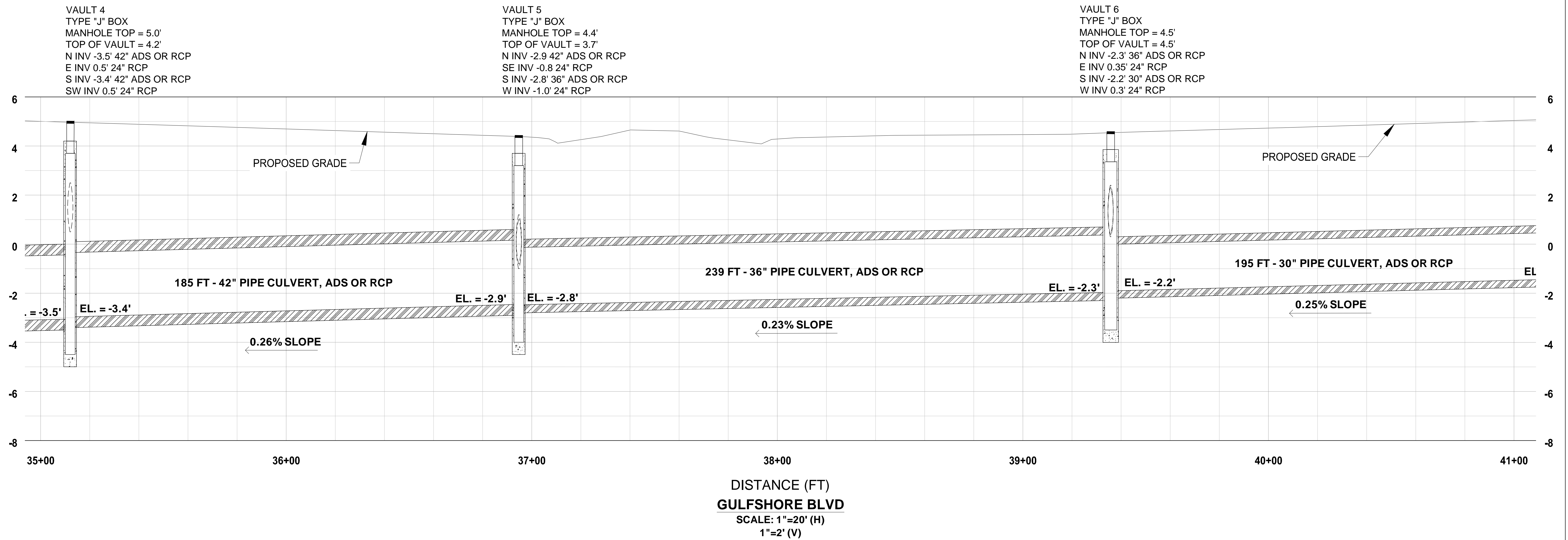
Sheet

Revision

SC

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Naples Beach Restoration & Water Quality Improvement Project

File Name: I6-329_Naples Outfalls_60-90% Drawings_SW-Profile.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

PROFILE VIEW
STA. 35+00 - 41+00

Project No.
16-329

Scale
AS NOTED

Drawing No.

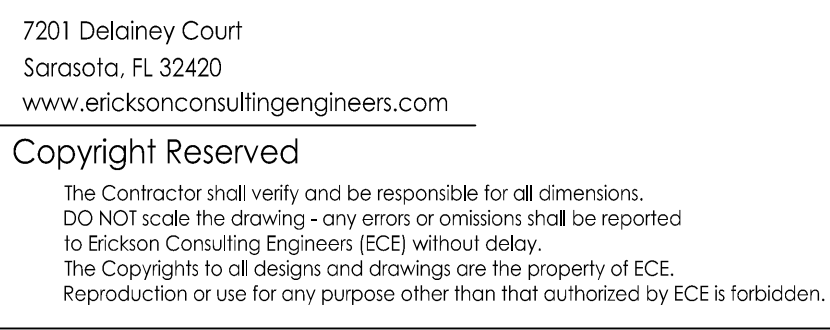
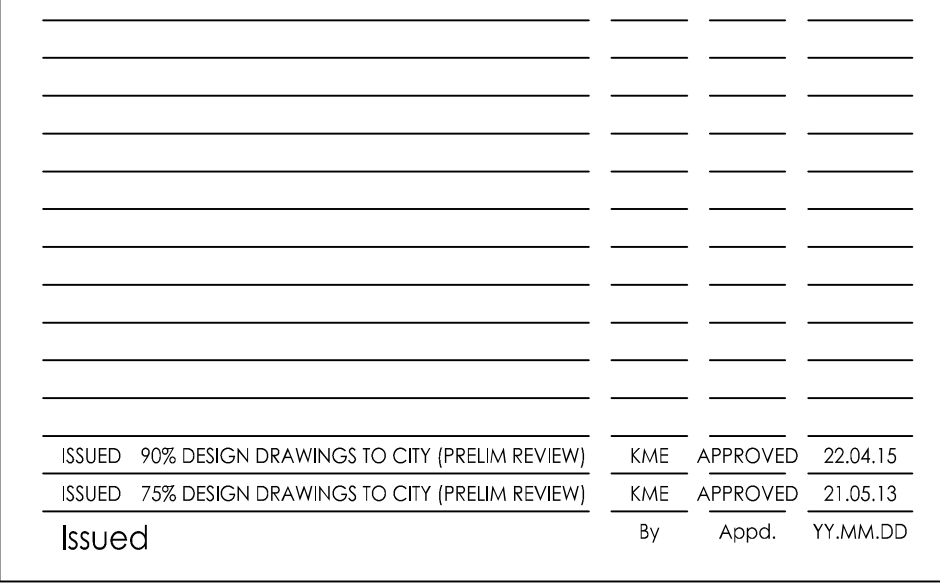
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Revision

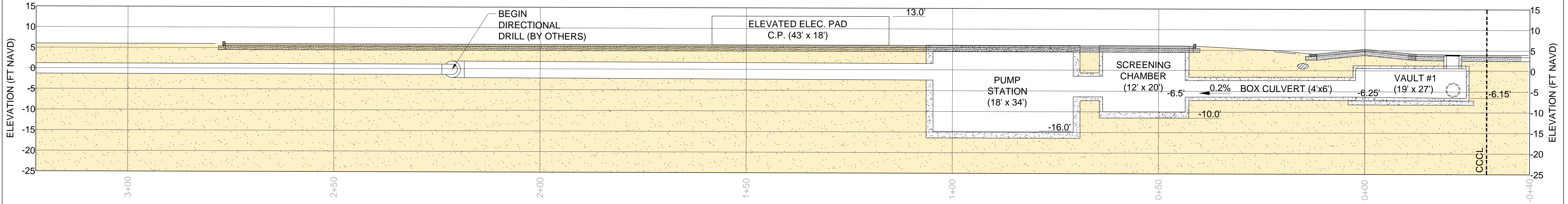
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Title		
PROFILE VIEW STA. 41+00 - 45+50		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	20	0

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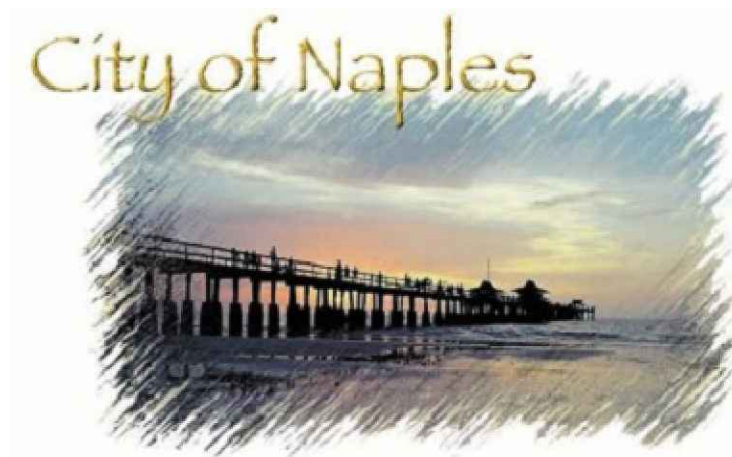
Client/Project

CITY OF NAPLES
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NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
I6-329_Naples Outfalls_60-90% Drawings_SW-Profile.dwg

JAW	SMT	KME	21.06.01
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Title

STORM VAULT PROFILE
3RD AVE. N

Project No.
16-329

Drawing No.

