ADDENDUM TO CONTRACT DOCUMENTS

ITB-22-26-UT **Addendum No.: 1**

CONTRACT/PROJECT NAME: Tier 1 Side Streets-Group A

DATE OF ISSUE: August 15, 2022

The following information shall be included in the Contract documents and is hereby made part of the project documents in the form of clarification, addition, deletion or revision to the contract requirements, specifications and/or drawings.

PREBID MEETING RESCHEDULED

The Prebid Meeting is being rescheduled to August 23 at 1 p.m. and is no longer mandatory

SUBMISSION DEADLINE EXTENSION

BID PROPOSAL SUBMISSION DEADLINE IS EXTENDED UNTIL FRIDAY, SEPTEMBER 16, 2022, AT 2:00PM EST.

Bid Opening is scheduled on the same day at 2:15PM EST at Town Hall. Questions will continue to be received until noon seven (7) calendar days (excluding Saturdays, Sundays, and Holidays) prior to the extended bid opening date.

Questions

The following questions were received:

Q: Could you please tell me if this is an open public to all contractors or only to pre qualified contractors? Thank you

A: This is open to the public.

Q: I am wondering if you have an estimated budget and start date for the Tier 1 Side Streets Water and Stormwater Improvements - Group A project (# ITB-22-26-UT)? Also, do you release plan holder's lists for your projects and if so, can you send me a copy?

A: There is no budget. The start date will be 30 days after the award date. The Town does not hold a planholder's list.

Clarifications

- Groups B, C, and D have been added to this ITB. No subsequent ITBs will be issued related to the Tier 1 improvements.
- A separate bid form is required for each Group. See attached bid forms for Group B, C, and D.
- Specifications provided for Group A are applicable to all groups.
- The bids for each group will be evaluated once it has been confirmed that the bidders meet the qualifications stated in the ITB.
- A qualified bidder may be awarded one (1) to four (4) groups based on the lowest competitive bid for each group.
- It is the responsibility of the bidder to secure a bid bond sufficient for the total amount included in the cumulative bid.
- Drawings have been revised to include a differentiation between groups. See drawings attached.
- Contract Time for each group will be 365 days to substantial completion with 30 additional days to final completion.
- Each group will be treated as a standalone project. This includes, but is not limited to, award, agreement, notice to proceed, submittals, payment, and closeout.

Attachments

1. Bid Form- Group B
2. Bid Form- Group C
3. Bid Form- Group D
4. Addendum 1 Bid Plans

Please Print _____

Company Name & Phone Number

_____

Signature

Yadzia Roa, Contracts Manager
bids@fmbgov.com
239-765-0202

Attachment 1

All Bid items shall include all materials, equipment, labor, permit fees, taxes, tests, miscellaneous costs of all types, overhead, and profit for the item to be complete, in place, and ready for operation in the manner contemplated by the Contract Documents.

Contractor shall provide accurate pricing for all bid items listed.

Item No.	Description	Quantity	Unit	Unit Price	Total Price
Tier 1 Side Streets Water and Stormwater Improvements – Group B [Albatross, Fairview, Clearview, Sunview, Palmview]					
	General				
1	Mobilization/Demobilization	1	LS		
2	General Requirements, Bonds, Permits	1	LS		
3	Indemnification	1	LS	$1,000.00	$1,000.00
4	Pre- and Post-Construction Video	1	LS		
5	Locate Utilities in Advance of Construction	1	LS		
6	Survey & Layout and As-Built Survey	1	LS		
7	Maintenance of Traffic	1	LS		
8	Erosion and Sediment Control	1	LS		
9	Replace Asphalt Pavement (Full Depth)	2,715	SY		
10	Mill Existing Asphalt Pavement	20,096	SY		
11	Asphalt Pavement (SP-12.5)	2,509	TN		
12	Remove and Replace Concrete Curb/Gutter and Driveway	14,056	SF		
13	Removed and Replace Pavers Driveway	10,978	SF		
14	Remove & Replace Asphalt Driveway	0	SF		
15	Remove & Replace Unpaved Driveway	1,172	SF		
16	Clear and Grub	1	LS		
17	Restoration	7,175	LF		
18	Contingency Allowance	1	ALL	$200,000.00	$200,000.00
	Watermain				
19	Furnish and Install 8" C900 DR-14 PVC WM	7,175	LF		
20	Furnish and Install 6" C900 DR-14 PVC WM	100	LF		
21	Connection to Existing 8" Water Main	2	EA		
22	Connection to Existing 6" Water Main	0	EA		
23	Reconnect/Install New Water Meters	141	EA		
24	1" Water Service (Short)	81	EA		
25	1" Water Service (Long with Road Crossing)	60	EA		
26	6" Wet Tap and Valve Assembly	0	EA		
27	8" Wet Tap and Valve Assembly	0	EA		
28	10" Wet Tap and Valve Assembly	0	EA		
29	12" Wet Tap and Valve Assembly	0	EA		
30	16" Wet Tap and Valve Assembly	0	EA		
31	8" x 8" Tee/Wye	6	EA		
32	8" x 6" Tee/Wye	0	EA		
33	8" x 6" Reducer	0	EA		
34	8" x 8" Reducer	0	EA		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
35	8"x10" Reducer	0	EA		
36	8" Cap	4	EA		
37	6" Cap	0	EA		
38	8" Vertical Deflection	6	EA		
39	8" Horizontal Deflection	9	EA		
40	8" Gate Valve with Valve Box Assembly	3	EA		
41	6" Gate Valve with Valve Box Assembly	2	EA		
42	Fire Hydrant Assemblies	9	EA		
43	Blowoff	2	EA		
44	Grout and Abandon Existing 16" Water Main	0	LF		
45	Grout and Abandon Existing 12" Water Main	0	LF		
46	Grout and Abandon Existing 8" Water Main	0	LF		
47	Grout and Abandon Existing 6" Water Main	0	LF		
48	Grout and Abandon Existing 3" Water Main	0	LF		
49	Grout and Abandon Existing 2" Water Main	0	EA		
	Stormwater				
50	Tie into Existing Inlet (New pipe into existing structure)	6	EA		
51	Clean Existing SD	1,068	LF		
52	Clean Existing Inlet	11	EA		
53	12" SD Cross Drain	0	LF		
54	15" SD Cross Drain	145	LF		
55	18" SD Cross Drain	0	LF		
56	24" SD Cross Drain	400	LF		
57	30" SD Cross Drain	0	LF		
58	6" SD Side Drain	0	LF		
59	12" SD Side Drain	0	LF		
60	12"x18" SD Side Drain	20	LF		
61	15" SD Side Drain	1,174	LF		
62	18" SD Side Drain	141	LF		
63	24" SD Side Drain	748	LF		
64	Concrete Collar	10	EA		
65	Type "C" Drainage Inlet	3	EA		
66	Type "D" Drainage Inlet	0	EA		
67	Type "E" Drainage Inlet	28	EA		
68	Grate Inlet Skimmer	4	EA		
69	Storm Manhole	0	EA		
70	Yard Drain	0	EA		
71	Mitered End Section	0	EA		
72	Baffle Box (Pipe Diameters 18" or Less)	9	EA		
73	Baffle Box (Pipe Diameters 24" and 30")	2	EA		
74	Seawall Replacement/Installation	32	LF		
75	Duckbill Backflow Prevention Valve	10	EA		
76	In-Line Backflow Prevention Valve	3	EA		
77	Swale Grading & Restoration	0	LF		
78	Rip Rap	0	TN		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
79	Dewatering	1	LS		
	Williams Drive Stormwater Improvements (Separated for the Town's convenience, unit price to match above)				
80	Mill Existing Asphalt Pavement	0	SY		
81	Asphalt Pavement (SP-12.5)	0	TN		
82	Remove and Replace Concrete Curb/Gutter and Driveway	0	SF		
83	Removed and Replace Pavers Driveway	0	SF		
84	Remove & Replace Asphalt Driveway	0	SF		
85	Remove & Replace Unpaved Driveway	0	SF		
86	Clear and Grub	0	LS		
87	15" SD Cross Drain	0	LF		
88	24" SD Cross Drain	0	LF		
89	24" SD Side Drain	0	LF		
90	Type "C" Drainage Inlet	0	EA		
91	Type "E" Drainage Inlet	0	EA		
92	Yard Drain	0	EA		
93	Baffle Box (Pipe Diameters 24" and 30")	0	EA		
94	Seawall Replacement/Installation	0	LF		
95	Duckbill Backflow Prevention Valve	0	EA		
96	Swale Grading & Restoration	0	LF		
97	Rip Rap	0	TN		
	Sanitary Sewer				
98	Conflict Manhole	0	EA		
99	4" Sewer Service Lateral (Without Cleanout)	23	EA		
100	Adjust Manhole Frame and Cover	20	EA		
101	Cleanouts Complete	23	EA		

TOTAL BASE BID

_____

_____ **$ _____**

(In Words) (In Figures)

Bid items shall follow section 01026 of the project Technical Specifications.

Detail for steel sheet piling at outfalls is not included. All new seawall installations are bid as concrete seawall panels with tie-backs. All existing seawall refurbishments are bid as vinyl seawall panels.

Attachment 2

All Bid items shall include all materials, equipment, labor, permit fees, taxes, tests, miscellaneous costs of all types, overhead, and profit for the item to be complete, in place, and ready for operation in the manner contemplated by the Contract Documents.

Contractor shall provide accurate pricing for all bid items listed.

Item No.	Description	Quantity	Unit	Unit Price	Total Price
Tier 1 Side Streets Water and Stormwater Improvements – Group C [Shell Mound, Madison, Andre Mar, Mandalay, Gulfview]					
	General				
1	Mobilization/Demobilization	1	LS		
2	General Requirements, Bonds, Permits	1	LS		
3	Indemnification	1	LS	$1,000.00	$1,000.00
4	Pre- and Post-Construction Video	1	LS		
5	Locate Utilities in Advance of Construction	1	LS		
6	Survey & Layout and As-Built Survey	1	LS		
7	Maintenance of Traffic	1	LS		
8	Erosion and Sediment Control	1	LS		
9	Replace Asphalt Pavement (Full Depth)	3,886	SY		
10	Mill Existing Asphalt Pavement	13,430	SY		
11	Asphalt Pavement (SP-12.5)	1,904	TN		
12	Remove and Replace Concrete Curb/Gutter and Driveway	14,715	SF		
13	Removed and Replace Pavers Driveway	7,449	SF		
14	Remove & Replace Asphalt Driveway	2,017	SF		
15	Remove & Replace Unpaved Driveway	13,645	SF		
16	Clear and Grub	1	LS		
17	Restoration	6,035	LF		
18	Contingency Allowance	1	ALL	$200,000.00	$200,000.00
	Watermain				
19	Furnish and Install 8" C900 DR-14 PVC WM	6,035	LF		
20	Furnish and Install 6" C900 DR-14 PVC WM	100	LF		
21	Connection to Existing 8" Water Main	7	EA		
22	Connection to Existing 6" Water Main	0	EA		
23	Reconnect/Install New Water Meters	143	EA		
24	1" Water Service (Short)	72	EA		
25	1" Water Service (Long with Road Crossing)	70	EA		
26	6" Wet Tap and Valve Assembly	6	EA		
27	8" Wet Tap and Valve Assembly	0	EA		
28	10" Wet Tap and Valve Assembly	0	EA		
29	12" Wet Tap and Valve Assembly	0	EA		
30	16" Wet Tap and Valve Assembly	0	EA		
31	8" x 8" Tee/Wye	10	EA		
32	8" x 6" Tee/Wye	5	EA		
33	8" x 6" Reducer	2	EA		
34	8" x 8" Reducer	0	EA		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
35	8"x10" Reducer	2	EA		
36	8" Cap	7	EA		
37	6" Cap	0	EA		
38	8" Vertical Deflection	17	EA		
39	8" Horizontal Deflection	12	EA		
40	8" Gate Valve with Valve Box Assembly	15	EA		
41	6" Gate Valve with Valve Box Assembly	5	EA		
42	Fire Hydrant Assemblies	12	EA		
43	Blowoff	3	EA		
44	Grout and Abandon Existing 16" Water Main	0	LF		
45	Grout and Abandon Existing 12" Water Main	0	LF		
46	Grout and Abandon Existing 8" Water Main	0	LF		
47	Grout and Abandon Existing 6" Water Main	0	LF		
48	Grout and Abandon Existing 3" Water Main	0	LF		
49	Grout and Abandon Existing 2" Water Main	0	EA		
	Stormwater				
50	Tie into Existing Inlet (New pipe into existing structure)	2	EA		
51	Clean Existing SD	539	LF		
52	Clean Existing Inlet	5	EA		
53	12" SD Cross Drain	0	LF		
54	15" SD Cross Drain	614	LF		
55	18" SD Cross Drain	84	LF		
56	24" SD Cross Drain	379	LF		
57	30" SD Cross Drain	35	LF		
58	6" SD Side Drain	0	LF		
59	12" SD Side Drain	0	LF		
60	12"x18" SD Side Drain	0	LF		
61	15" SD Side Drain	0	LF		
62	18" SD Side Drain	1,097	LF		
63	24" SD Side Drain	3,144	LF		
64	Concrete Collar	0	EA		
65	Type "C" Drainage Inlet	21	EA		
66	Type "D" Drainage Inlet	2	EA		
67	Type "E" Drainage Inlet	38	EA		
68	Grate Inlet Skimmer	0	EA		
69	Storm Manhole	1	EA		
70	Yard Drain	0	EA		
71	Mitered End Section	0	EA		
72	Baffle Box (Pipe Diameters 18" or Less)	2	EA		
73	Baffle Box (Pipe Diameters 24" and 30")	6	EA		
74	Seawall Replacement/Installation	53	LF		
75	Duckbill Backflow Prevention Valve	7	EA		
76	In-Line Backflow Prevention Valve	0	EA		
77	Swale Grading & Restoration	4,745	LF		
78	Rip Rap	59	TN		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
79	Dewatering	1	LS		
	Williams Drive Stormwater Improvements (Separated for the Town's convenience, unit price to match above)				
80	Mill Existing Asphalt Pavement	0	SY		
81	Asphalt Pavement (SP-12.5)	0	TN		
82	Remove and Replace Concrete Curb/Gutter and Driveway	0	SF		
83	Removed and Replace Pavers Driveway	0	SF		
84	Remove & Replace Asphalt Driveway	0	SF		
85	Remove & Replace Unpaved Driveway	0	SF		
86	Clear and Grub	0	LS		
87	15" SD Cross Drain	0	LF		
88	24" SD Cross Drain	0	LF		
89	24" SD Side Drain	0	LF		
90	Type "C" Drainage Inlet	0	EA		
91	Type "E" Drainage Inlet	0	EA		
92	Yard Drain	0	EA		
93	Baffle Box (Pipe Diameters 24" and 30")	0	EA		
94	Seawall Replacement/Installation	0	LF		
95	Duckbill Backflow Prevention Valve	0	EA		
96	Swale Grading & Restoration	0	LF		
97	Rip Rap	0	TN		
	Sanitary Sewer				
98	Conflict Manhole	4	EA		
99	4" Sewer Service Lateral (Without Cleanout)	54	EA		
100	Adjust Manhole Frame and Cover	23	EA		
101	Cleanouts Complete	54	EA		

TOTAL BASE BID

_____

_____

(In Words)

$ _____

(In Figures)

Bid items shall follow section 01026 of the project Technical Specifications.

Detail for steel sheet piling at outfalls is not included. All new seawall installations are bid as concrete seawall panels with tie-backs. All existing seawall refurbishments are bid as vinyl seawall panels.

Attachment 3

All Bid items shall include all materials, equipment, labor, permit fees, taxes, tests, miscellaneous costs of all types, overhead, and profit for the item to be complete, in place, and ready for operation in the manner contemplated by the Contract Documents.

Contractor shall provide accurate pricing for all bid items listed.