SC

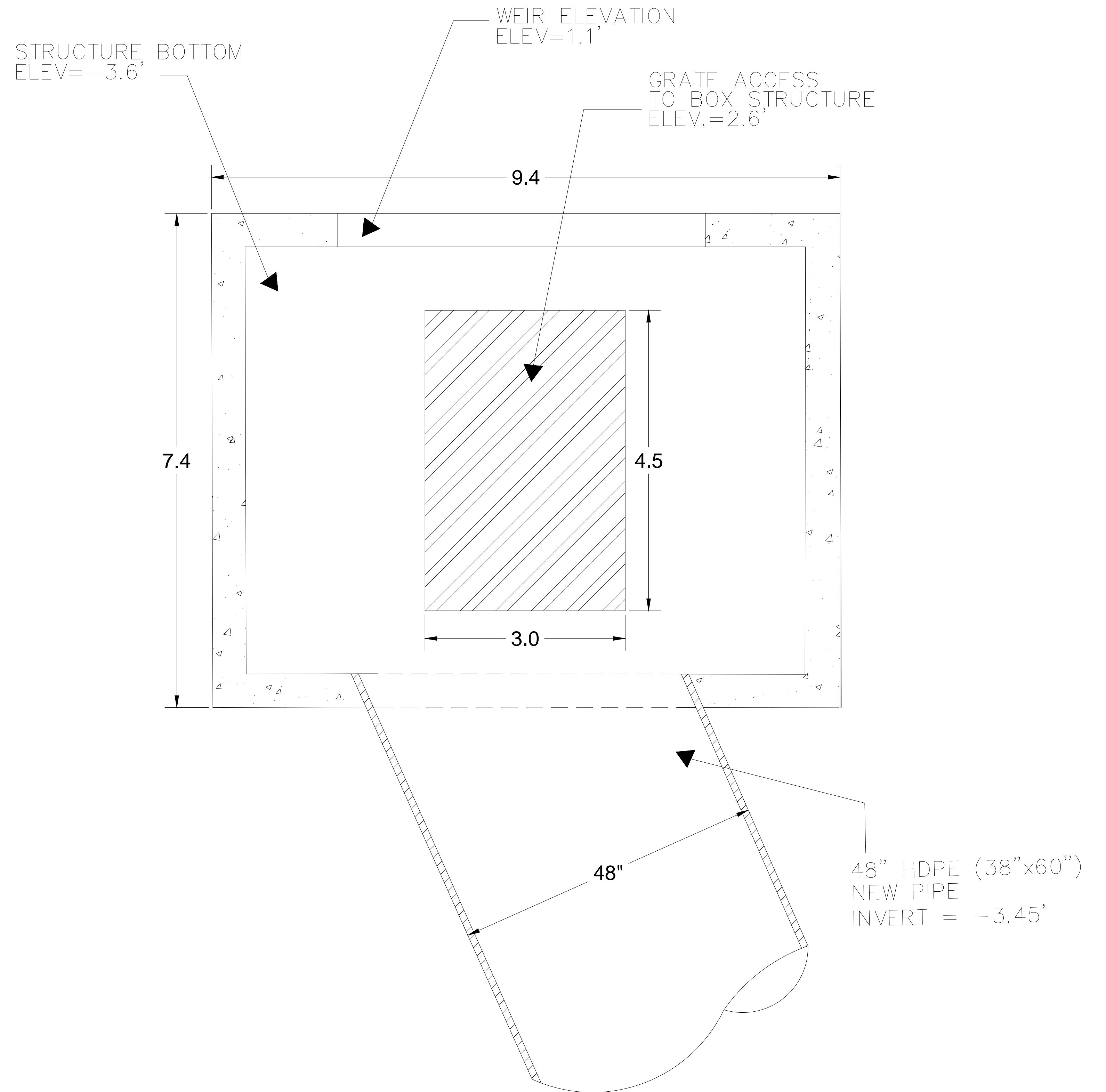
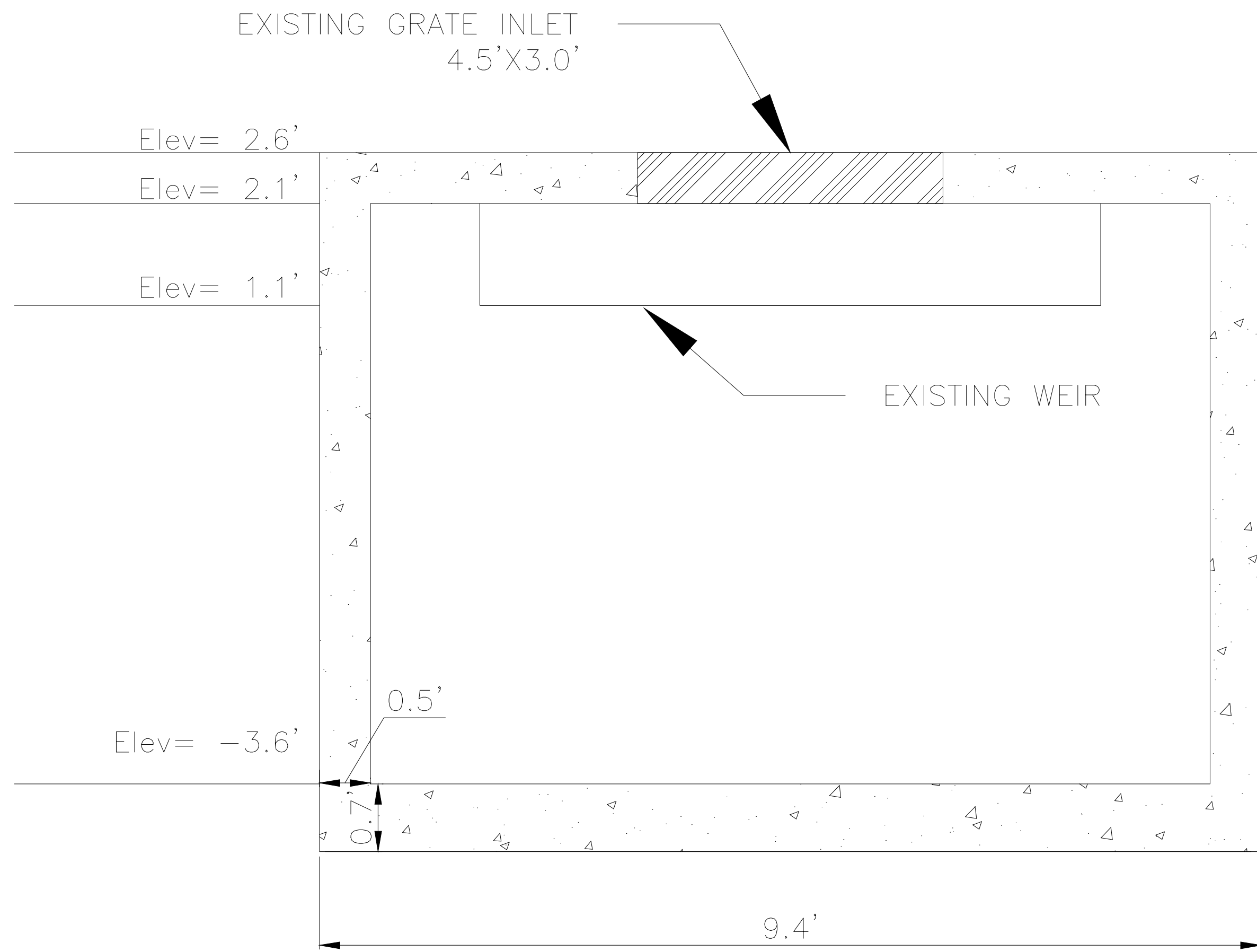
Scale
AS NOTED

Sheet

21

Revision

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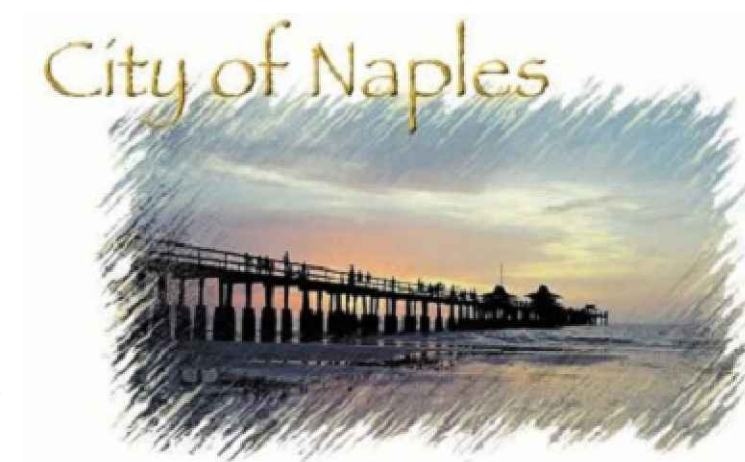
Client/Project

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NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

STORMWATER CONSOLIDATION
VAULT 6-4
EXISTING CONDITIONS

Project No.
16-329

Drawing No.

SC

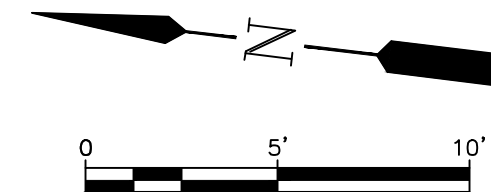
Scale
AS NOTED

Sheet

22

Revision

0

[illegible]

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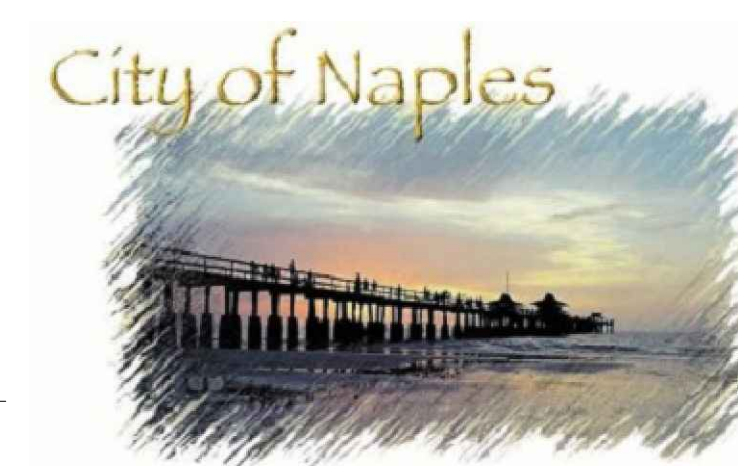
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329 Naples Outfalls, 90-100% Drawings, SW-Plan.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Dsan	YY.MM.DD



Title

STORMWATER CONSOLIDATION
VAULT 6-3A AND 6-3B PROPOSED
PLAN VIEW

Project No.
16-329

Drawing No.

SC

Scale
AS NOTED

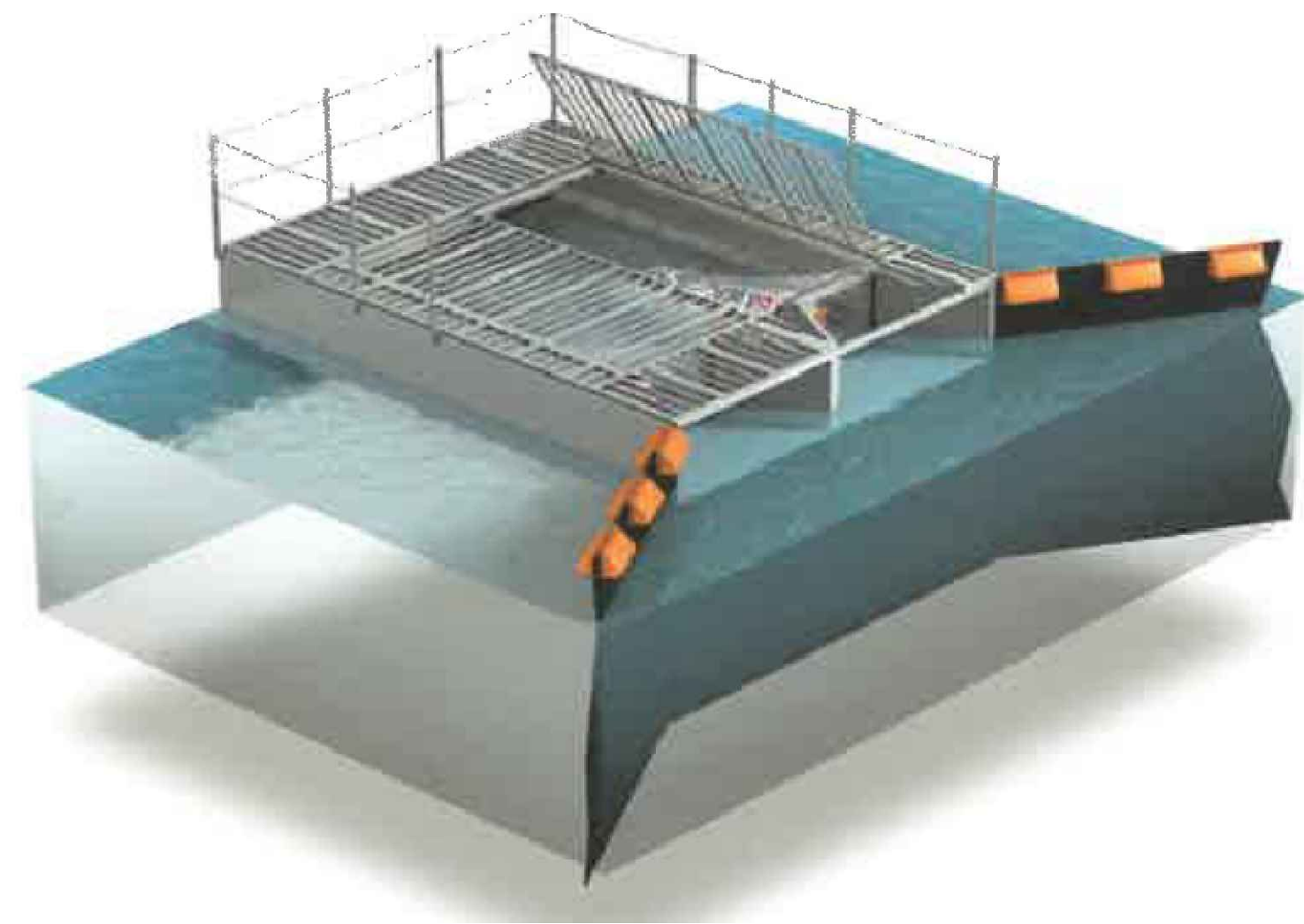
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23

Revision

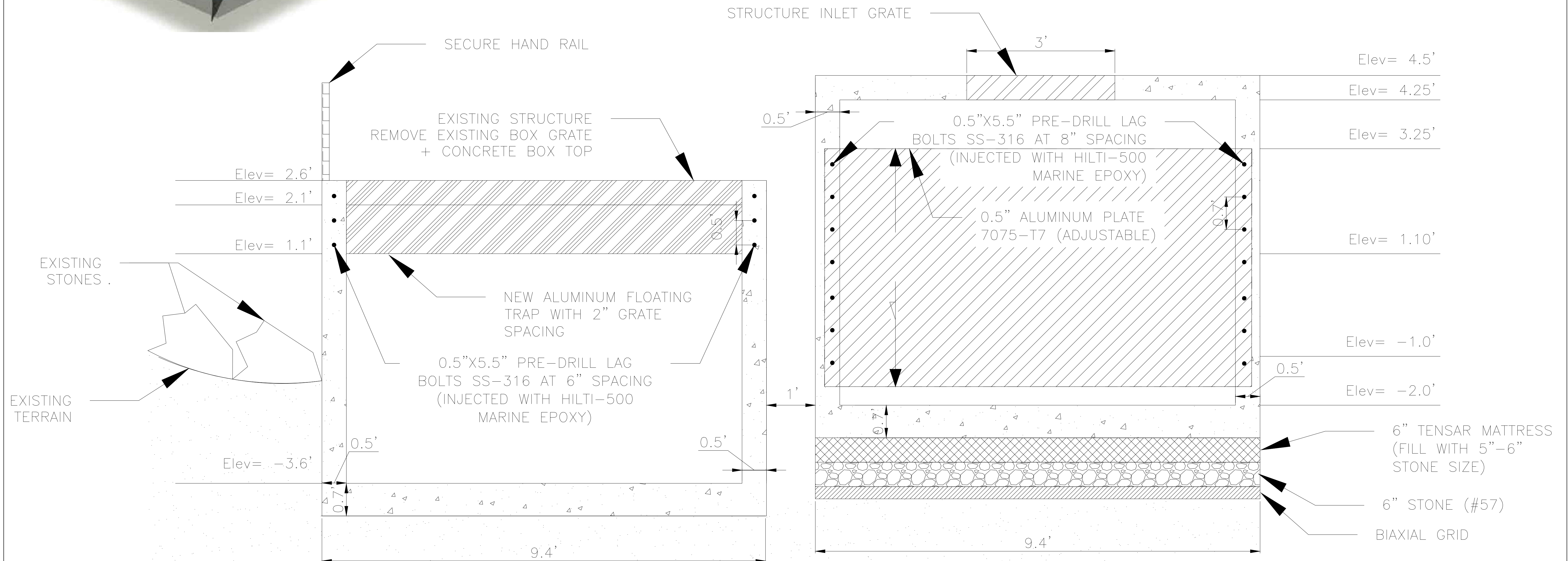
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SOUTHEAST VIEW



WEIR BOX
(6-4A)

WEIR BOX
(6-4B)

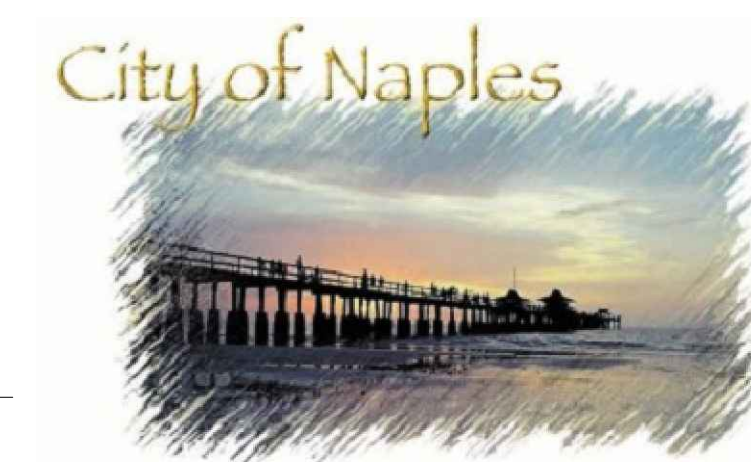
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File Name:
I6-329_Naples Outfalls_60-90% Drawings_SW-Details.dwg