Item No.	Description	Quantity	Unit	Unit Price	Total Price
Tier 1 Side Streets Water and Stormwater Improvements – Group D [Mid Island, Bayland, Pepita]					
	General				
1	Mobilization/Demobilization	1	LS		
2	General Requirements, Bonds, Permits	1	LS		
3	Indemnification	1	LS	$1,000.00	$1,000.00
4	Pre- and Post-Construction Video	1	LS		
5	Locate Utilities in Advance of Construction	1	LS		
6	Survey & Layout and As-Built Survey	1	LS		
7	Maintenance of Traffic	1	LS		
8	Erosion and Sediment Control	1	LS		
9	Replace Asphalt Pavement (Full Depth)	689	SY		
10	Mill Existing Asphalt Pavement	3,618	SY		
11	Asphalt Pavement (SP-12.5)	474	TN		
12	Remove and Replace Concrete Curb/Gutter and Driveway	5,215	SF		
13	Removed and Replace Pavers Driveway	2,810	SF		
14	Remove & Replace Asphalt Driveway	1,082	SF		
15	Remove & Replace Unpaved Driveway	6,691	SF		
16	Clear and Grub	1	LS		
17	Restoration	1,943	LF		
18	Contingency Allowance	1	ALL	$200,000.00	$200,000.00
	Watermain				
19	Furnish and Install 8" C900 DR-14 PVC WM	1,915	LF		
20	Furnish and Install 6" C900 DR-14 PVC WM	100	LF		
21	Connection to Existing 8" Water Main	3	EA		
22	Connection to Existing 6" Water Main	0	EA		
23	Reconnect/Install New Water Meters	40	EA		
24	1" Water Service (Short)	26	EA		
25	1" Water Service (Long with Road Crossing)	14	EA		
26	6" Wet Tap and Valve Assembly	4	EA		
27	8" Wet Tap and Valve Assembly	0	EA		
28	10" Wet Tap and Valve Assembly	0	EA		
29	12" Wet Tap and Valve Assembly	0	EA		
30	16" Wet Tap and Valve Assembly	0	EA		
31	8" x 8" Tee/Wye	4	EA		
32	8" x 6" Tee/Wye	4	EA		
33	8" x 6" Reducer	0	EA		
34	8" x 8" Reducer	0	EA		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
35	8"x10" Reducer	0	EA		
36	8" Cap	4	EA		
37	6" Cap	0	EA		
38	8" Vertical Deflection	6	EA		
39	8" Horizontal Deflection	2	EA		
40	8" Gate Valve with Valve Box Assembly	8	EA		
41	6" Gate Valve with Valve Box Assembly	4	EA		
42	Fire Hydrant Assemblies	4	EA		
43	Blowoff	2	EA		
44	Grout and Abandon Existing 16" Water Main	0	LF		
45	Grout and Abandon Existing 12" Water Main	0	LF		
46	Grout and Abandon Existing 8" Water Main	0	LF		
47	Grout and Abandon Existing 6" Water Main	0	LF		
48	Grout and Abandon Existing 3" Water Main	0	LF		
49	Grout and Abandon Existing 2" Water Main	0	EA		
	Stormwater				
50	Tie into Existing Inlet (New pipe into existing structure)	0	EA		
51	Clean Existing SD	1,326	LF		
52	Clean Existing Inlet	8	EA		
53	12" SD Cross Drain	38	LF		
54	15" SD Cross Drain	76	LF		
55	18" SD Cross Drain	125	LF		
56	24" SD Cross Drain	0	LF		
57	30" SD Cross Drain	0	LF		
58	6" SD Side Drain	0	LF		
59	12" SD Side Drain	0	LF		
60	12"x18" SD Side Drain	0	LF		
61	15" SD Side Drain	103	LF		
62	18" SD Side Drain	351	LF		
63	24" SD Side Drain	308	LF		
64	Concrete Collar	2	EA		
65	Type "C" Drainage Inlet	3	EA		
66	Type "D" Drainage Inlet	0	EA		
67	Type "E" Drainage Inlet	12	EA		
68	Grate Inlet Skimmer	0	EA		
69	Storm Manhole	0	EA		
70	Yard Drain	2	EA		
71	Mitered End Section	0	EA		
72	Baffle Box (Pipe Diameters 18" or Less)	0	EA		
73	Baffle Box (Pipe Diameters 24" and 30")	3	EA		
74	Seawall Replacement/Installation	21	LF		
75	Duckbill Backflow Prevention Valve	3	EA		
76	In-Line Backflow Prevention Valve	0	EA		
77	Swale Grading & Restoration	287	LF		
78	Rip Rap	12	TN		

Item No.	Description	Quantity	Unit	Unit Price	Total Price
79	Dewatering	1	LS		
	Williams Drive Stormwater Improvements (Separated for the Town's convenience, unit price to match above)				
80	Mill Existing Asphalt Pavement	0	SY		
81	Asphalt Pavement (SP-12.5)	0	TN		
82	Remove and Replace Concrete Curb/Gutter and Driveway	0	SF		
83	Removed and Replace Pavers Driveway	0	SF		
84	Remove & Replace Asphalt Driveway	0	SF		
85	Remove & Replace Unpaved Driveway	0	SF		
86	Clear and Grub	0	LS		
87	15" SD Cross Drain	0	LF		
88	24" SD Cross Drain	0	LF		
89	24" SD Side Drain	0	LF		
90	Type "C" Drainage Inlet	0	EA		
91	Type "E" Drainage Inlet	0	EA		
92	Yard Drain	0	EA		
93	Baffle Box (Pipe Diameters 24" and 30")	0	EA		
94	Seawall Replacement/Installation	0	LF		
95	Duckbill Backflow Prevention Valve	0	EA		
96	Swale Grading & Restoration	0	LF		
97	Rip Rap	0	TN		
	Sanitary Sewer				
98	Conflict Manhole	0	EA		
99	4" Sewer Service Lateral (Without Cleanout)	6	EA		
100	Adjust Manhole Frame and Cover	8	EA		
101	Cleanouts Complete	6	EA		

TOTAL BASE BID

_____

_____ **$ _____**

(In Words) (In Figures)

Bid items shall follow section 01026 of the project Technical Specifications.

Detail for steel sheet piling at outfalls is not included. All new seawall installations are bid as concrete seawall panels with tie-backs. All existing seawall refurbishments are bid as vinyl seawall panels.

TOWN OF FORT MYERS BEACH
TIER 1 SIDE STREETS
WATER AND STORMWATER DESIGN

LEGEND

PROJECT LIMITS

10600 CHEVROLET WAY, SUITE 300
ESTERO, FL 33928
PHONE: (239) 390-1467 FAX: (407)839-3790
www.tetratech.com

Attachment 4

TETRA TECH

PROJECT LOCATION:

FORT MYERS BEACH, FL

CLIENT INFORMATION:

TOWN OF FORT MYERS BEACH

Tt PROJECT No.:

200-74765-18005

CLIENT PROJECT No.:

PROJECT DESCRIPTION / NOTES:

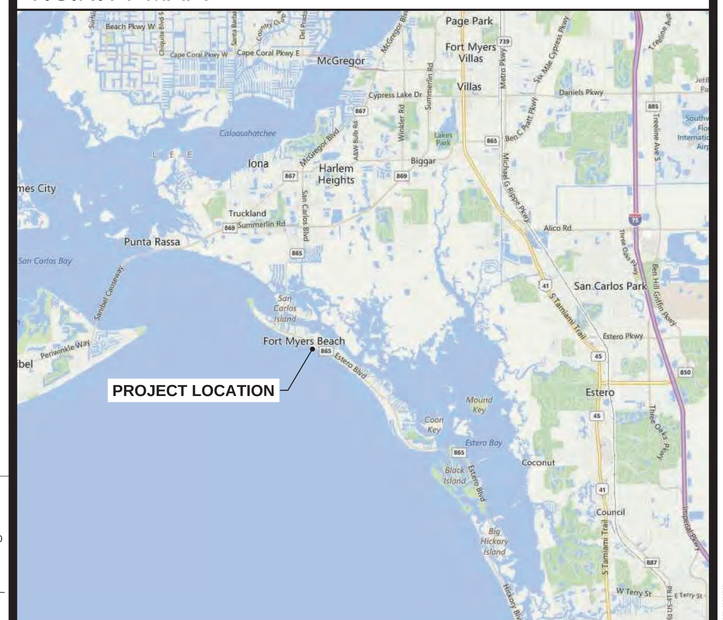
INSTALL APPROXIMATELY 3,600 LF OF 8-INCH, AND 6-INCH PVC WATER DISTRIBUTION MAINS BY OPEN CUT METHODS IN ORDER TO MEET GROWING DEMAND AS WELL AS CURRENT AND PROJECTED FIRE FLOW REQUIREMENTS. ADDITIONALLY APPROXIMATELY 3,500 LF OF STORM DRAIN AND OUTFALL IMPROVEMENTS WILL BE INSTALLED.

ISSUED:

AUGUST 2022

ADDENDUM #1

VICINITY MAP:



Timothy A. Vanderwalker, P.E.
P.E. No. 74415, FL

201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE _____

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GENERAL NOTES:

1. BENCHMARKS FOR CONSTRUCTION HAVE BEEN PROVIDED AND ARE LABELED ON SHEETS THROUGHOUT THE PLAN SET. ELEVATIONS SHOWN HEREON ARE PER NAVD 88 DATUM.

2. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE TOWN OF FORT MYERS BEACH AND LEE COUNTY UTILITIES. WHERE CONFLICTS OR OMISSIONS EXIST, THE TOWN OF FORT MYERS BEACH AND LEE COUNTY UTILITIES STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATION FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

3. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

4. ALL MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE TOWN OF FORT MYERS BEACH AND LEE COUNTY UTILITIES CONSTRUCTION SPECIFICATIONS, LATEST EDITION, UNLESS OTHERWISE WAIVED.

5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND BEFORE BEGINNING ANY CONSTRUCTION. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. ANY PENALTIES, STOP WORK ORDERS OR ADDITIONAL WORK RESULTING FROM THE CONTRACTOR BEING IN VIOLATION OF THE REQUIREMENTS ABOVE, SHALL BE FULLY BORNE BY THE CONTRACTOR.

6. THE LOCATION OF ALL EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FIRST. ANY FEES ASSOCIATED WITH UTILITY RELOCATIONS SHALL BE BORNE IN ACCORDANCE WITH RESPECTIVE UTILITY COMPANY STANDARDS. IT IS REQUESTED UTILITY COMPANIES MOVE THEIR PARTICULAR UTILITIES. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

7. THE CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING TO BE HELD BETWEEN THE TOWN OF FORT MYERS BEACH, UTILITIES, ENGINEER OF RECORD, AND CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

8. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGES PRIOR TO THE CONSTRUCTION OF THE PAVEMENT. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.

9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND AT LEAST 48 HOURS HOURS BEFORE REQUIRED INSPECTION ON EACH AND EVERY PHASE OF WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO ANY SCHEDULED TESTING. NO PRESSURE TESTING, OR FINAL TESTING WILL BE ACCEPTED UNLESS WITNESSED BY THE ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE WITH CITY AT LEAST 48 HOURS PRIOR TO CONNECTION TO EXISTING MAINS.

10. CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE SURVEYING AND LAYOUT FROM BENCHMARK PROVIDED ON CONSTRUCTION PLANS. ANY SURVEY MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE REPLACED UPON COMPLETION OF THE WORK BY A REGISTERED LAND SURVEYOR.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY CONSTRUCTION ACTIVITIES FROM TAKING PLACE OUTSIDE OF THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. ANY ON-SITE OR OFFSITE AREAS DISTURBED SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.

12. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS AND ALL PERMITS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THREE (3) SETS OF RECORD DRAWINGS TO THE ENGINEER OF RECORD WITHIN TWO (2) WEEKS AFTER CONSTRUCTION HAS BEEN COMPLETED ON EACH PHASE.

13. TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WERE TAKEN FROM SURVEY PROVIDED BY: TETRA TECH, 201 EAST PINE STREET, ORLANDO, FL 32801. SURVEY DATUM BASED ON NAVD 88.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED ON THE SUBGRADE, BASE, AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND RETESTING OF THE AREAS AND SHALL PROVIDE THE OWNER AND THE ENGINEER WITH COPIES OF THE CERTIFICATION OF COMPACTION FROM THE TESTING COMPANY. COMPACTION SHALL MEET THE REQUIREMENTS OF LEE COUNTY UTILITIES LATEST STANDARDS.

15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXISTING SITE CONDITIONS OF SOIL PRIOR TO N.T.P. CONSTRUCTION TO DETERMINE IF ANY OFF SITE MATERIALS WILL NEED TO BE IMPORTED TO ACHIEVE THE GRADES SPECIFIED ON THE PLANS.

16. ALL EXCESS FILL FROM SITE SHALL BE STOCKPILED BY THE CONTRACTOR, IN A LOCATION APPROVED BY THE OWNER OR THE OWNER'S REPRESENTATIVE AND THE ENGINEER.

17. CLEAR AREAS INDICATED SHALL BE COMPLETELY CLEAR OF ALL TIMBER, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH, AND ALL OTHER DEBRIS AND OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE GROUND.

18. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS DETERMINED NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC SILT PEAT AREAS, ADEQUACY OF EXISTING MATERIALS AS FILL, DEWATERING REQUIREMENTS, CLEAN FILL REQUIRED FROM OFFSITE, AND MATERIALS TO BE DISPOSED OF OFFSITE, ALL OF WHICH WILL AFFECT HIS PRICING. ANY DELAY, INCONVENIENCE, OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED. THE MATERIALS ANTICIPATED TO BE ENCOUNTERED DURING CONSTRUCTION MAY REQUIRE DRYING PRIOR TO USE AS BACKFILL, AND THE CONTRACTOR MAY HAVE TO IMPORT MATERIALS, AT NO EXTRA COST, FROM OFFSITE TO MEET THE REQUIREMENTS FOR COMPACTION AND PROPER FILL.

19. IN ORDER TO PROTECT THE WATER SUPPLY FACILITIES, THE LOCATIONS OF UTILITIES MUST BE FIELD VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. THE FOLLOWING MINIMUM WALL TO WALL SEPARATIONS MUST BE MAINTAINED FROM ALL WATER MAINS.

UTILITY	HORIZONTAL	VERTICAL
GAS	1 FT.	12 IN.
TELEPHONE	2 FT.	12 IN.
CABLE TV	2 FT.	12 IN.
FIBER OPTICS	2 FT.	12 IN.
ELECTRIC:		
UNDERGROUND	5 FT.	12 IN.
UTILITY POLES	2 FT.	N/A
STORM SEWER	10 FT.	12 IN.
GRAVITY SANITARY SEWER	10 FT.	18 IN.
SANITARY SEWER FORCE MAIN	10 FT.	12 IN.

WHEN THE MINIMUM SEPARATION REQUIREMENTS FOR THE TOWN OF FORT MYERS BEACH, THE LEE COUNTY HEALTH DEPARTMENT, OR OTHER AGENCIES DIFFER, THE MORE STRINGENT REQUIREMENT MUST BE MET. THE OWNER RESERVES THE RIGHT, WHEN NECESSARY, TO REQUIRE ADDITIONAL SEPARATION DEPENDING ON THE CIRCUMSTANCES. CONTRACTOR SHALL CENTER ALL WATER MAIN DEFLECTIONS AT CONFLICTS WITH EXISTING SEWER MAINS.

ANY VARIANCES TO THE DISTANCES SHOWN IN THE TABLE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE OWNER PRIOR TO CONSTRUCTION.

TREES ARE NOT TO BE PLANTED OVER WATER LINES AND THERE MUST BE A 5-FT HORIZONTAL SEPARATION BETWEEN TREES AND WATER LINES.

THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.

20. ALL PIPE AND FITTINGS SHALL BE PRESSURE TESTED & LEAKAGE TESTED AS SPECIFIED IN SECTION 15044 OF THE PROJECT MANUAL AND BY APPROVED CITY, STATE & FEDERAL STANDARDS. FOR ALL LEAKAGE AMOUNTS GREATER THAN "ALLOWABLE LEAKAGE" AS SPECIFIED IN CONTRACT DOCUMENTS AND APPROVED CITY STANDARDS, ALL LEAKS SHALL BE UNCOVERED AND REPAIRED IN ACCORDANCE WITH SPECIFICATIONS. ALL PIPES, VALVES, OUT OF SERVICE AC PIPES THAT HAS A DEPTH OF COVER OF LESS THAN 36 INCHES SHALL BE REMOVED. ALL OUT-OF-SERVICE AC PIPE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. ALL AC PIPE NOT REMOVED SHALL BE CAPPED AND GROUTED.

20. ALL PIPING SHALL HAVE 36 INCHES MINIMUM COVER UNLESS OTHERWISE NOTED. COVER LESS THAN 36 INCHES SHALL BE APPROVED BY OWNER & ENGINEER. CONTRACTOR SHALL TAKE CARE TO PROVIDE PROPER GRADE ELEVATIONS AND ALIGNMENTS. COVER GREATER THAN 8-FT BELOW FINISHED GRADE SHALL BE APPROVED BY OWNER & ENGINEER, WITH DEPTHS NOTED ON AS-BUILT DRAWINGS, UNLESS PIPE IS INSTALLED VIA DIRECTIONAL DRILL.

21. THE CONTRACTOR SHALL LOCATE WATER AND WASTEWATER MAINS AT PROPOSED TIE-IN LOCATIONS TO VERIFY ACTUAL LOCATION, SIZE, ELEVATION, AND MATERIAL PRIOR TO ORDERING MATERIALS FOR SAID WORK. THE EXISTING UTILITIES HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY.

22. ALL POTABLE WATER MAINS INSTALLED DURING CONSTRUCTION SHALL BE DISINFECTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA C-651. SUCH WATER MAINS SHALL THEN BE BACTERIOLOGICALLY TESTED IN ACCORDANCE WITH STATE, TOWN OF FORT MYERS BEACH & LEE COUNTY HEALTH DEPARTMENT STANDARDS. A REPRESENTATIVE OF THE OWNER MUST BE PRESENT DURING THE TAKING OF ALL WATER SAMPLES.

23. A NOTICE OF TWO FULL WORKING DAYS MUST BE PROVIDED TO THE OWNER'S INSPECTOR PRIOR TO FLUSHING AND TESTING. INSPECTOR MUST BE PRESENT DURING PRESSURE TESTING, DISINFECTING, PIGGING AND WATER SAMPLING FOR POTABLE WATER MAINS, RAW WATER MAINS AND WASTEWATER FORCE MAINS, AS APPLICABLE.

24. TRACER WIRE SHALL BE PROVIDED AS REQUIRED BY TOWN STANDARDS. AT A MINIMUM THE TRACER WIRE SHALL BE BLUE COATED #12 GAUGE (TWO (2) #4 GAUGE UF TRACER WIRES IF PIPELINE INSTALLED BY DIRECTIONAL DRILL), UF SOLID STRAND FOR POTABLE WATER AND GREEN COATED #12 GAUGE UF SOLID STRAND TRACER FOR WASTEWATER MAINS AND SHALL BE TESTED TO INSURE CONTINUITY BETWEEN ACCESS POINTS. THE CONTRACTOR SHALL DEMONSTRATE TO THE CITY THAT THE WIRE IS CONTINUOUS AND UNBROKEN THROUGH THE ENTIRE RUN OF PIPE BY PROVIDING FULL SIGNAL CONDUCTIVITY (INCLUDING SPLICES) WHEN ENERGIZING FOR THE ENTIRE RUN IN THE PRESENCE OF THE INSPECTOR. DEFECTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. POSITION LOCATOR WIRES AS DEPICTED IN MISCELLANEOUS DETAILS AND TERMINATE WIRES AT TRACER WIRE ACCESS POINT. PROVIDE COPPERHEAD SNAKEPIT ACCESS POINT OR APPROVED EQUAL. TRACER WIRE SHALL BE CONNECTED TO A COPPERHEAD INDUSTRIES SNAKEPIT TRACER WIRE SYSTEM OR APPROVED EQUAL AT EACH ACCESS POINT.

25. ALL EXISTING POTABLE WATER AND WASTEWATER MAINS SHALL REMAIN OPERATIONAL AND SHALL NOT BE TAKEN OUT OF SERVICE DURING CONSTRUCTION WITHOUT APPROVAL FROM OWNER. ANY APPROVED REMOVAL FROM SERVICES SHALL NOT EXCEED 3 HOURS.

26. FLORIDA LAW (F.S. 553.851) REQUIRES THAT PERSONS MAKING EXCAVATIONS IN PUBLIC AND PRIVATE STREETS, ALLEYS, RIGHT-OF-WAYS OR UTILITY EASEMENTS MUST FIRST OBTAIN INFORMATION ON LOCATION OF UNDERGROUND GAS PIPELINES.

27. THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A REGISTERED FLORIDA PROFESSIONAL LAND SURVEYOR FOR LAYOUT OF ALL WORK AND FOR RESTORING ALL MONUMENTS AND PROPERTY CORNERS DISTURBED DURING CONSTRUCTION. PROOF OF REGISTRATION SHALL BE SUBMITTED TO ENGINEER.