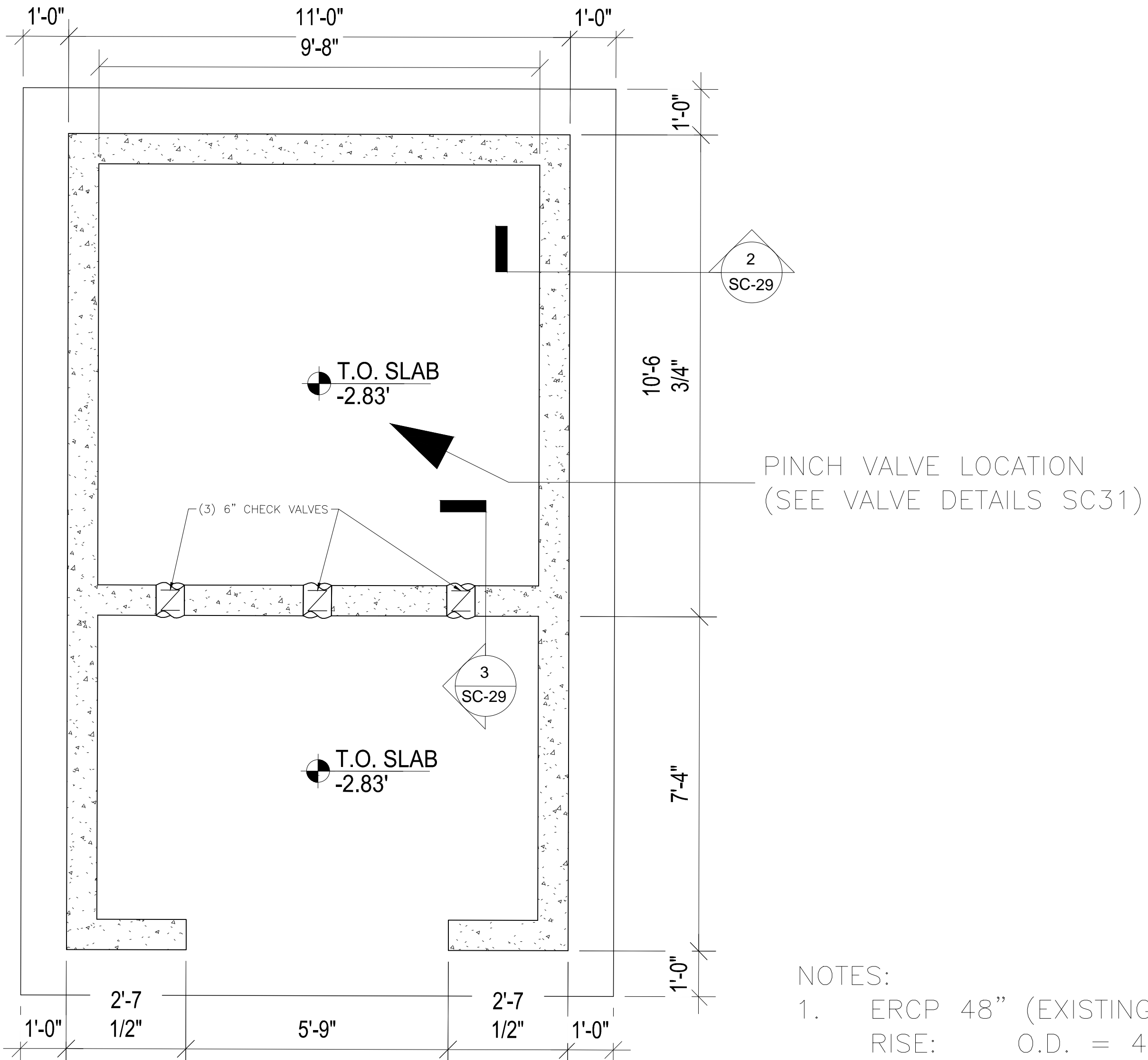
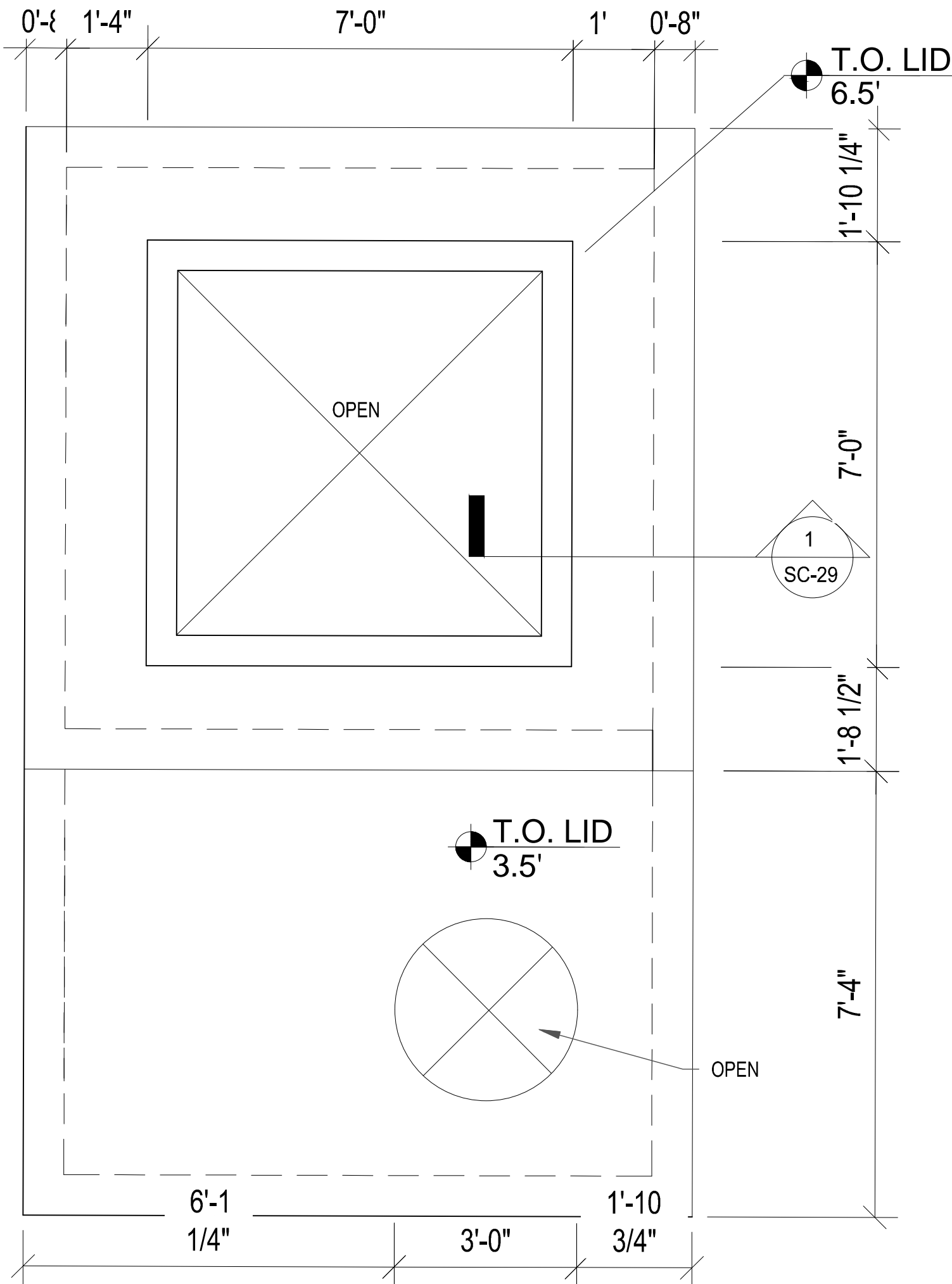
JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY-MM-DD



Project No.	Scale	
16-329	AS NOTED	
Drawing No.	Sheet	Revision

SC 25 0

VAULT 6-3 (ALLIGATOR LAKE)
PLAN VIEW



NOTES:

1. ERCP 48" (EXISTING)
RISE: O.D. = 42.17"
I.D. = 38.00"
SPAN: O.D. = 64.17"
I.D. = 60.00"
2. FPVC (DR-32.5)
O.D. = 38.3"
I.D. = 35.8"

[illegible]

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CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration & Water Quality Improvement Project

File Name: I6-329_Naples Outfalls_60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY.MM.DD



Title

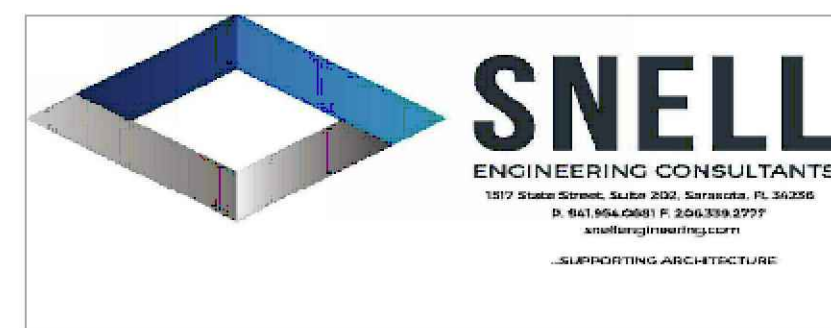
STORMWATER CONSOLIDATION VAULT 6-3 PROPOSED PLAN VIEW

Project No.	Scale
16-329	AS NOTED

Drawing No.	Sheet	Revision
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SC 26 0

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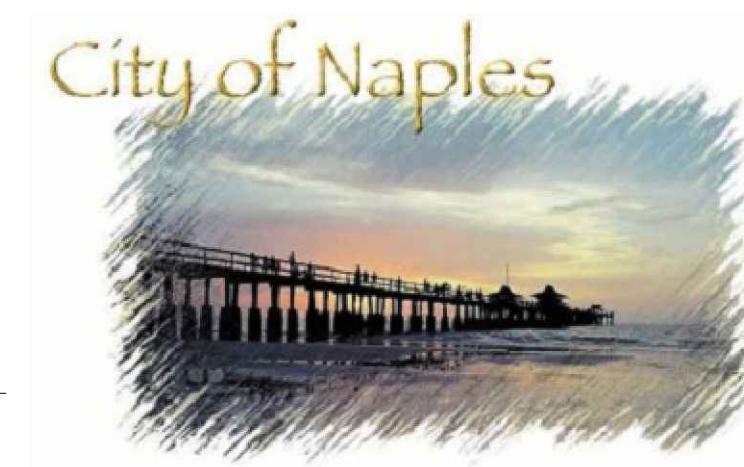
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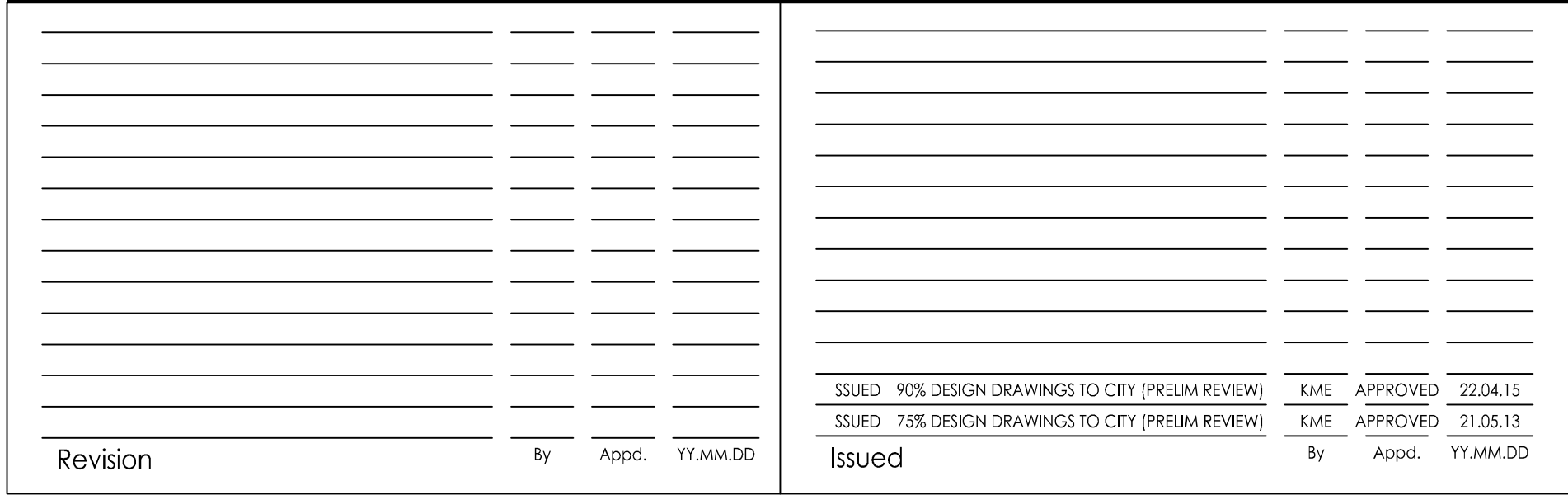
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16-329 Naples Outfalls_60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Project No.	Scale	
16-329	AS NOTED	
Drawing No.	Sheet	Revision

SC 27 0

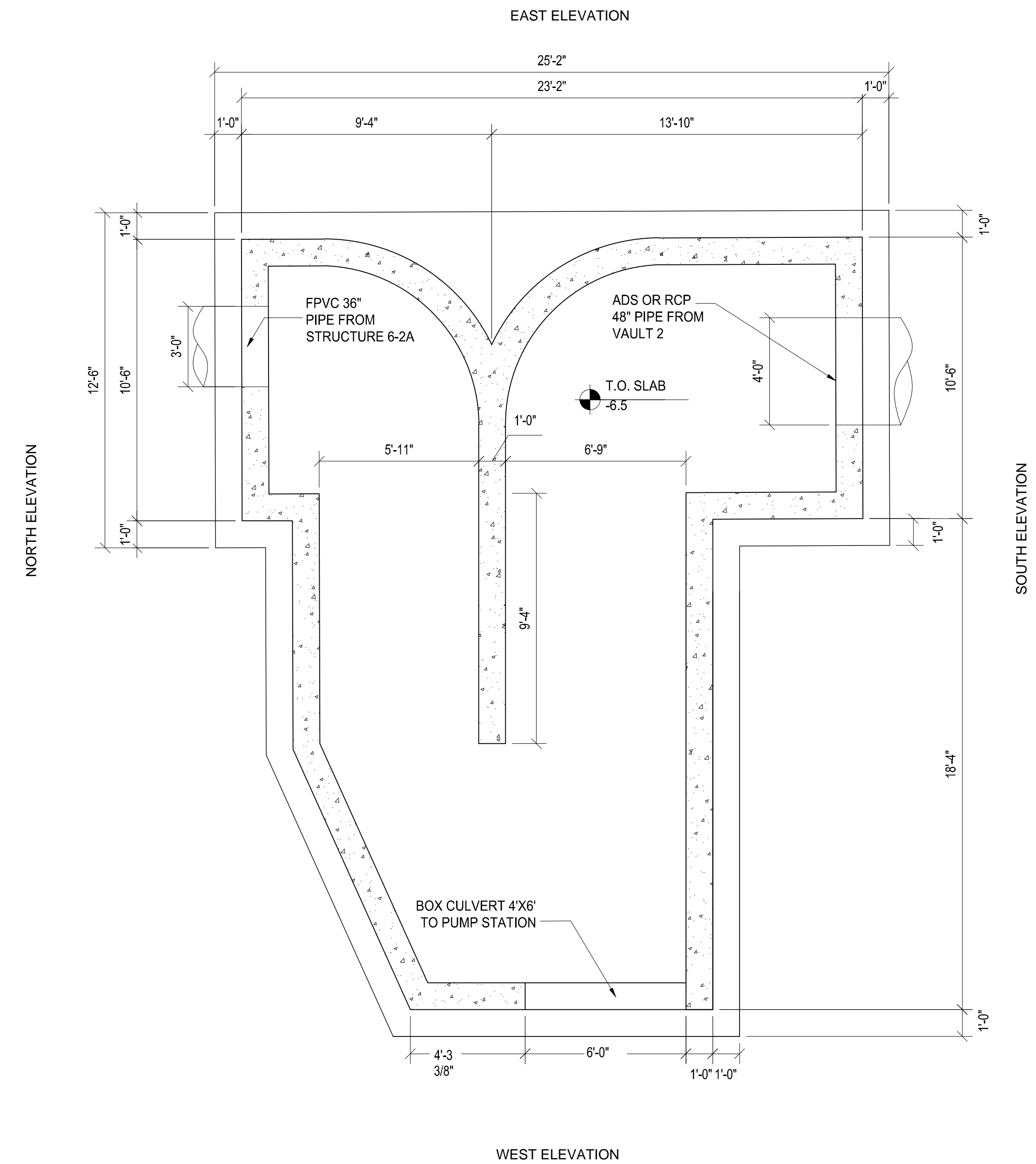
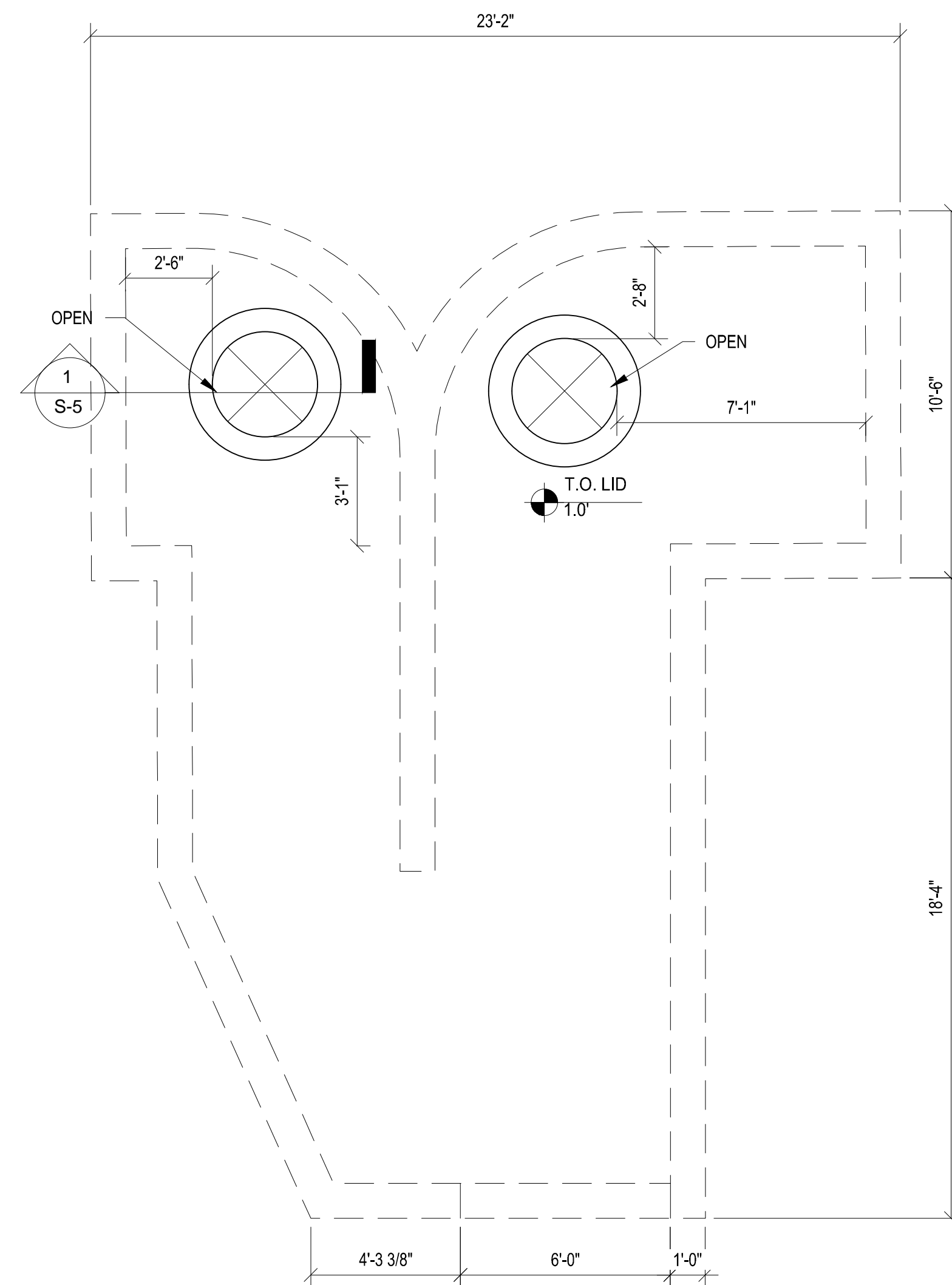
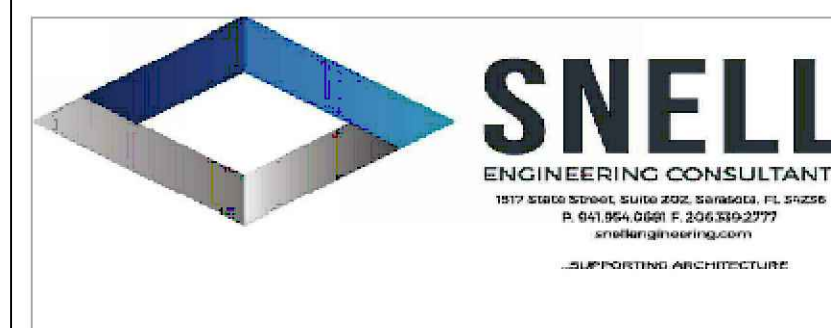


City of Naples



Title		
STORMWATER CONSOLIDATION VAULT 6-3 DETAILS		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	29	0

VAULT 1 (3RD AVE N)
PLAN VIEW

[illegible]

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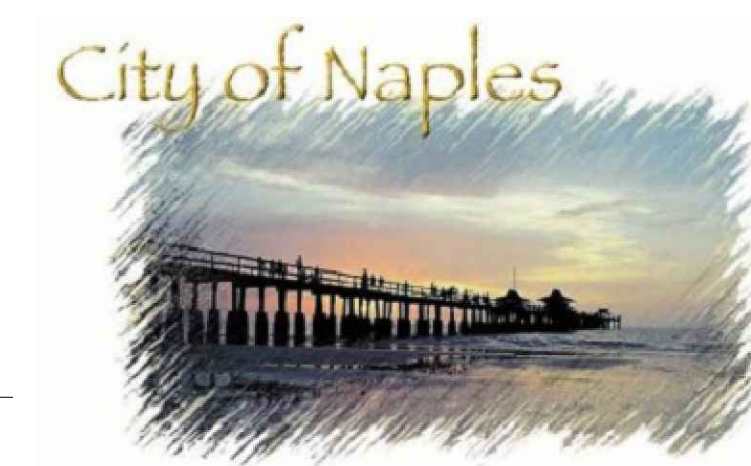
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn	Chkd	Dsgn	YY-MM-DD