28. CONTRACTOR WATER MAIN CLEARANCE PACKAGES SHALL CONTAIN AS-BUILT DRAWINGS SIGNED AND SEALED BY A LICENSED SURVEYOR, PASSING BACTERIOLOGICAL TEST REPORTS, AND PRESSURE TEST FORMS SIGNED BY THE CITY PROJECT INSPECTOR. SUBMITTALS SHALL INCLUDE FOUR (4) HARDCOPY SETS INCLUDING THE ORIGINAL PASSING BACTERIOLOGICAL SAMPLE REPORTS AND ONE (1) CD CONTAINING ELECTRONIC FILES OF AS-BUILT DRAWINGS IN AUTOCAD FORMAT. AS-BUILT DRAWINGS SHALL DEPICT THE INFORMATION REQUIRED IN THE CONTRACT DOCUMENTS ALONG WITH THE LOCATIONS OF THE BACTERIOLOGICAL SAMPLES LABELED TO CORRESPOND TO THE BACTERIOLOGICAL SAMPLE REPORTS. FAILURE OF THE CONTRACTOR TO PROVIDE THE REQUIRED INFORMATION OR SUBMISSION OF POOR QUALITY AS-BUILT DRAWINGS WILL COUNT AS AN APPLICATION REVIEW. POOR QUALITY AS-BUILT DRAWINGS WILL BE RETURNED WITH COMMENTS ONE (1) TIME AND SUBSEQUENT REVIEWS OF POOR QUALITY AS-BUILT DRAWINGS SUBMITTED BY THE CONTRACTOR WILL BE COUNTED AS ONE (1) APPLICATION REVIEW PER INSTANCE AND THE CITY AND ENGINEER WILL DEDUCT REVIEW, HANDLING, AND DIRECT COSTS FROM THE CONTRACTOR'S PROGRESS PAYMENT APPLICATIONS AND/OR PROJECT RETAINAGE. THE PROJECT MANUAL AND/OR THE DRAWINGS WILL SPECIFY THE CONTRACTOR'S RESPONSIBILITIES AND ESTIMATED COSTS. PARTIAL SUBMITTALS WILL NOT BE REVIEWED. SUBMITTALS FOR SANITARY SEWER DO NOT REQUIRE BACTERIOLOGICAL TEST REPORTS.

29. WHEN WORKING AT NIGHT, CONTRACTOR SHALL USE LIGHT SHIELDS SO AS NOT TO AFFECT TURTLES FROM MAY THROUGHOUT OCTOBER.

30. ALL EXISTING FACILITIES LEFT IN PLACE SHALL BE LOCATED BY FIELD SURVEY AND THE LOCATIONS SHALL BE SHOWN ON THE AS-BUILT DRAWINGS

DEMOLITION:

1. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND LICENSES FOR PERFORMING THE DEMOLITION WORK AND SHALL FURNISH A COPY OF SAME TO THE ENGINEER PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE PERMITS.

2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OR LOCAL AUTHORITIES FURNISHING GAS, WATER, ELECTRICAL, TELEPHONE, OR SEWER SERVICE SO THEY CAN REMOVE, RELOCATE, DISCONNECT, CAP OR PLUG THEIR EQUIPMENT IN ORDER TO FACILITATE DEMOLITION.

3. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION AND SHALL MAINTAIN SUFFICIENT PROTECTION FOR ALL UTILITIES REQUIRED TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES, STRUCTURES, AND UTILITIES NOT MARKED FOR REMOVAL OR DEMOLITION AND SHALL PROMPTLY REPAIR ANY DAMAGE AS DIRECTED BY THE ENGINEER AT NO COST TO THE OWNER.

5. THE CONTRACTOR SHALL REMOVE BUILDING STRUCTURES MARKED FOR DEMOLITION WHICH INCLUDES FOOTERS ASSOCIATED WITH THE STRUCTURE, WATER LINES TO THE METER LOCATION, LATERALS TO THE RIGHT-OF-WAY LINE (CAP PRIOR TO BACKFILLING THE TRENCH), AND UNDERGROUND ELECTRICAL WIRING NOT ASSOCIATED WITH THE APPROPRIATE POWER COMPANY.

6. THE CONTRACTOR SHALL REMOVE PAVING MARKED FOR DEMOLITION WHICH INCLUDES ALL ASPHALT, CONCRETE, BASE, AND RETAINING WALLS (INCLUDING THE FOOTERS).

7. THE CONTRACTOR SHALL REMOVE TREES MARKED FOR REMOVAL WHICH INCLUDES THE ROOTS ASSOCIATED WITH THE TREE. TREES NOT MARKED FOR REMOVAL SHALL BE PROTECTED IN ACCORDANCE WITH THE TOWN OF FORT MYERS BEACH REGULATIONS.

8. THE CONTRACTOR SHALL REMOVE UNSALVAGEABLE MATERIALS AND YARD WASTE FROM THE SITE IMMEDIATELY AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

9. THE CONTRACTOR SHALL SAW-CUT A SMOOTH STRAIGHT EDGE ON ANY PAVEMENT PROPOSED FOR DEMOLITION PRIOR TO ITS REMOVAL. PRIOR TO CONNECTING PROPOSED PAVEMENT TO EXISTING PAVEMENT, THE CONTRACTOR SHALL ENSURE THAT THE EDGE OF THE EXISTING PAVEMENT IS STRAIGHT AND UNIFORM.

10. CONTRACTOR SHALL REMOVE & REPLACE ALL SIGNS, MAILBOXES, FENCING, DRAINAGE STRUCTURES, ETC. AS REQUIRED TO COMPLETE THIS PROJECT. ALL SUCH RESTORATION SHALL BE COMPLETED IMMEDIATELY FOLLOWING PIPE INSTALLATION & BACK FILLING & SHALL BE INCLUDED IN CONTRACTOR'S PRICE FOR PROJECT.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND PROPER DISPOSAL OF ALL REMOVED/DEMOLISHED PIPE, STRUCTURES, EQUIPMENT, AND APPURTENANCES.

12. REMOVAL OF EXISTING ASBESTOS CEMENT (AC) PIPE SHALL BE DONE BY LICENSED CONTRACTOR PER THE SPECIFICATIONS.

13. ALL OUT OF SERVICE AC PIPE THAT HAS A DEPTH OF COVER OF LESS THAN 36 INCHES SHALL BE REMOVED. ALL OUT-OF-SERVICE AC PIPE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED. ALL AC PIPE NOT REMOVED SHALL BE CAPPED AND GROUTED.

OTHER UTILITY INFORMATION:

1. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES WHICH MAY HAVE THEIR UTILITIES WITHIN THE CONSTRUCTION AREAS TO LOCATE THEIR FACILITIES IN THE FIELD FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING CONSTRUCTION.

2. CHAPTER 553 - 851 OF THE FLORIDA STATUTES REQUIRES THAT AN EXCAVATOR NOTIFY GAS UTILITIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATING. THE DRAWINGS DO NOT SHOW THE LOCATIONS OF GAS MAINS OR SERVICE LINES.

3. LANDSCAPING SHALL NOT BE LOCATED WITHIN 3 FEET OF ANY FIRE HYDRANT AND/OR FIRE DEPARTMENT CONNECTION.

4. CONTRACTOR SHALL PROVIDE SHEETING AND SHORING AS REQUIRED FOR SAFE PIPING INSTALLATION. CONTRACTOR SHALL PROVIDE SUPPORT FOR ANY EXISTING POLES, STRUCTURES, ETC. DURING CONSTRUCTION, AND SHEETING AND SHORING FOR EXISTING ROADWAY AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OTHER UTILITY COMPANIES AND ARRANGING TO HAVE UTILITY POLES HELD OR RELOCATED IF DETERMINED NECESSARY FOR CONSTRUCTION. CONTRCACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH HOLDING OF UTILITY POLES.

EARTHWORK, GRADING, STABILIZATION, PAVING AND DRAINAGE:

1. COMPACT ALL UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180) AND TO 95% WITHIN OTHER AREAS.

2. ALL ORGANIC SOILS BELOW UTILITY TRENCHES SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL AND COMPACTED TO NO LESS THAN 98% OF THE MODIFIED PROCTOR MAXIMUM DENSITY (AASHTO T - 180).

3. STABILIZED SUBGRADE TO BE F.D.O.T. TYPE "B".

4. ASPHALTIC CONCRETE TO FDOT STANDARD SPECIFICATION (LATEST EDITION) SECTION 916.1, TOWN OF FORT MYERS BEACH AND LEE COUNTY DOT STANDARDS, WHICHEVER IS GREATER.

5. ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PAINT. (STOP BARS TO BE THERMOSPLASTIC)

6. ALL CONCRETE FLUMES, WALKS, AND CURBS SHALL BE CONSTRUCTED WITH 3000 PSI CONCRETE.

7. ALL ON-SITE AREAS DISTURBED BY THE CONSTRUCTION SHALL BE STABILIZED WITH SOD (SAME AS SURROUNDING AREA OR BETTER) OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.

8. ALL DEWATERING COSTS ASSOCIATED WITH THE INSTALLATION AND CONSTRUCTION OF THE UNDERGROUND UTILITIES SHALL BE INCLUDED AS PART OF THE CONSTRUCTION BID COSTS. THE CONTRACTOR SHALL SUBMIT FOR WATER USE PERMITS IF REQUIRED FOR DEWATERING ACTIVITIES.

9. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONG SIDE OF AND OVER ALL UTILITIES. THE ENGINEER MAY REQUIRE THAT COMPACTION TESTS BE TAKEN TO VERIFY BACKFILL COMPACTION. THE COST OF SUCH COMPACTION TESTS WILL BE BORNE BY THE CONTRACTOR. COMPACTION SHALL MEET THE REQUIREMENTS OF LEE COUNTY UTILITIES LATEST STANDARDS.

10. THE CONTRACTOR MUST INSTALL AND MAINTAIN GRASS OR SOD ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETED FINAL GRADES, AS NOTED ON PLANS, AND AT ANY OTHER TIME AS NECESSARY TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES TO ANY DOWNSTREAM WATER BODY, WETLAND, OR OFF-SITE PROPERTY. SODDING ON SLOPES 3:1 AND STEEPER SHALL BE STAKED.

11. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY AND SEDIMENT INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AND SILT FENCES AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY AND SEDIMENT BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFFSITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTERS 62-302 AND 62-4, FLORIDA ADMINISTRATIVE CODE.

12. SOD SHALL BE OF EXISTING GRASS TYPE, WELL MATTED WITH ROOTS, OF SUFFICIENT THICKNESS TO WITHSTAND ALL NECESSARY HANDLING AND REASONABLY FREE OF WEEDS AND OTHER GRASSES. SOD SHALL BE FRESHLY CUT, HEALTHY AND GREEN IN APPEARANCE AND BE IN COMMERCIAL SIZE RECTANGLES, PREFERABLY TWELVE INCHES (12") BY TWENTY-FOUR (24"), OR LARGER. SOD SHALL BE PLACED WITHIN TWENTY-FOUR (24) HOURS OF ARRIVAL TO THE JOB SITE. WHERE THE SOD IS PLACED ON SLOPES 3:1 OR STEEPER THE SEAMS SHALL BE STAGGERED OR STAKED. TREES SHALL BE REPLACED WITH LIKE TREES OF SIMILAR SIZE.

SEDIMENT CONTROL NOTES: (FROM TOWN OF FORT MYERS STANDARD DETAIL NO. 10.45)

1. BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCING AND ANY OTHER STRUCTURAL CONTROL WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE.

2. TEMPORARY AND PERMANENT SEEDING, SODDING AND PLANTING WILL BE INSPECTED FOR BORE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

3. STABILIZED CONSTRUCTION ENTRANCES AND ROADWAYS SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

4. ANY HAY BOLES SHALL BE REPLACED EVERY THREE (3) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

5. FLOATING TURBIDITY BARRIERS WILL BE MAINTAINED WITH RESPECT TO DEPTH OF SEDIMENT AND TO ENSURE THAT THE FABRIC IS ATTACHED SECURELY TO THE FLOATS AND ANCHORED PROPERLY AT THE BOTTOM FOR PROPER SEDIMENT CONTROL.

6. DISTURB ONLY THE AREA THAT IS NEEDED FOR CONSTRUCTION.

7. WHEN POSSIBLE, CLEAR LAND IN STAGES. CLEAR AND FINISH CONSTRUCTION ON ONE PIECE OF LAND THEN MOVE ON TO THE NEXT.

8. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT DEVICES IN ACCORDANCE WITH THE PROJECT SWP3.

9. PERMANENT EROSION CONTROL MEASURES SUCH AS SEEDING, MULCHING, LAYING DOWN OF GEOTEXTILES OR CHEMICAL STABILIZATION SHALL BE IN PLACE WITHIN FOURTEEN (14) DAYS OF ANY COMPLETED CONSTRUCTION ACTIVITY FOR AREAS WHERE CONSTRUCTION HAS ENDED TEMPORARILY FOR TWENTY-ONE (21) DAYS

10. SEED SHOULD ONLY BE USED DURING PERIODS THAT ADEQUATE RAINFALL IS ANTICIPATED. OTHERWISE, SEED SHOULD BE USED WITH ANOTHER STABILIZATION PRACTICE OR ANOTHER PRACTICE SHOULD BE USED.

11. BUFFER ZONES WILL BE PLACED ADJACENT TO CONSTRUCTION SITE (BEHIND STRUCTURAL CONTROL) TO IMPROVE WATER QUALITY, WHERE PRACTICAL.

12. ALL DISTURBED AREAS SHOULD BE PERMANENTLY SEEDED OR SODDED WITHIN FOURTEEN (14) DAYS OF CONSTRUCTION COMPLETION OR IN ACCORDANCE WITH SFWMD REQUIREMENTS.

13. IN ADDITION TO THE PLACING OF FILTER FABRIC IN ACCORDANCE WITH THE INLET EROSION CONTROL DETAIL THE CONTRACTOR WILL BE RESPONSIBLE FOR THE TEMPORARY PLUGGING OF THE J" ORIFICE THAT IS PRECAST INTO THE SIDE OF ALL PROPOSED DRAINAGE INLETS DURING CONSTRUCTION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR REMOVAL OF SAID PLUG UPON COMPLETION OF THE PROJECT.

14. ALL EROSION CONTROL MEASURES SHOWN ARE RECOMMENDED AND MAY BE MODIFIED AS NEEDED BY THE CONTRACTOR DEPENDING ON SITE CONDITIONS.

15. ALL SILT FENCE AND SAFETY BARRIER TO REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.

16. SILT FENCE AND/OR SAFETY BARRIER TO BE PLACED AROUND ALL "NATIVE VEGETATION TO REMAIN"

PIPING MATERIAL SCHEDULE

MARK	SERVICE	BURIED PIPE			BURIED FITTINGS	
		MATERIAL	CLASS	LINING	MATERIAL	LINING
PW	POTABLE (> 10")	PVC	DR18	NA	DI	CEMENT
PW	POTABLE (≤ 10")	PVC	DR14	NA	DI	CEMENT
SD	STORMWATER (CROSS DRAIN)	RCP	CLASS III	NA	NA	
SD	STORMWATER (SIDE DRAIN)	PVC/HDPE	DOUBLE WALL	NA	NA	

NOTES:

1. ALL JOINTS SHALL BE MECHANICALLY RESTRAINED.

2. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ONTO THE SITE IN SUCH QUANTITIES AS DEEMED HAZARDOUS BY THE FIRE OFFICIAL, STABILIZED ACCESS ROADS AND A SUITABLE TEMPORARY SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED.

3. ADDRESS NUMBERS SHALL BE PROVIDED IN ACCORDANCE WITH LAND DEVELOPMENT CODE ARTICLE 14.

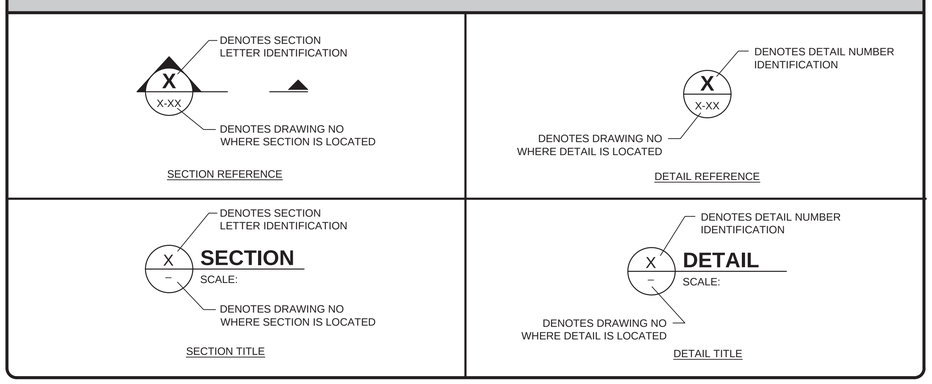
4. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL BE NSF STANDARD 61 APPROVED.

5. ALL PVC POTABLE WATER PIPING SHALL BE BLUE AND WASTEWATER PIPING SHALL BE GREE

LIST OF STANDARD ABBREVIATIONS

A	
AAP	ALARM ANNUNCIATOR PANEL
AARV	AUTOMATIC AIR RELEASE VALVE
AAV	AUTOMATIC AIR VENT
AB	ANCHOR BOLT
ABAN	ABANDON(ED)
ABV	ABOVE
AC	ALTERNATING CURRENT
ACCMP	ASPHALT-COATED CORRUGATED METAL PIPE
ACP	ASBESTOS CEMENT PIPE
ADDM	ADDENDUM
ADH	ADHESIVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AHD	AHEAD
AL	ALUMINUM
ALT	ALTERNATE
AMP	AMPERE
AMT	AMOUNT
ANT	ANTENNA
APRX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL)
AS	ALUM SOLUTION
ASPH	ASPHALT
ASSY	ASSEMBLY
AVE	AVENUE
A/C	AIR CONDITIONING
A/VV	AIR/VACUUM AIR VALVE
B	
BAF	BAFFLE
BCV	BALL CHECK VALVE
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BI	BLACK IRON
B/L	BASELINE
BLDG	BUILDING
BLK	BLOCK
BM	BENCH MARK
BOC	BACK OF CURB
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
BSP	BLACK STEEL PIPE
BV	BALL VALVE
BW	BOTH WAYS
BWW	BACKWASH WATER
C	
CAP	CAPACITY
CA	COMPRESSED AIR
CAV	COMBINATION AIR VALVE
CB	CATCH BASIN
CCC	CHLORINE CONTACT CHAMBER
CE	CHLORINATED EFFLUENT
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CV	CHECK VALVE
CI	CAST IRON
CIP	CAST IRON PIPE
CISP	CAST IRON SOIL PIPE
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
C/L	CENTER LINE
CLF	CHAIN LINK FENCE
CLR	CLEAR OR CLEARANCE
CLVT	CULVERT
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CNR	CORNER
CO	CLEAN OUT
COAG	COAGULANT
COL	COLUMN
COM	COMMON
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCT(ION)
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
COORD	COORDINATE
CO	COMPANY
CP	CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE
CPA	CONCRETE PIPE ARCH
CPLG	COUPLING
CR	CONCENTRIC REDUCER
CSG	CASING
CTV	CABLE TELEVISION
CY	CUBIC YARD
CYL	CYLINDER
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
D	
DAT	DATUM
DBL	DOUBLE
DC	DIRECT CURRENT
DEMO	DEMOLITION
DEPT	DEPARTMENT
DESC	DESCRIPTION
DET	DETAIL
DF	DIESEL FUEL
DH	DRILL HOLE
DI	DUCTILE IRON
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIR	DIRECTION
DMH	DROP MANHOLE
DN	DOWN
DR	DRAIN
DV	DIAPHRAGM VALVE
DW	DRIVEWAY
DWG	DRAWING
DWV	DRAIN, WASTE, AND VENT
E	
E	EAST
EA	EACH
EB	ELECTRIC RISER
ECC	ECCENTRIC
EF	EACH FACE
EFF	EFFLUENT
E/L	EASEMENT LINE
EL	ELEVATION
ELEC	ELECTRICAL
EM	ELECTRIC METER
EMER	EMERGENCY
EMC	ENCASE(MENT)
ENGR	ENGINEER
EP	EDGE OF PAVEMENT
EPRF	EXPLOSION PROOF
EQUIP	EQUIPMENT
ER	ECCENTRIC REDUCER
ESTM	EASEMENT
EST	ESTIMATE(D)
ET	ELECTRIC TRANSFORMER
EW	EACH WAY
EXC	EXCAVATE
EXP	EXPANSION
EXST	EXISTING
EXST GR	EXISTING GRADE
EXT	EXTERIOR
EXTN	EXTENSION
F	
F	FOUND
FCA	FLANGED COUPLING ADAPTER
FB	FLAT BAR
FCV	FLOW-CONTROL VALVE
FD	FLOOR DRAIN
FDN	FOUNDATION
FDC	FIRE DEPT CONNECTION
FE	FILTER(ED) EFFLUENT
FF	FINISH FLOOR
FH	FIRE HYDRANT
FIG	FIGURE
FIN	FINISH(ED)
FIN GR	FINISH GRADE
FL	FLUORIDE
FLG	FLANGE(D)
FLL	FLOW LINE
FLTR	FILTER
FM	FORCE MAIN
FO	FIBER OPTIC
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT OR FEET
FUT	FUTURE
FV	FOOT VALVE
FW	FINISHED WATER
FWP	FACTORY WIRED PANEL
F/F	FACE TO FACE
G	
G	GAS
GA	GAUGE
GAL	GALLON(S)
GALV	GALVANIZED
GIP	GALVANIZED IRON PIPE
GJ	GROOVE JOINT
GM	GAS METER
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GR	GRADE
GRTG	GRATING
GS	GALVANIZED STEEL
GSP	GALVANIZED STEEL PIPE
GSR	GROUND STORAGE RESERVOIR
GST	GROUND STORAGE TANK
GT	GROUT
GV	GAS VALVE
H	
HB	HOSE BIBB
HD	HEAVY-DUTY
HDPE	HIGH-DENSITY POLYETHYLENE
HDR	HYDRAULIC
HFA	HYDROFLUOSILICIC ACID
HGR	HANGER
HGT	HEIGHT
HNDRL	HAND RAIL
HOA	HAND-OFF-AUTO
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPA	HIGH PRESSURE AIR
HR	HOUR
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
HZ	HERTZ
I	
ID	INSIDE DIAMETER
IN	INCH(ES)
INF	INFLUENT
INT	INTERSECTION
INTR	INTERIOR
INV	INVERT
IP	IRON PIPE
IPS	INTERNATIONAL PIPE STANDARD
IR	IRON ROD
IRRV	IRRIGATION VALVE
IW	IRRIGATION WATER
J	
JB	JUNCTION BOX
JBL	JURISDICTIONAL BOUNDARY LINE
JT	JOINT
K	
KPL	KICK PLATE
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
KWH	KILOWATT-HOUR
L	
L	LEFT
LAB	LABORATORY
LATL	LATERAL
LAV	LAVATORY
LEN	LENGTH
LB	POUND(S)
LF	LINEAR FEET
LP	LIGHT POLE
LS	LIME SLURRY
LSS	LIME STABILIZED SLUDGE
LVR	LOUVER
LWL	LOW WATER LEVEL
M	
M	METER
MAINT	MAINTAIN OR MAINTENANCE
MAN	MANUAL(LY)
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MAILBOX
MCC	MOTOR CONTROL CENTER
ME	MITERED END
MECH	MECHANICAL
MEG	MATCH EXISTING GRADE
MFR	MANUFACTURE(R)
MG	MILLION GALLONS
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MI	MILE(S)
MIN	MINIMUM, MINUTE(S)
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
ML	MIXED LIQUOR
MO	MASONRY OPENING
MON	MONUMENT
MPH	MILES PER HOUR
MPT	MALE PIPE THREAD
MS	MOTOR STARTER
MSP	MOTOR STARTER PANEL
MTD	MOUNTED
MV	MOTORIZED VALVE
MW	MONITORING WELL
MWL	MEAN WATER LEVEL
MWP	MAXIMUM WORKING PRESSURE
N	
N	NORTH
ND	NAIL & DISK
NE	NORTHEAST
NIC	NOT IN CONTRACT
NL	NAIL
NO	NUMBER
NOM	NOMINAL
NPF	NATIONAL PIPE THREAD
NPT	NATIONAL PIPE TAPER (THREAD)
NPW	NON-POTABLE WATER
NRS	NON-RISING SYSTEM
NTS	NOT TO SCALE
NW	NORTHWEST
N/A	NOT APPLICABLE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
ODP	OPEN DRIP PROOF
OE	OVERHEAD UTILITY LINES
OF	OUTSIDE FACE
OH	OVER HEAD
OHW	OVER HEAD WIRE
OPP	OPPOSITE
OPT	OPTIONAL
OR	OFFICIAL RECORDS
OSY	OUTSIDE SCREW AND YOKE
O&M	OPERATION AND MAINTENANCE
P	
P	POST
PA	PROCESS AIR
PB	PLAT BOOK
PC	POINT OF CURVE
PCM	PERMANENT CONTROL MONUMENT
PE	PLAIN END
PG	PAGE
PI	POINT OF INTERSECTION
PK	PK NAIL
PL	PLATE
P/L	PROPERTY LINE
PNV	PINCH VALVE
POB	POINT OF BEGINNING
POJ	PUSH-ON JOINT
POL	POLYMER
PP	POWER POLE
PPD	POUNDS PER DAY
PPM	PARTS PER MILLION
PREFAB	PREFABRICATED
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PRW	PROCESS WATER
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAGE
PT	POINT OF TANGENCY
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
PWR	POWER
Q	
Q	FLOW
QTY	QUANTITY
R	
RAD	RADIUS
RAS	RETURN ACTIVATED SLUDGE
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
RDCR	REDUCER
REBAR	REINFORCING STEEL
REF	REFERENCE
REINF	REINFORCE(D)(ING)(MENT)
REM	REMOVE(ABLE)
REQ'D	REQUIRED
RF	RAISED FACE
RJ	RESTRAINED JOINT
RM	ROOM
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RVT	RIVETED
RW	RAW WATER
RWM	RECLAIMED WATER MAIN
RWW	RAW WASTEWATER
R/W	RIGHT-OF-WAY
S	
S	SOUTH
SA	SAMPLE LINE
SAN	SANITARY
SEC	SECTION CORNER
SCHED	SCHEDULE
SD	STORM DRAIN
SE	SOUTHEAST
SECT	SECTION
SEFF	SECONDARY EFFLUENT
SF	SQUARE FOOT OR FEET
SH	SPRINKLER HEAD
SHT	SHEET(ED)(ING)
SIG	SIGNAL
SIM	SIMILAR
SL	SLUDGE
SLV	SLEEVE
SM	SHEET METAL
SOLN	SOLUTION
SP	SOIL PIPE, SPACE(ING)
SPEC	SPECIFICATION
SPIG	WATER SPIGOT
SPRT	SUPPORT
SQ	SQUARE
SS	SANITARY SEWER
SSE	SUBSTANDARD EFFLUENT
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STK	STAKE
STL	STEEL
STR	STRAIGHT
STRUCT	STRUCTURAL
SURF	SURFACE
SV	SEWER VALVE
SVCE	SERVICE
SVW	SERVICE WATER
SW	SOUTHWEST
SWD	SIDEWATER DEPTH
SWSH	SURFACE WASH
SYM	SYMBOL
SYMM	SYMMETRICAL
S/W	SIDEWALK
T	
TAN	TANGENT
TB	TELEPHONE RISER
TBM	TEMPORARY BENCH MARK
TB-xx	TEST BORING-xx (e.g. TB-1)
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TE	TOTALLY ENCLOSED
TEFC	TOTALLY ENCLOSED FAN COOLED
TEL	TELEPHONE
TENV	TOTALLY ENCLOSED NON-VENTILATED
THD	THREAD(ED)
THK	THICK(NESS)
TLM	TELEMETRY
TOB	TOP OF BANK
TOC	TOP OF CURB
TOS	TOE OF SLOPE
TOT	TOTAL
TP	TRAVERSE POINT
TS	THICKENED SLUDGE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POST
TV	CABLE TELEVISION
TYP	TYPICAL
T&B	TOP AND BOTTOM
U	
UD	UNDERDRAIN
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND
ULT	ULTIMATE
UN	UNION
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UTV	UNDERGROUND TELEPHONE CABLE
V	
V	VOLT(S)
VAC	VACUUM
VAR	VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	
W	WATER MAIN
WAS	WASTE ACTIVATED SLUDGE
WCO	WALL CLEAN OUT
WF	WIDE FLANGE
WH	WALL HYDRANT
WL	WATER LINE
WM	WATER METER
WP	WATER PROOF(ING), WORKING POINT
WPR	WORKING PRESSURE
WS	WATER SURFACE
WSP	WELDED STEEL PIPE
WT	WEIGHT
WTP	WATER TREATMENT PLANT
WV	WATER VALVE
WW	WASTEWATER
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WWTP	WASTEWATER TREATMENT PLANT
W/	WITH
W/O	WITHOUT
X	
XC	X CUT
XFER	TRANSFER
Y	
YD	YARD(S)
YH	YARD HYDRANT
YR	YEAR(S) YR

REFERENCE SYMBOLS



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C-508	CIVIL DETAILS

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DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ABBREVIATIONS, LEGEND & INDEX OF SHEETS

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G-002

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

DEMOLITION KEY PLAN

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Sheet

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Sheet

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

DEMOLITION KEY PLAN

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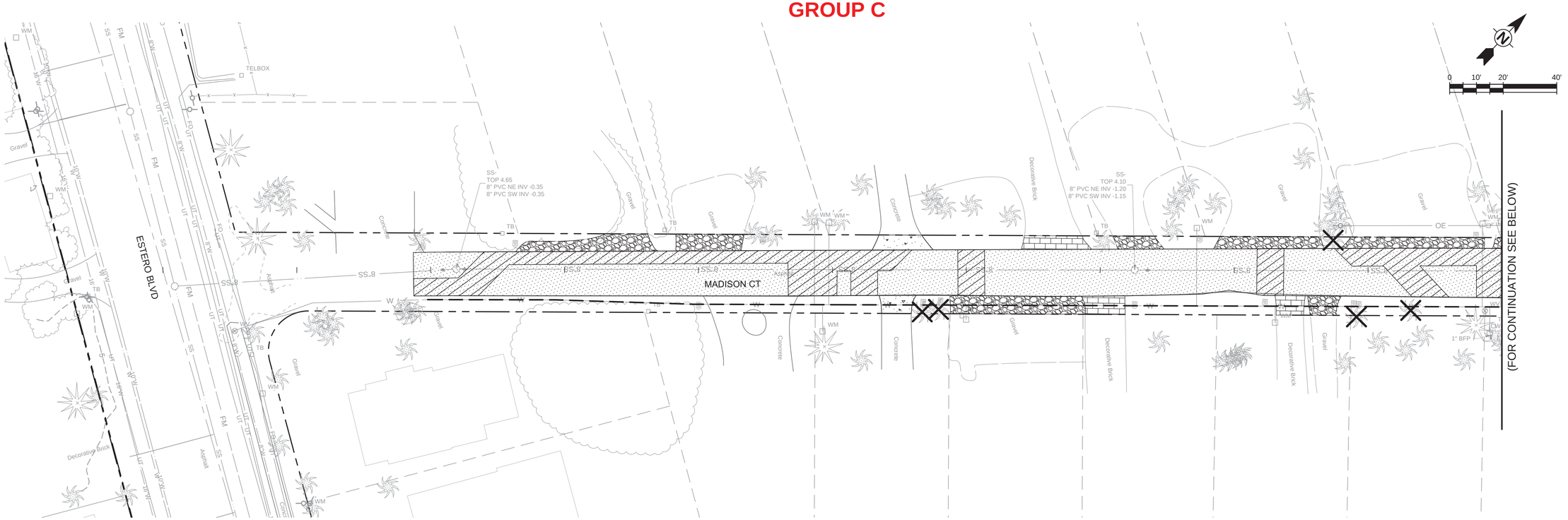
GROUP C



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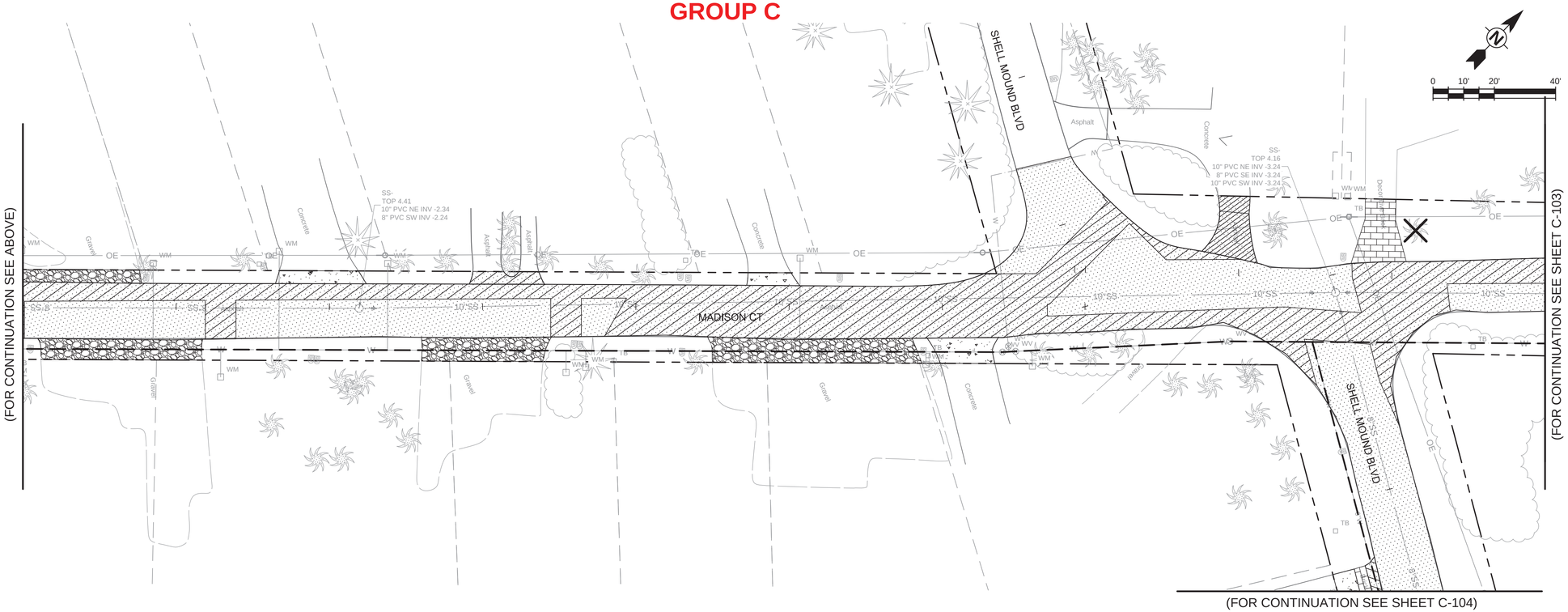

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT DEMO PLAN

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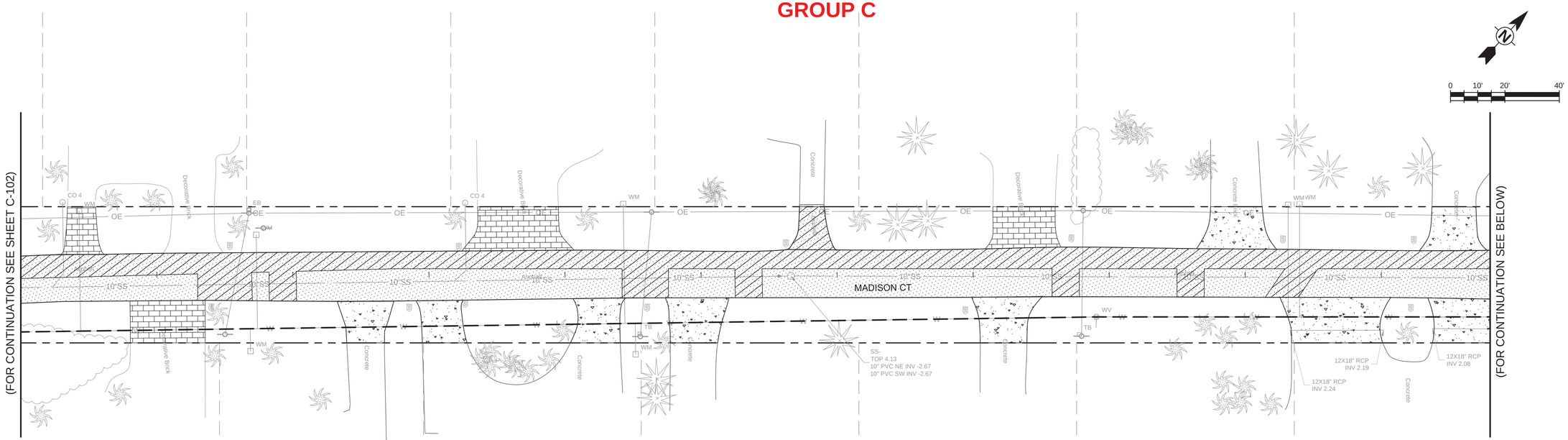