Title

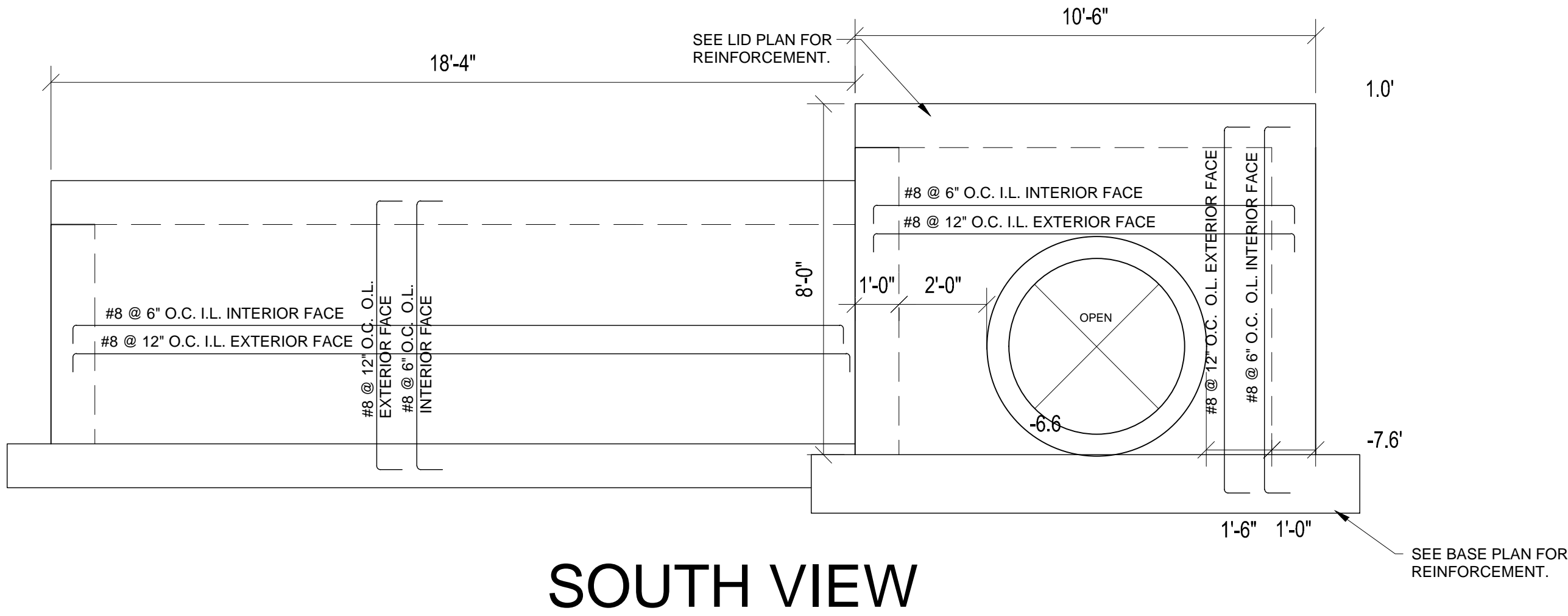
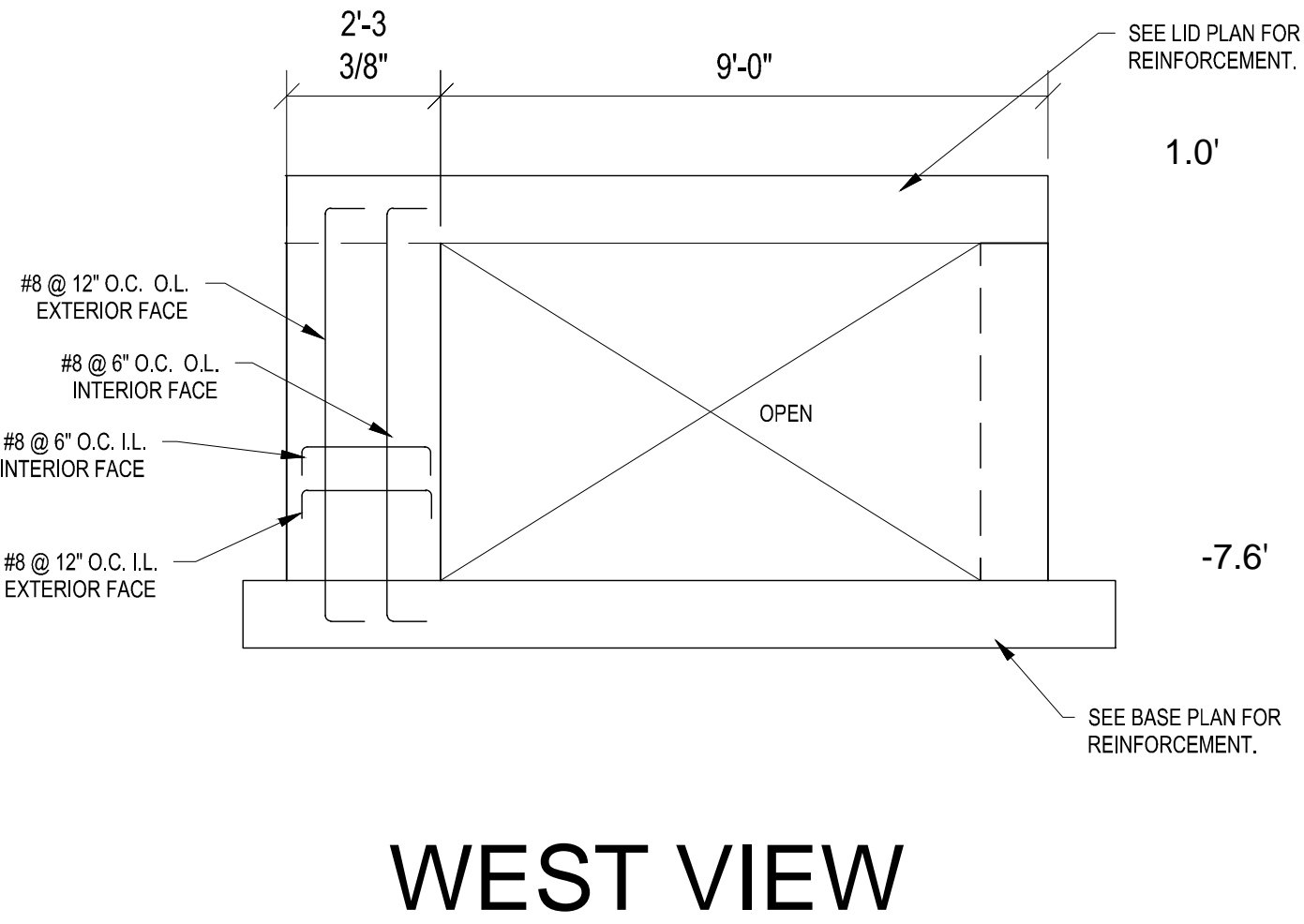
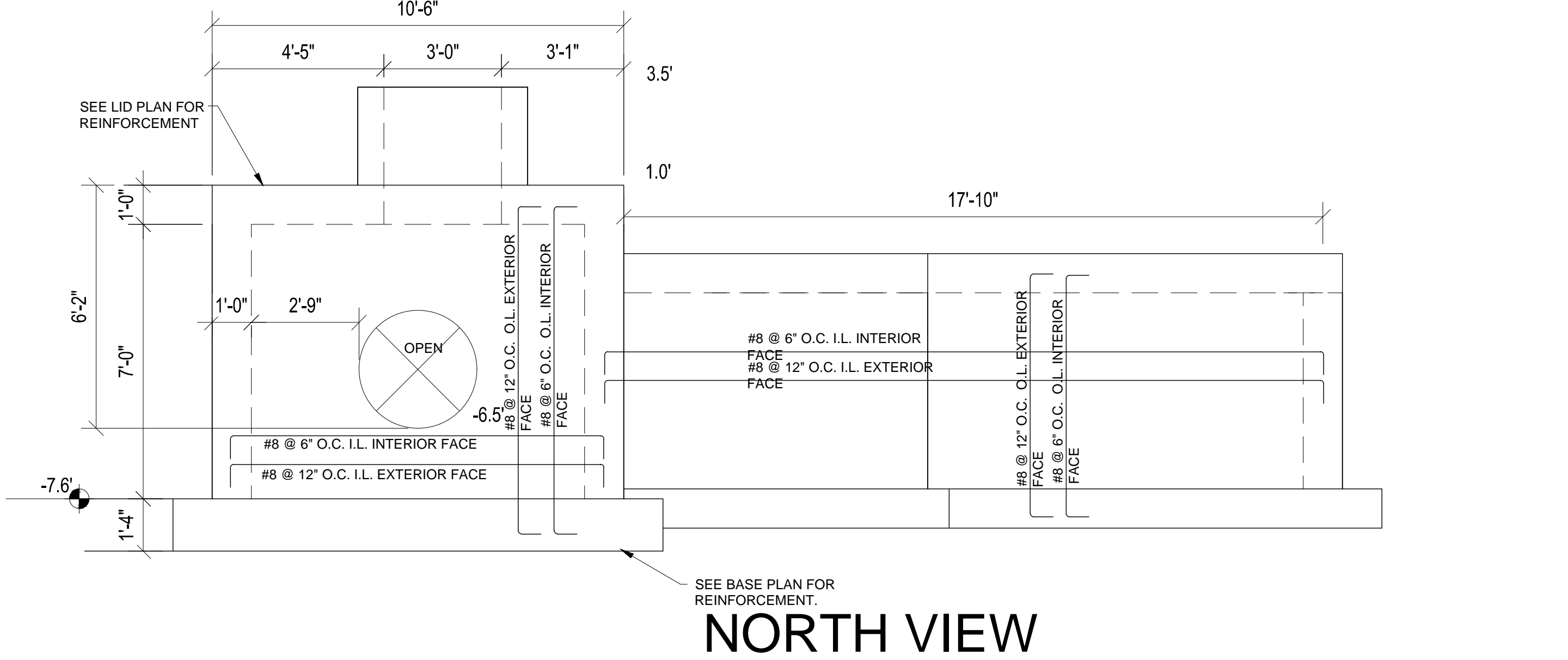
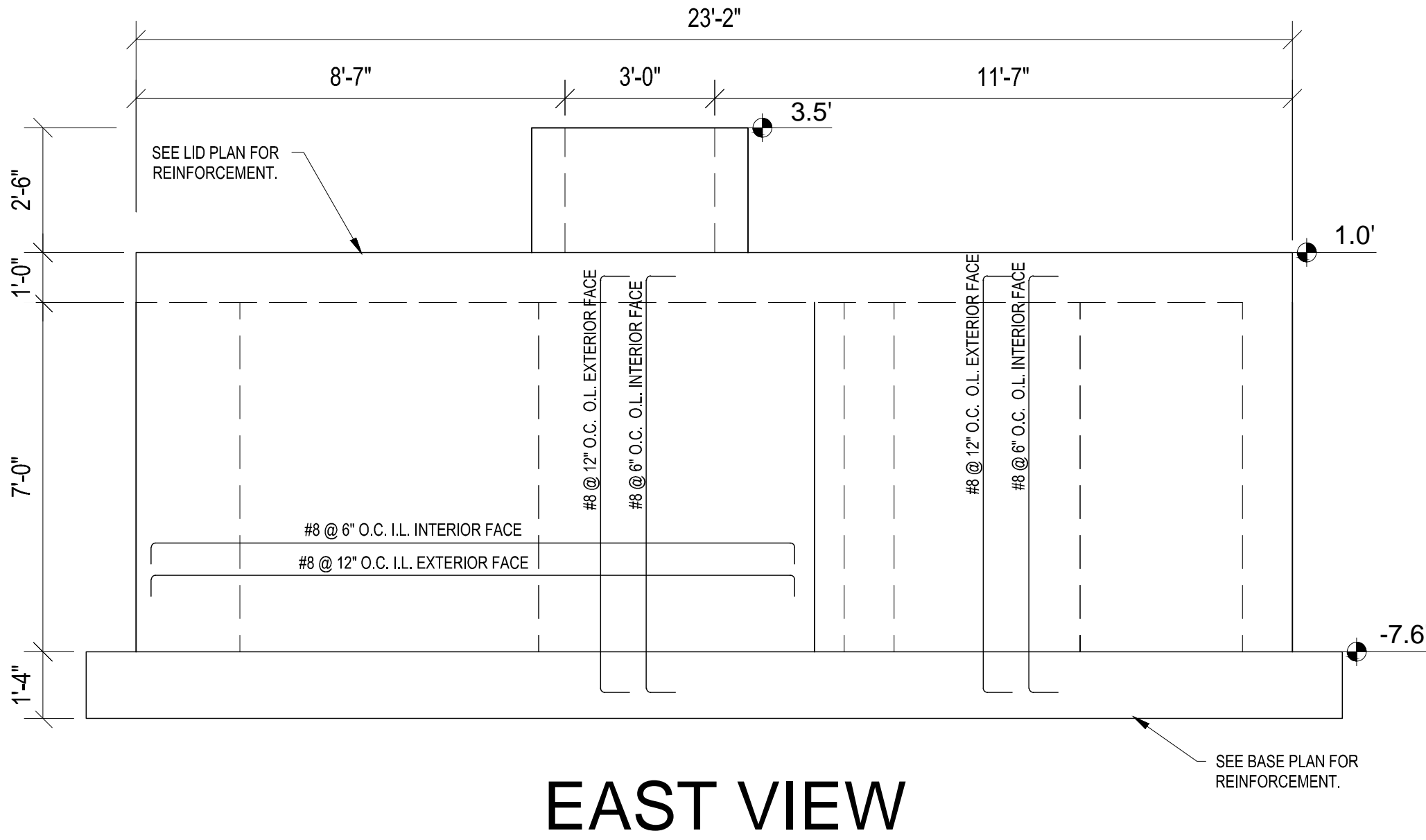
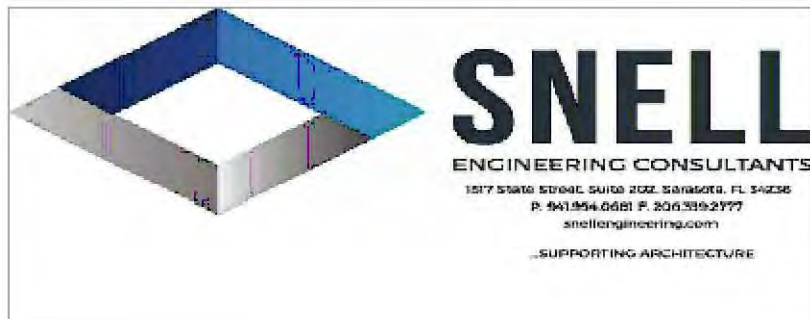
STORMWATER CONSOLIDATION
VAULT 1 PROPOSED
PLAN VIEW