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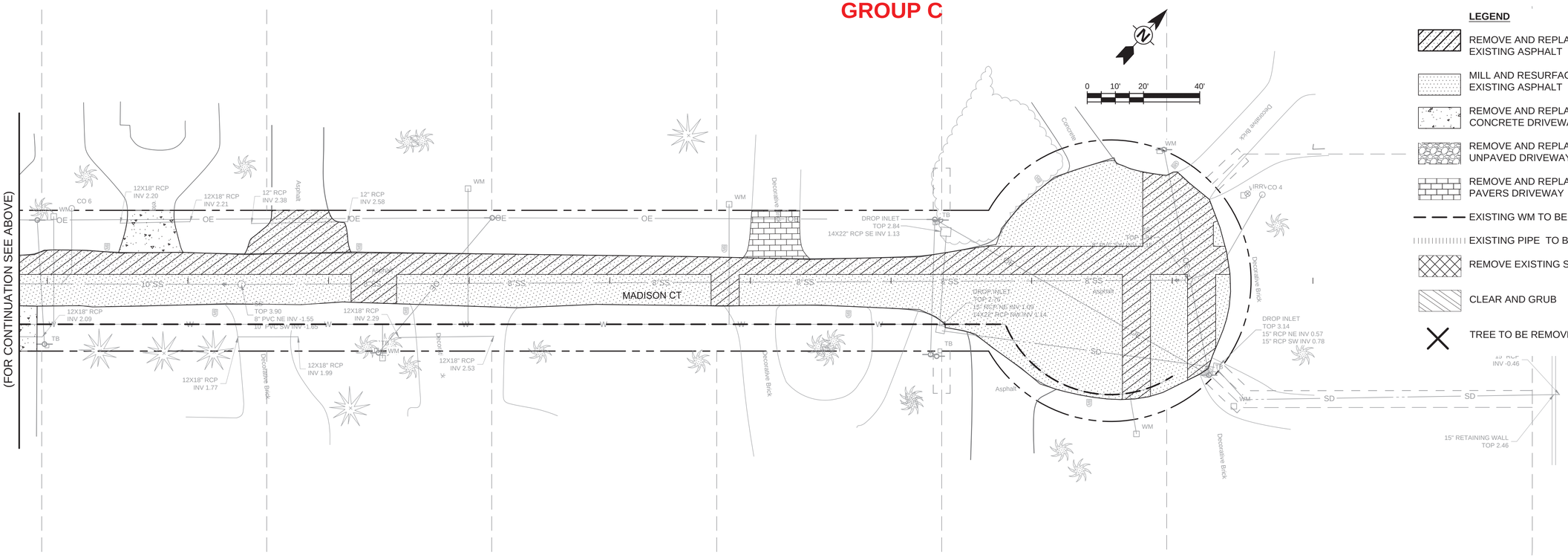

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- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT
DEMO PLAN

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(FOR CONTINUATION SEE SHEET C-103)

GROUP C

SHELL MOUND BLVD

MADISON CT

WASHINGTON CT

WASHINGTON AVE

JEFFERSON ST

SS-
TOP 4.16
INV -3.24
INV -3.24
INV -3.24

SS-
TOP 4.05
10" PVC SE INV -3.85
8" PVC SW INV -3.55
6" PVC NW INV -3.90

SS-
TOP 3.87
10" PVC NE INV -6.03
10" PVC SE INV -5.93
10" PVC SW INV -5.53
6" PVC SW INV -6.03
10" PVC NW INV -4.43

DROP INLET
TOP 2.84
18" RCP NE INV -2.64
15" CPP E INV 0.72
18" CPP SE INV 0.67

15" RCP
INV 1.00

DROP INLET
TOP 3.04
15" RCP NW INV 1.02
15" CPP NW INV 1.43
WEIR 24 SE INV 2.32

SS-
TOP 4.13
10" PVC NE INV -2.62
10" PVC SE INV -4.12
10" PVC NW INV -4.07

Decorative Brick

BUILDING

Gravel

Concrete

Asphalt

Pool

0 10' 20' 40'

(FOR CONTINUATION SEE BELOW)

(FOR CONTINUATION SEE SHEET C-102)

GROUP C

SHELL MOUND BLVD

JEFFERSON CT

MID ISLAND DR

CONNECTICUT ST

SS-
TOP 4.14
8" PVC NE INV -0.56
8" PVC SW INV -0.56

SS-
TOP 4.15
8" PVC NW INV -1.85
10" PVC SE INV -5.45
8" PVC SW INV -4.75
10" PVC NW INV -5.25

15" RETAINING WALL
TOP 3.38

15" RETAINING WALL
TOP 3.46

15" RETAINING WALL
TOP 3.44

15" RETAINING WALL
TOP 3.42

DECK
TOP 2.46

DECK
TOP 2.67

WATER ELEV
-1.27

STEELCRANK

STEELCRANK

15" RCP
INV 0.01

DROP INLET
TOP 2.54
15" RCP INV 0.33

GRATE
TOP 3.36

GRATE
TOP 3.32

12X15" RCP
INV 1.57

12X18" RCP
INV 1.57

12X18" RCP
INV 1.67

12X15" RCP
INV 1.61

12X15" RCP
INV 1.34

Decorative Brick

Pool

Concrete

Gravel

Asphalt

BUILDING

0 10' 20' 40'

(FOR CONTINUATION SEE SHEET C-105)

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

TETRA TECH
www.tetratech.com
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201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SHELL MOUND BOULEVARD
DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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C-104

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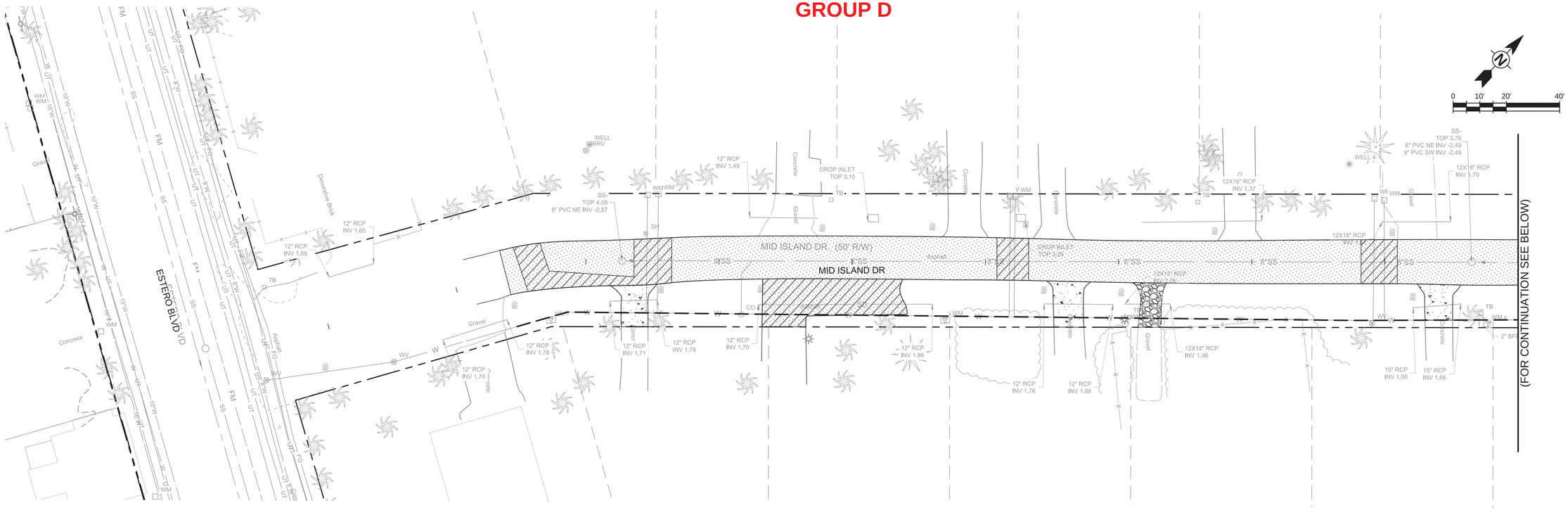
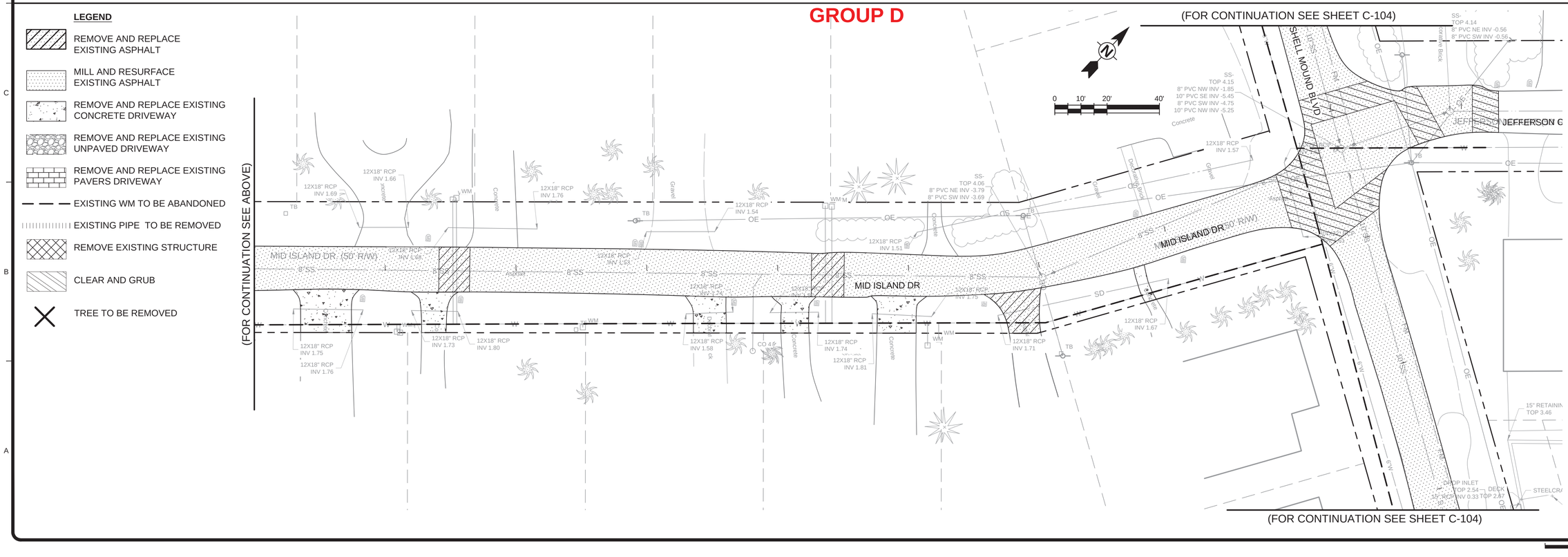
GROUP D



GROUP D



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MID ISLAND DRIVE
DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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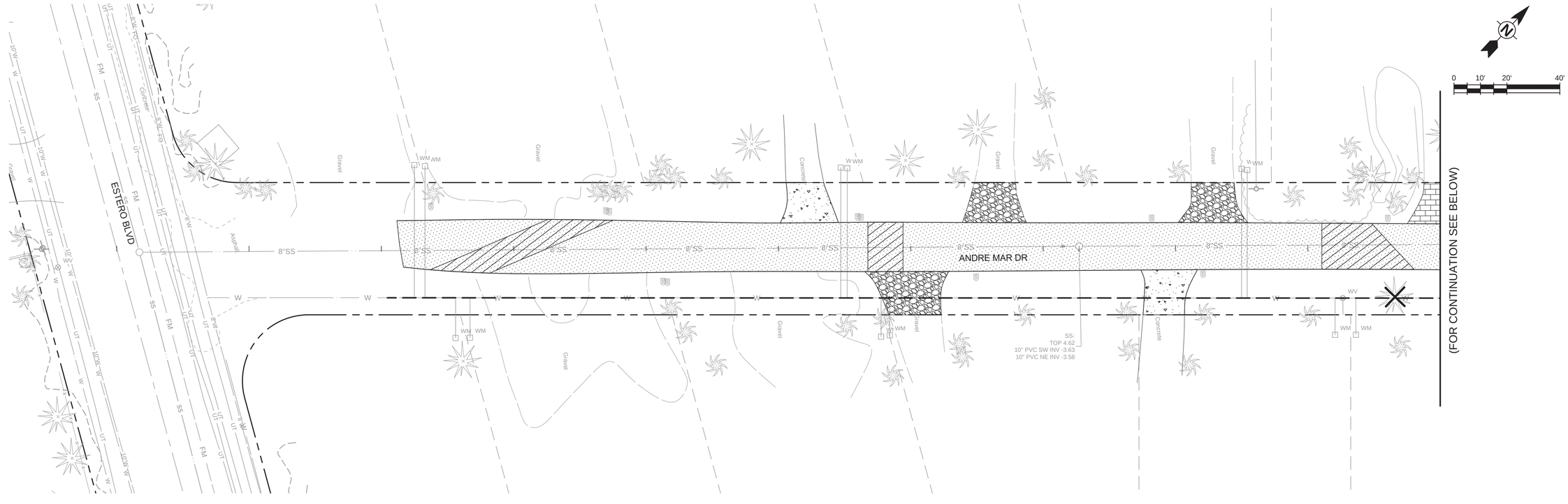
GROUP C



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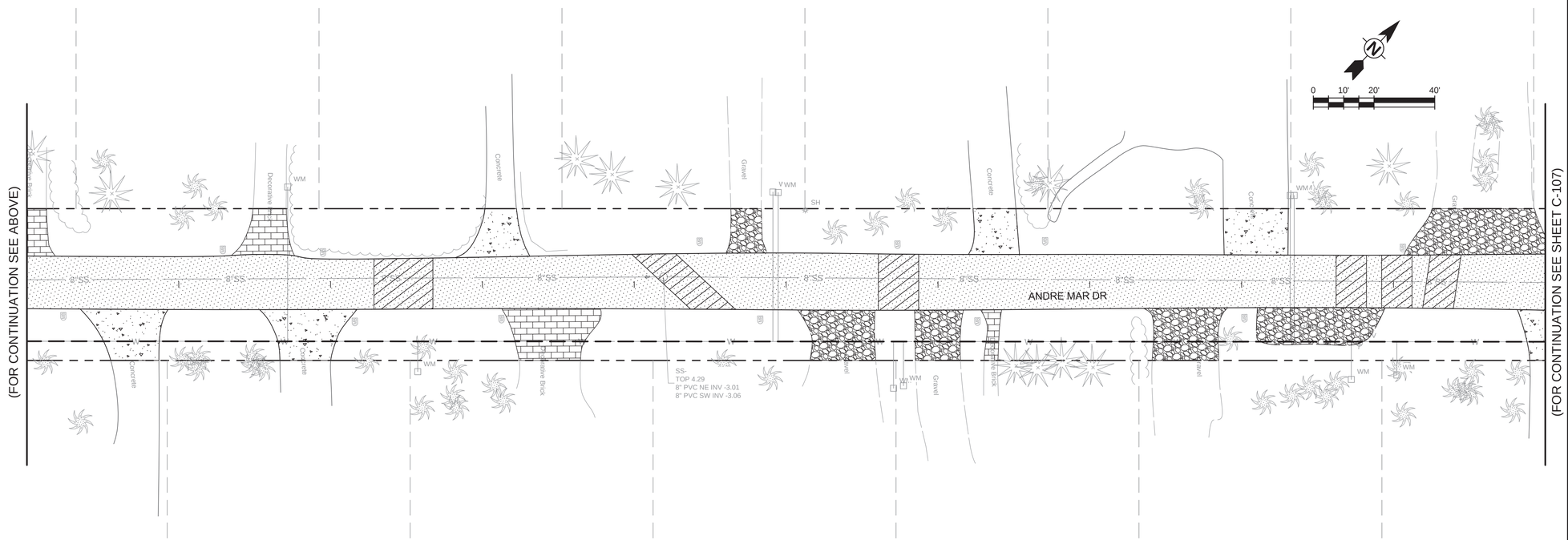

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANDRE MAR DRIVE
DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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C-106

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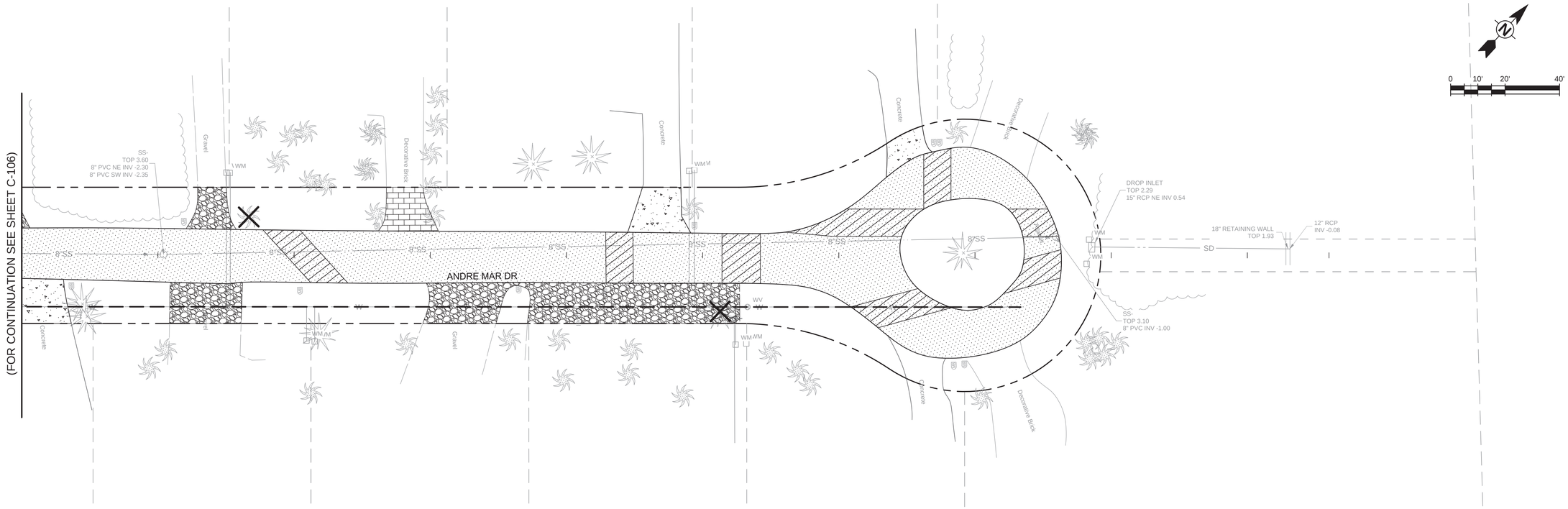
GROUP C



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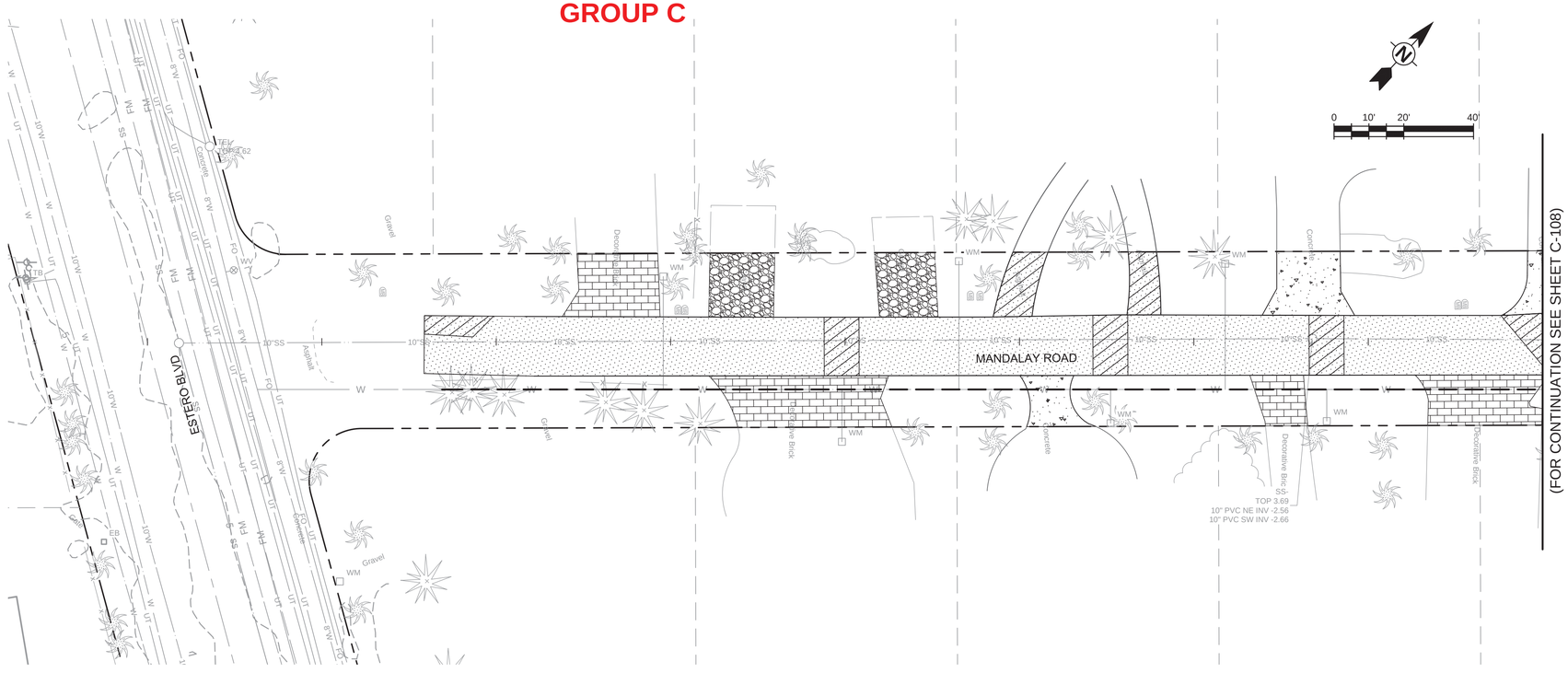

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANDRE MAR DR & MANDALAY RD DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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C-107

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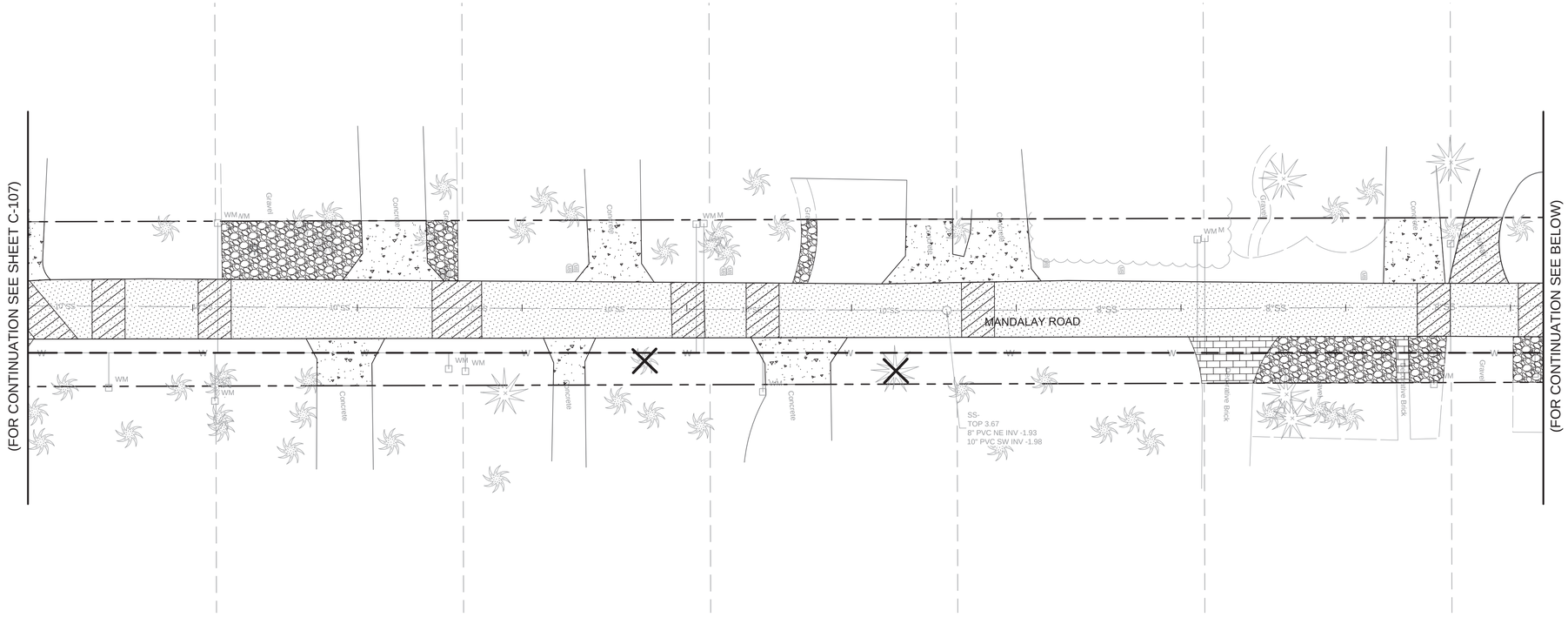
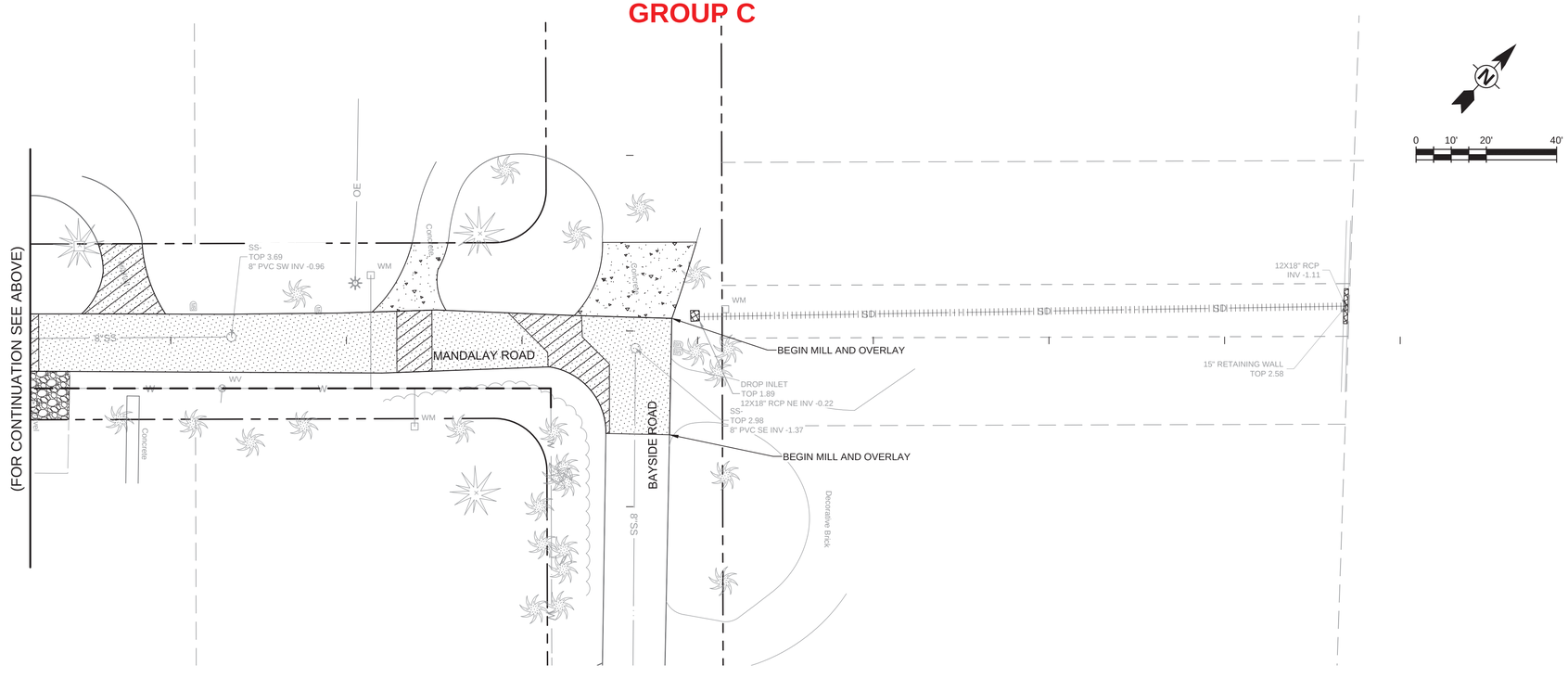
GROUP C





LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MANDALAY ROAD
DEMO PLAN

Project No.: 200-74765-18005
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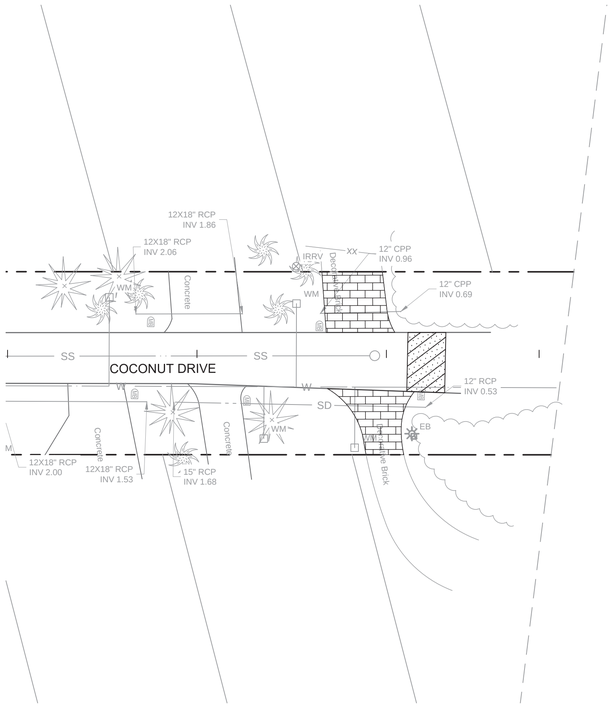
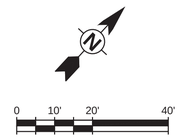
GROUP A

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED





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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

COCONUT DRIVE
DEMO PLAN

Project No.: 200-74765-18005
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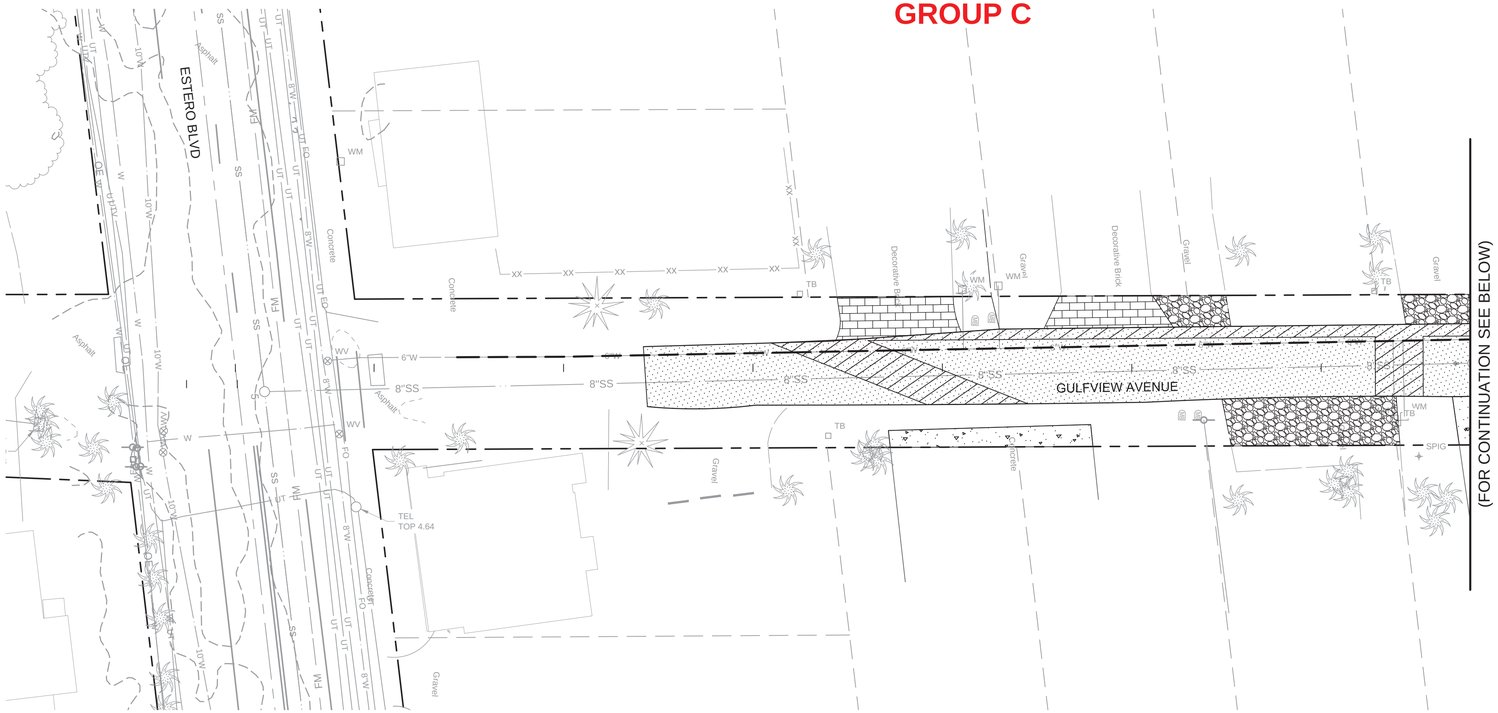
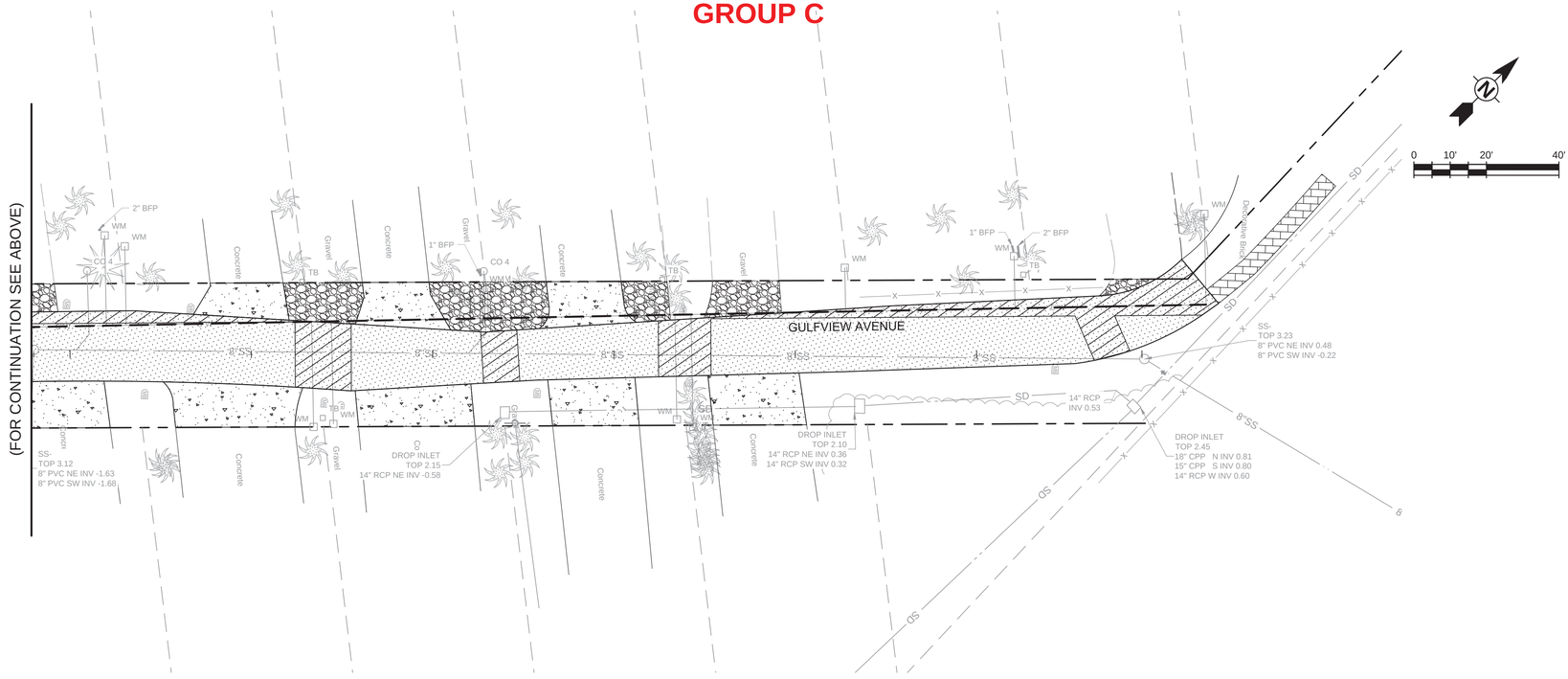
GROUP C