Project No.	Scale
16-329	AS NOTED

Drawing No.	Sheet	Revision
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SC 30 0

VAULT 1 (3RD AVE N) CROSS-SECTION

[illegible]

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NAPLES, FL.

Naples Beach Restoration & Water Quality Improvement Project

File Name: 16-329_Naples Outfalls_60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY.MM.DD



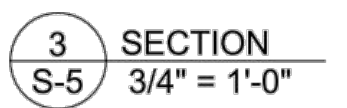
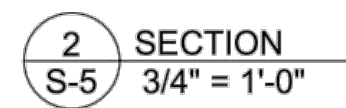
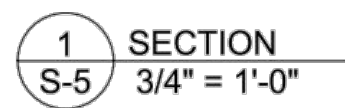
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STORMWATER CONSOLIDATION VAULT 1 PROPOSED CROSS-SECTION VIEW

Project No.	Scale
11-000	AS NOTED

Drawing No.	Sheet	Revision
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SC 31 0



Revision

ISSUED	90% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)
ISSUED	75% DESIGN DRAWINGS TO CITY (PRELIM REVIEW)



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Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
I6-329 Naples Outfalls 60-90% Drawings SW-Details.dwg

JAW	SMT	KME	21.06.01
Down	Chkd	Down	YY.MM.DD



VAULT 1 DETAILS

Project
16-329

Drawing No.

SC

Scale
A9

Sheet

32

Revision

0

[illegible]

PLAN VIEW

VAULT FDOT

MANHOLE RING & COVER

2'-10"

8.0

4.0

48" ADS OR RCP

42" ADS OR RCP

24" RCP

24" RCP

137°

112°

6"

6"

PLAN VIEW

VAULT FDOT

MANHOLE RING & COVER

2'-10"

6"

6"

137°

24"

24" RCP

48" ADS OR RCP

48"

42" ADS OR RCP

42"

8.0

4.0

24"

24" RCP

112°

PLAN VIEW

VAULT FDOT

MANHOLE RING & COVER

2'-10"

6"

6"

137°

24"

24" RCP

48" ADS OR RCP

48"

42" ADS OR RCP

42"

8.0

4.0

24"

24" RCP

112°

PLAN VIEW

VAULT FDOT

MANHOLE RING & COVER

2'-10"

6"

6"

137°

24"

24" RCP

48" ADS OR RCP

48"

42" ADS OR RCP

42"

8.0

4.0

24"

24" RCP

112°

PLAN VIEW

VAULT FDOT

MANHOLE RING & COVER

2'-10"

6"

6"

137°

24"

24" RCP

48" ADS OR RCP

48"

42" ADS OR RCP

42"

8.0

4.0

24"

24" RCP

112°

[illegible]The logo for Erickson Consulting Engineers features the letters 'ECE' in a large, stylized, serif font. The letters are dark blue with a lighter blue shadow effect. Below the letters, the words 'Erickson Consulting Engineers' are written in a smaller, blue, sans-serif font. The entire logo is set against a white background.

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Client/Project

CITY OF NAPLES

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Naples Beach Restoration
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Improvement Project

File Name:
16-329_Naples Outfalls; 60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD

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Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project

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735 8th St S
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& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls; 60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project

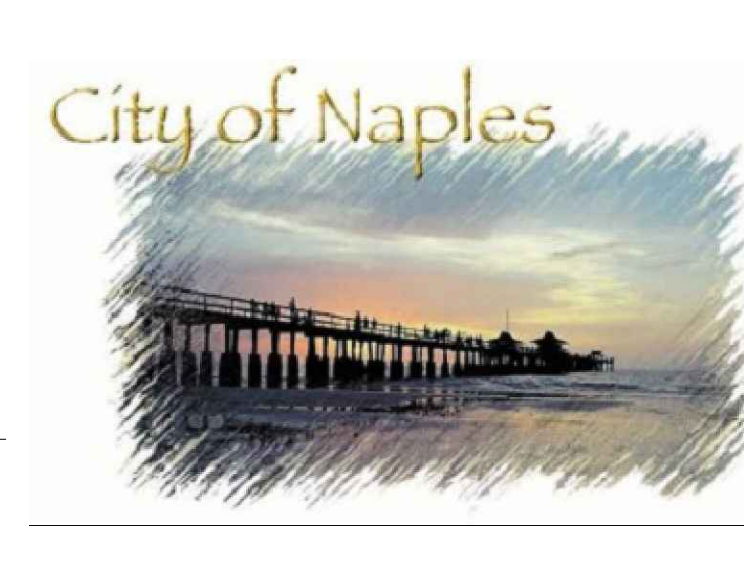
CITY OF NAPLES

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& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls; 60-90% Drawings_SW-Details.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
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Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