GROUP C



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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Orlando, Florida 32801
Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

GULFVIEW AVENUE
DEMO PLAN

Project No.: 200-74765-18005
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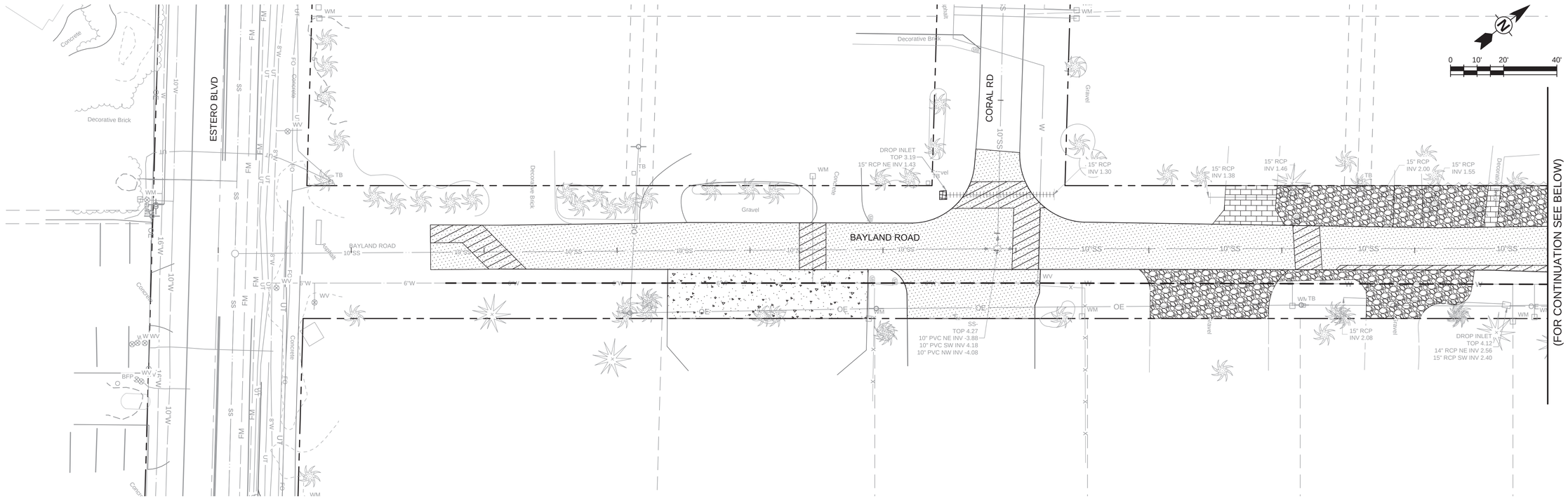
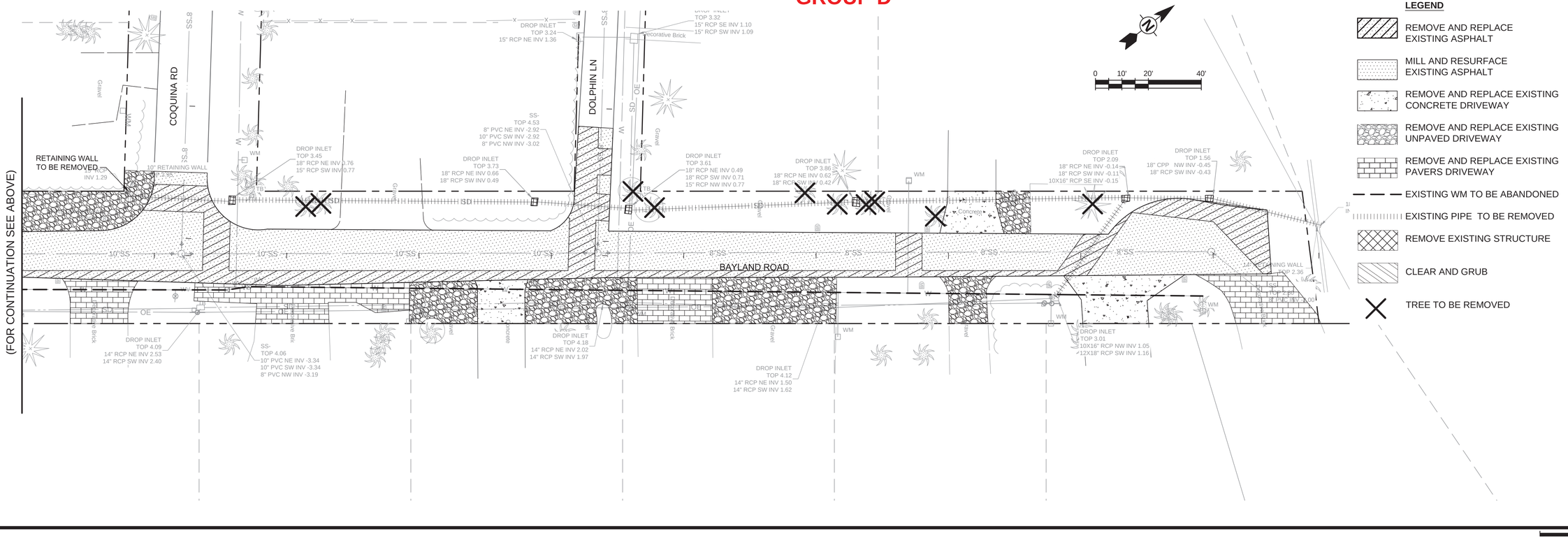
GROUP D



GROUP D



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

BAYLAND ROAD
DEMO PLAN

Project No.: 200-74765-18005
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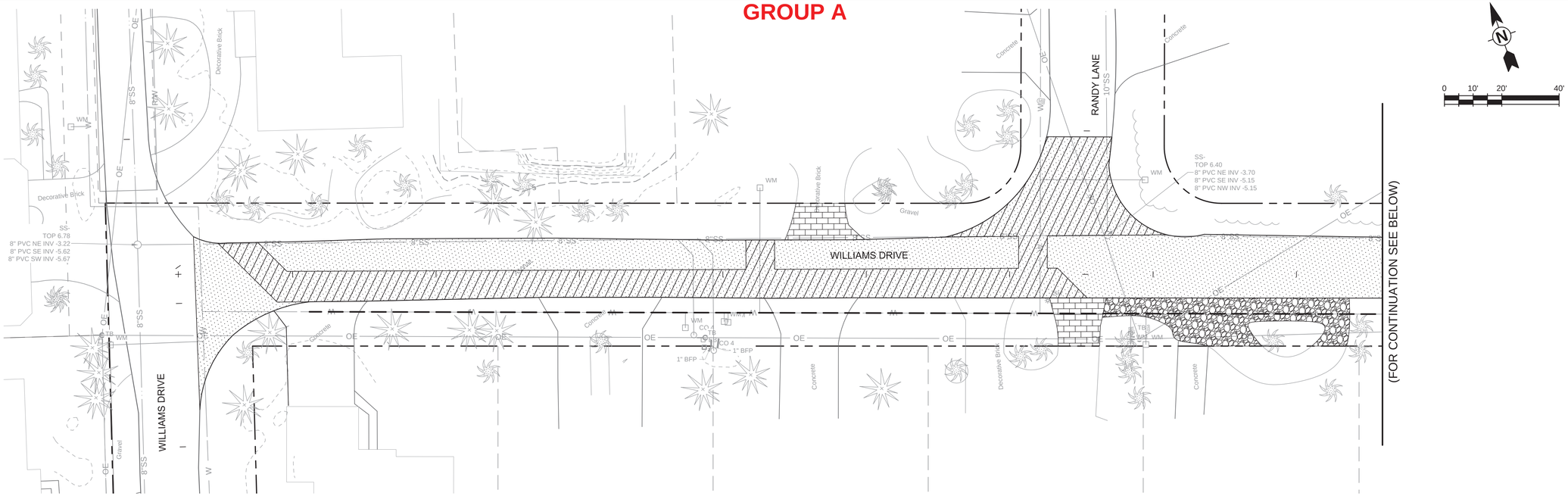
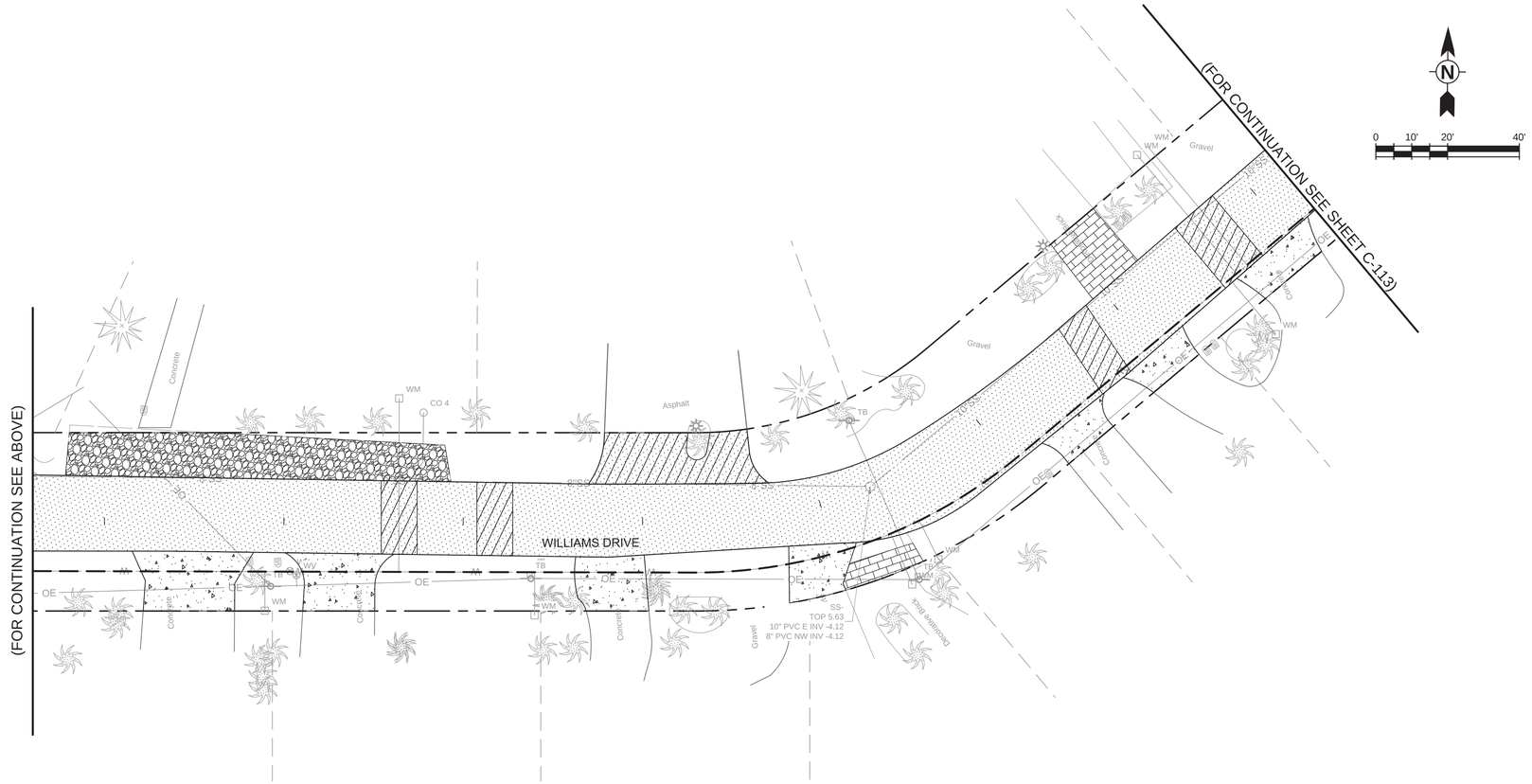
GROUP A



GROUP A



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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Checked By:

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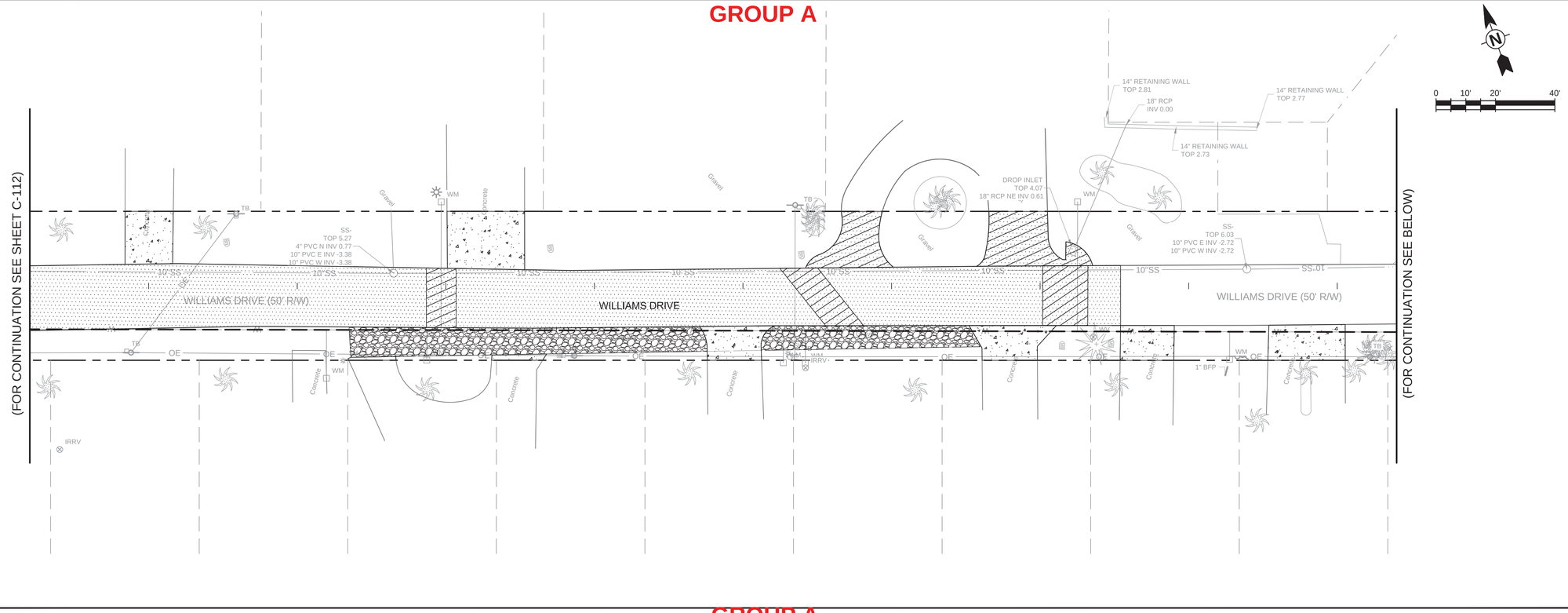

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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Orlando, Florida 32801
Engineering Business No. 2429