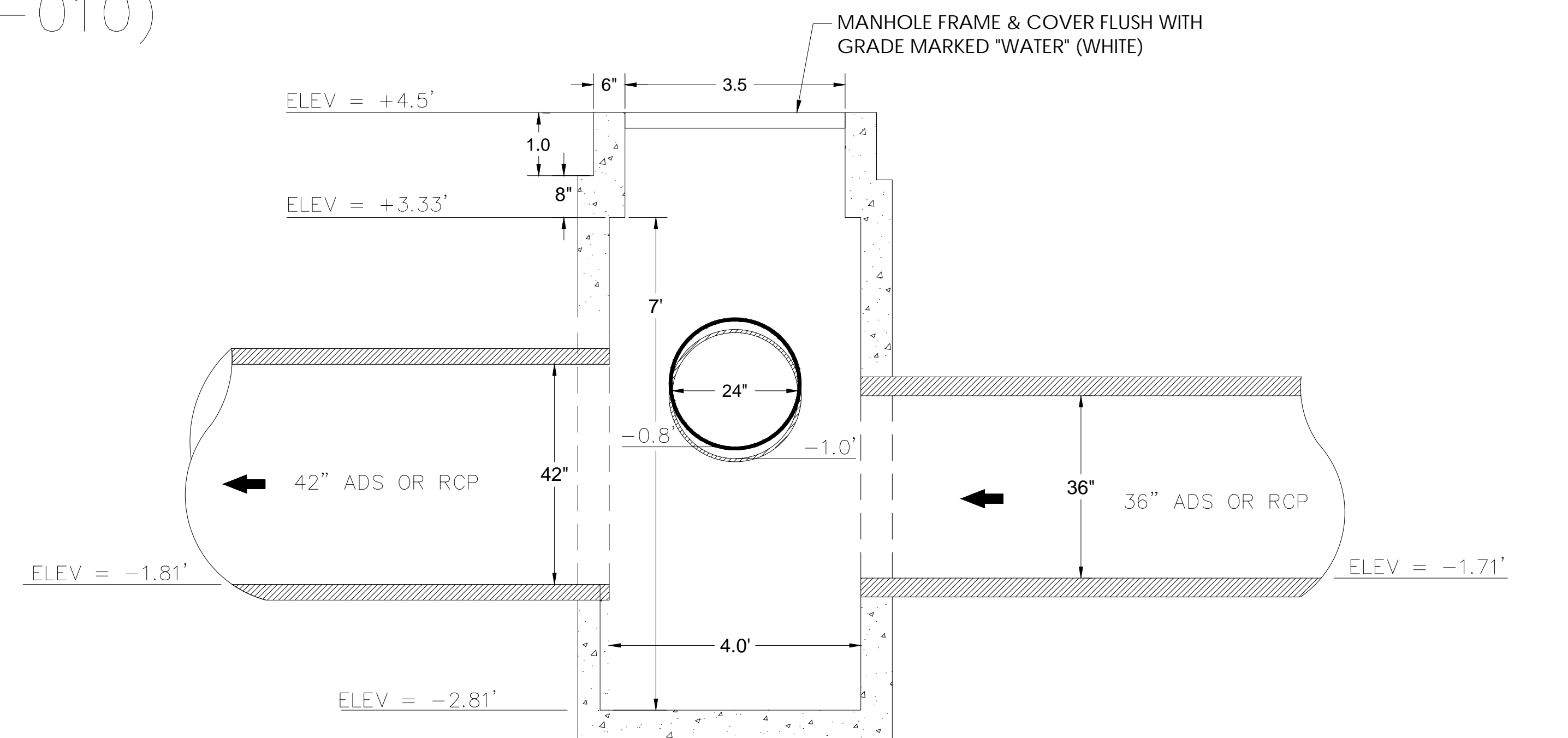
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Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

Title		
STORMWATER CONSOLIDATION VAULT DETAILS VAULT 2 & VAULT 3		
Project No. 16-329	Scale AS NOTED	
Drawing No.	Sheet	Revision
SC	33	0

PLAN VIEW



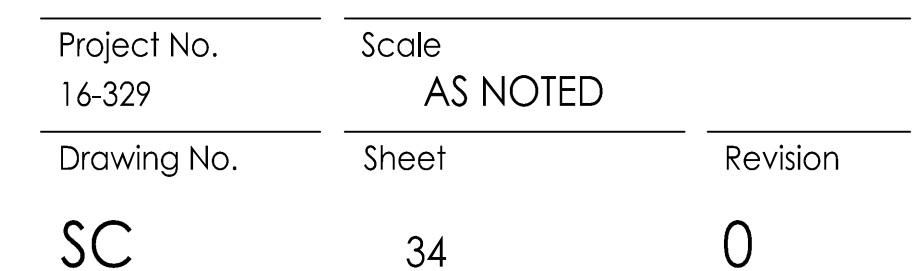
PLAN VIEW



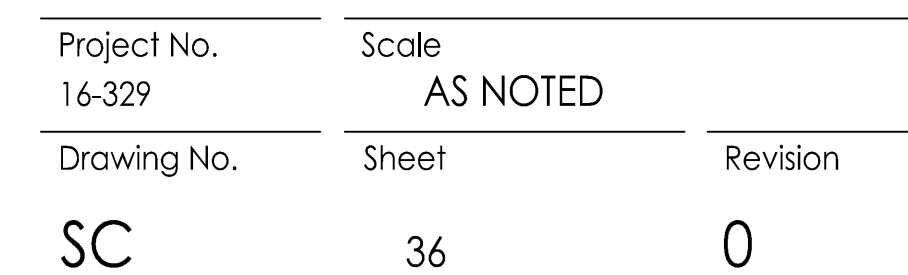
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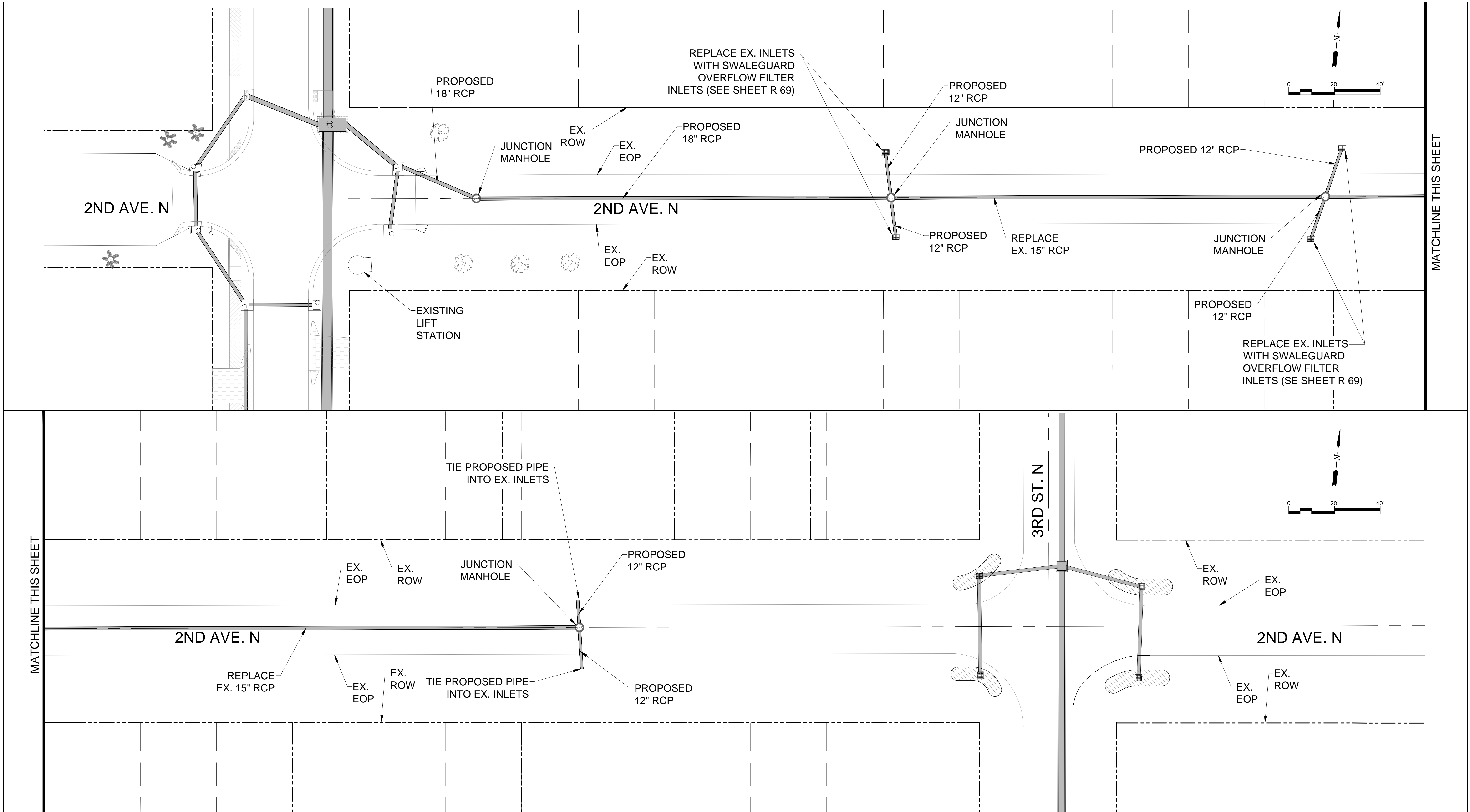
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PLAN VIEW



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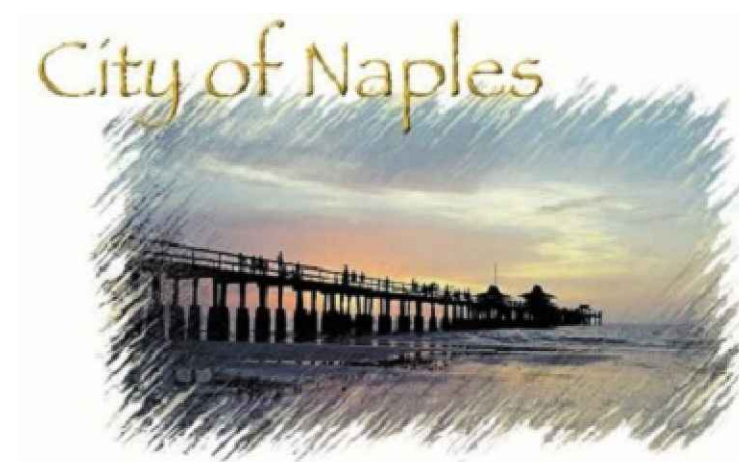
Client/Project

CITY OF NAPLES
735 8th St S
NAPLES, FL.

Naples Beach Restoration
& Water Quality
Improvement Project

File Name:
16-329_Naples Outfalls_90-100% Drawings_SW-Plan.dwg

JAW	SMT	KME	21.06.01
Dwn.	Chkd.	Dsgn.	YY.MM.DD



Title

STORMWATER CONSOLIDATION
2ND AVE N.
STORM LINE REHABILITATION PLAN

Project No.
16-329

Scale
AS NOTED

Drawing No.

Sheet

Revision

SC

37

0