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MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE DEMO PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
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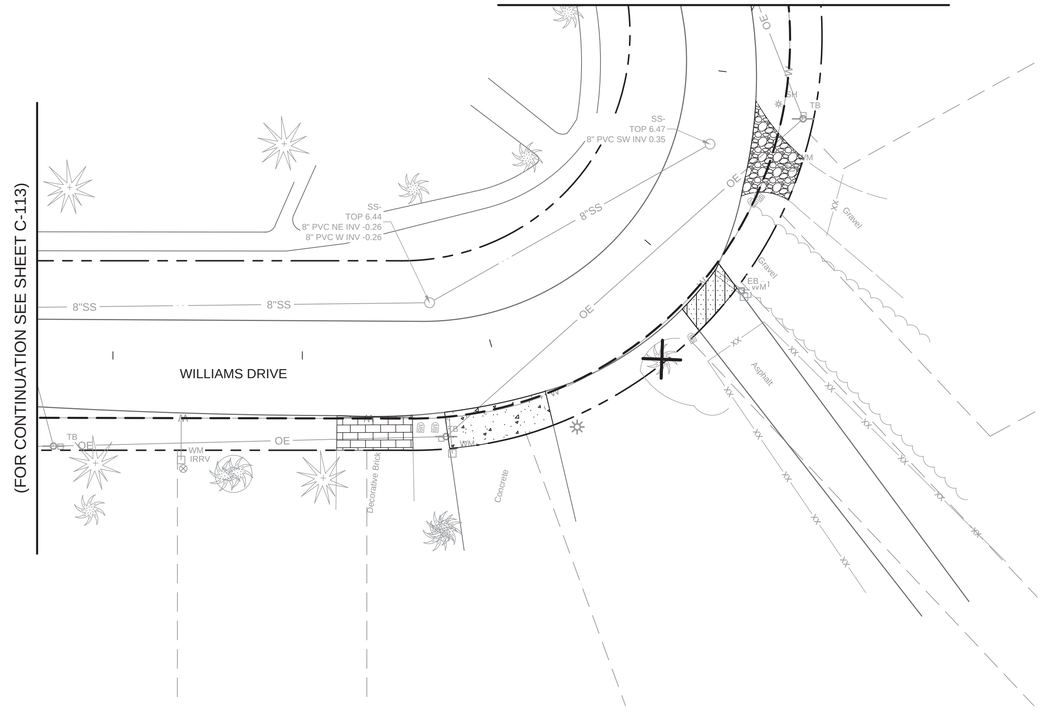
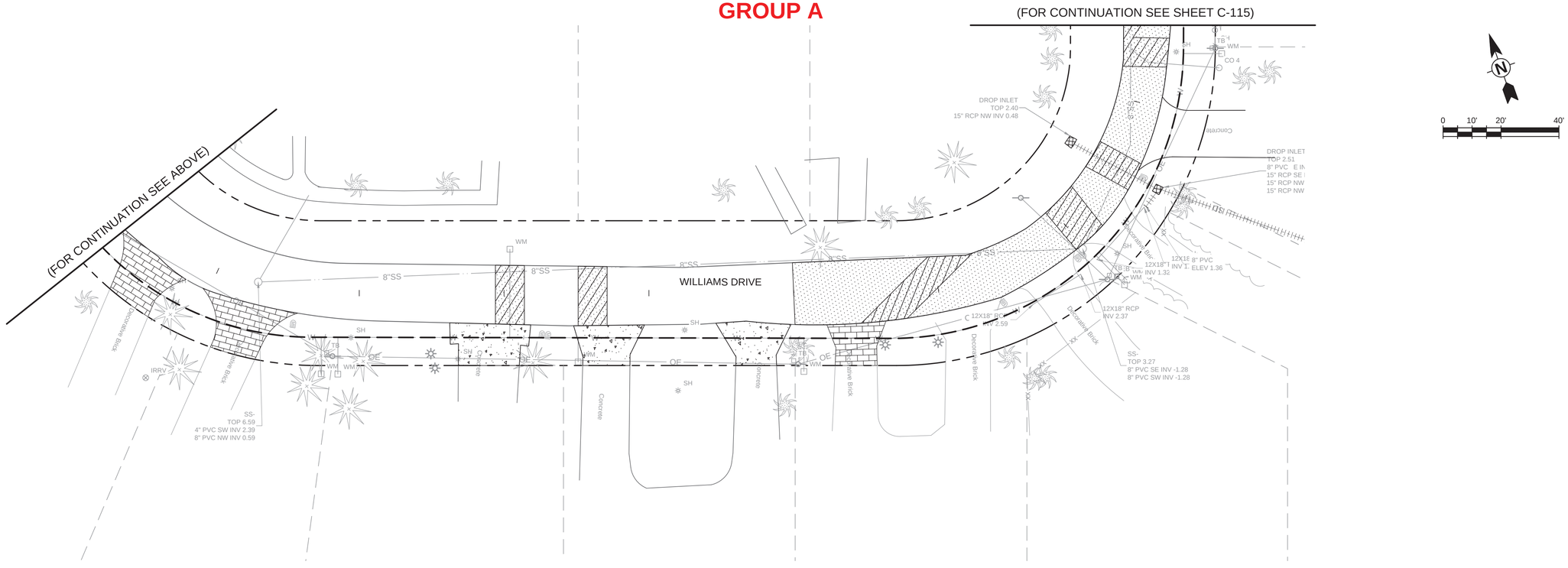
LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

GROUP A



GROUP A



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Timothy A. Vanderwalker, P.E.
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Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE DEMO PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-114

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Bar Measures 1 inch

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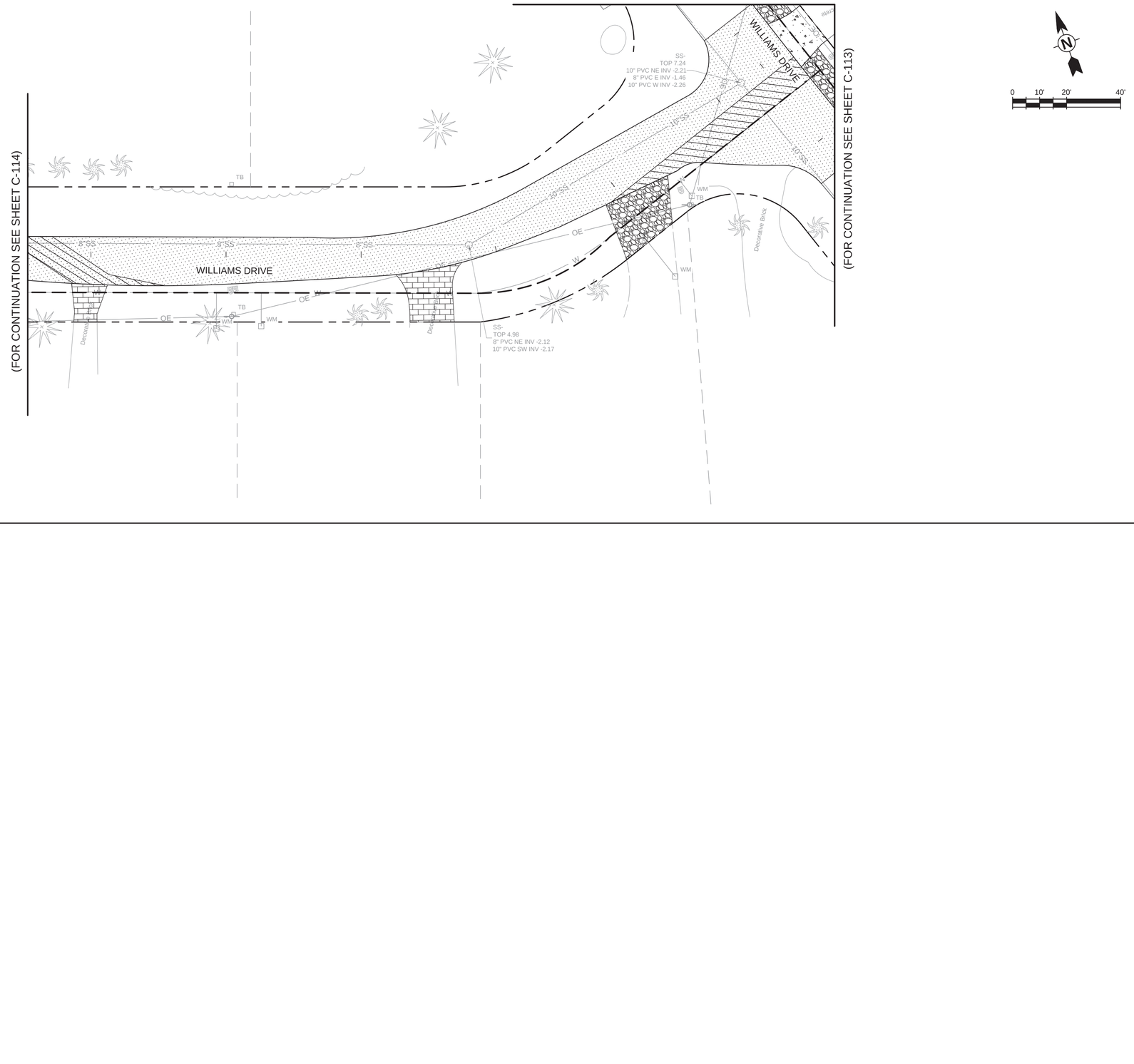
GROUP A

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED



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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE
DEMO PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-115

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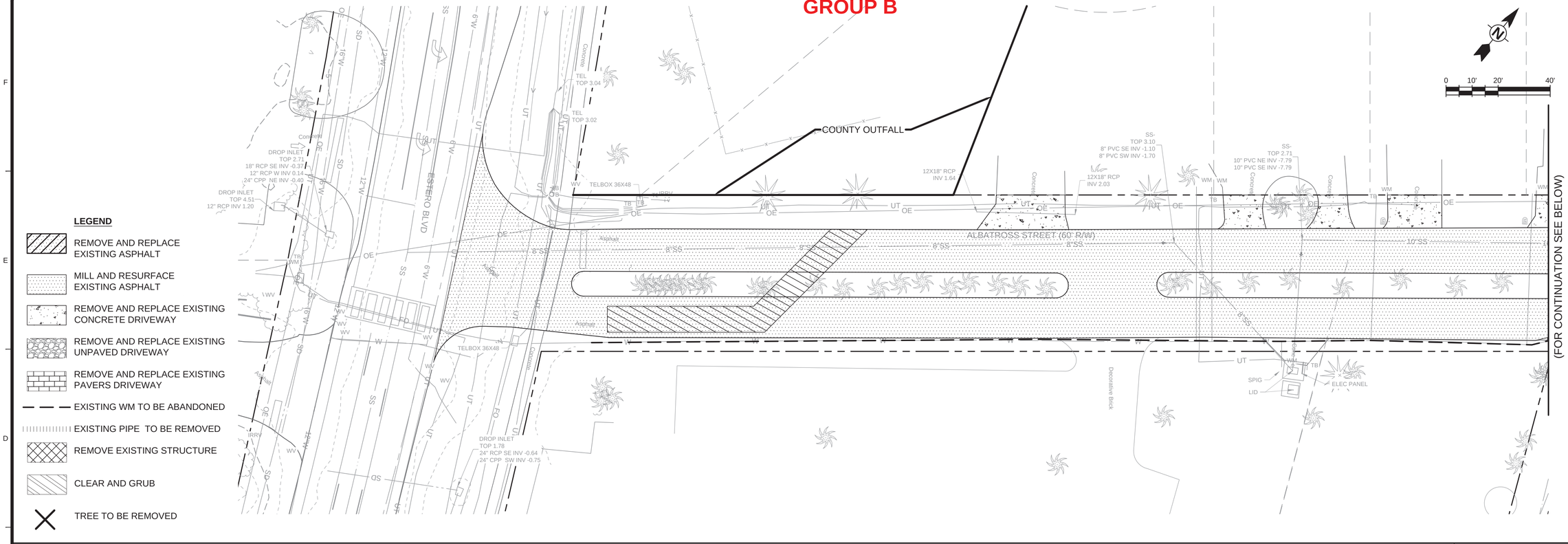
Bar Measures 1 inch

8/4/2022 11:40:38 AM - P:\JER\74765\200-74765-18005\CAD\SHEETFILES\C-100 DEMO.DWG - MONTALVO, ANGEL

GROUP B



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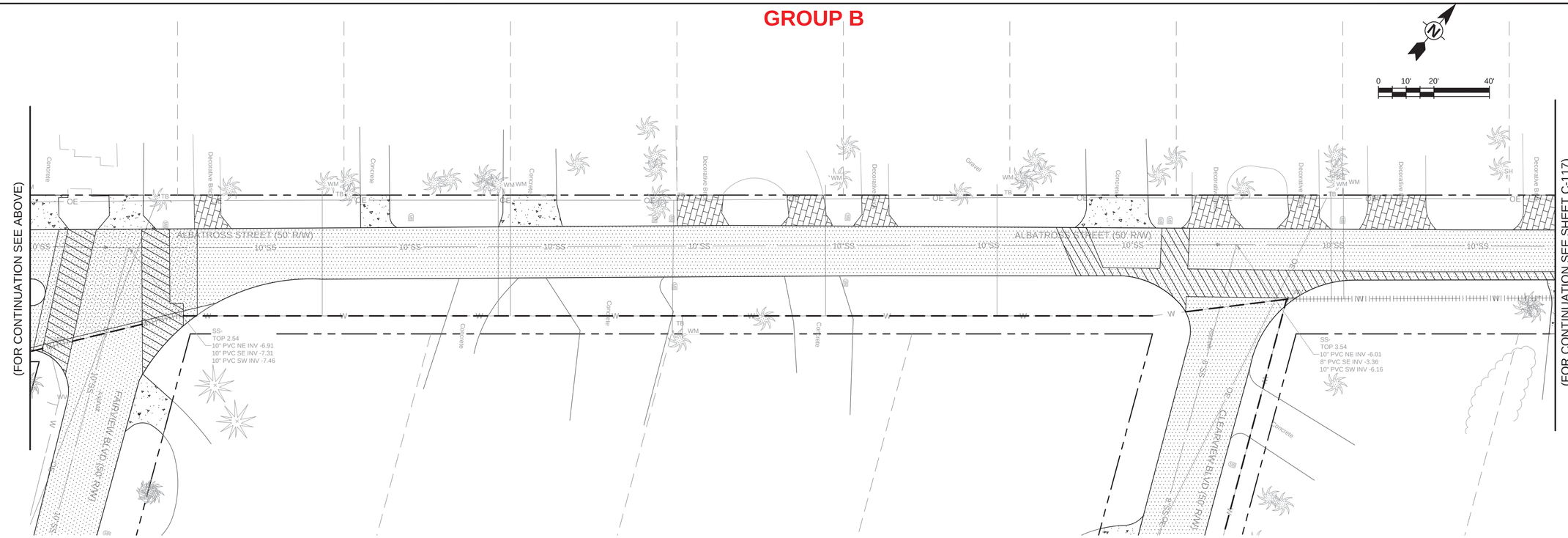

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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Checked By:

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Bar Measures 1 inch

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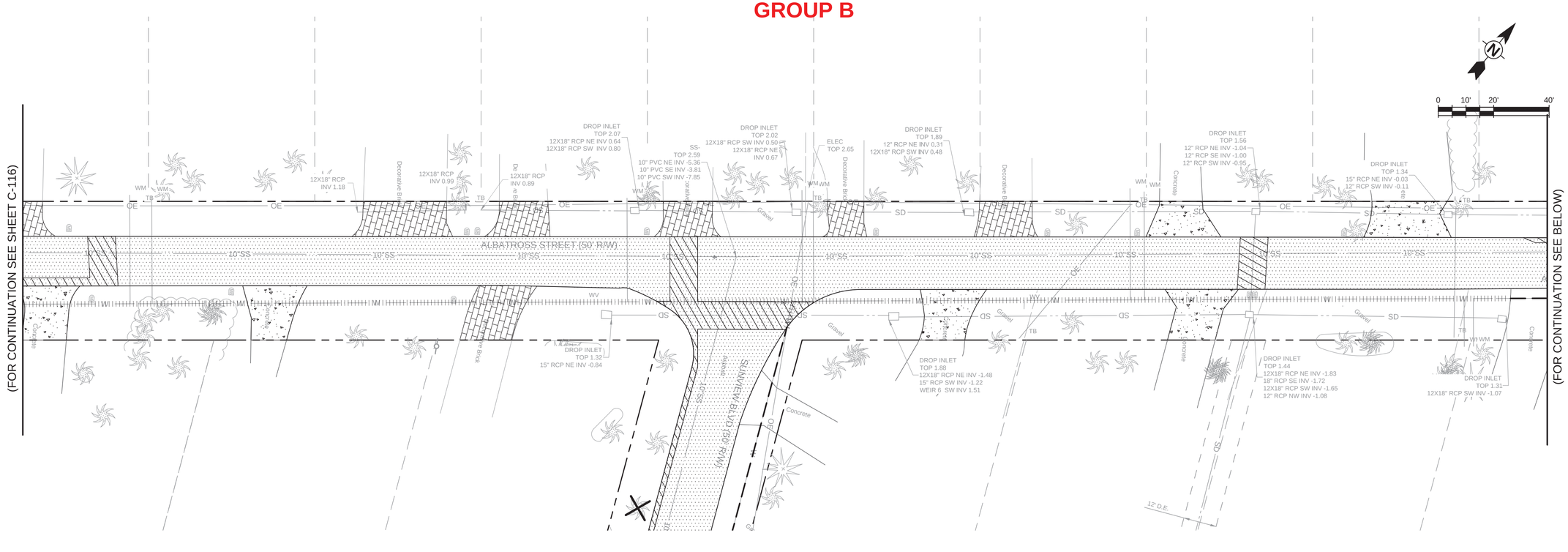
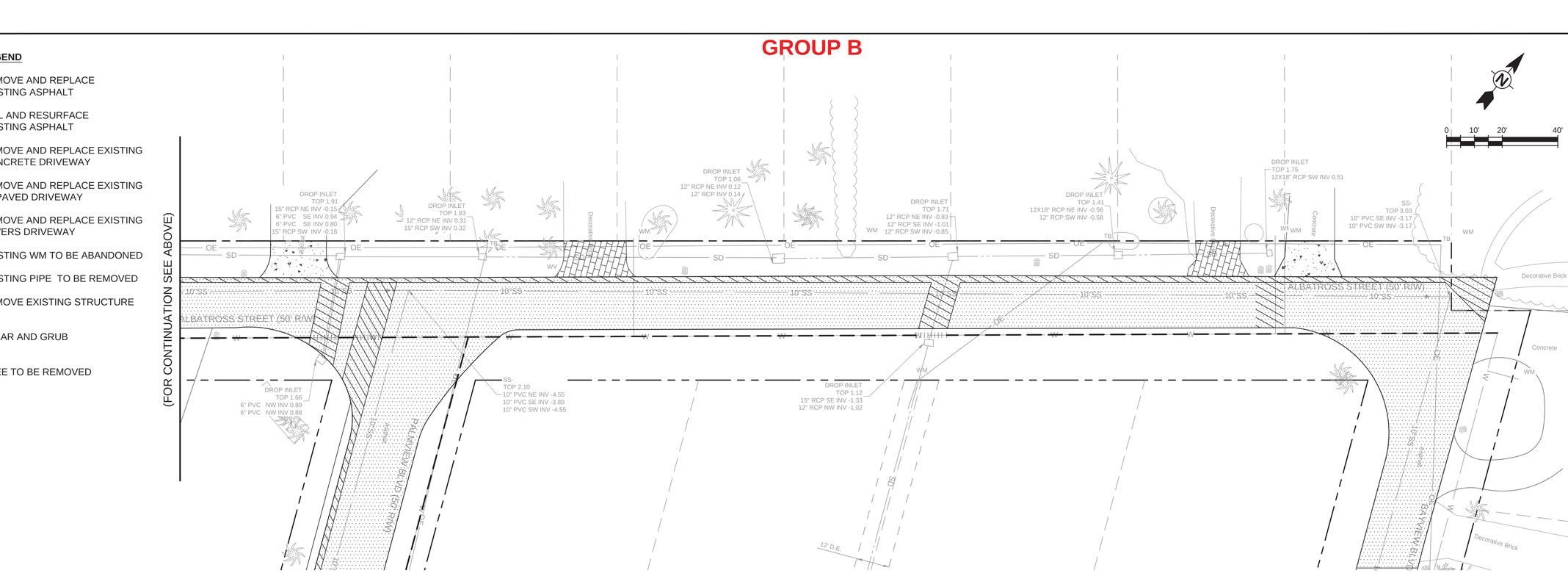
GROUP B





LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

Bar Measures 1 inch

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET DEMO PLAN

Project No.: 200-74765-18005
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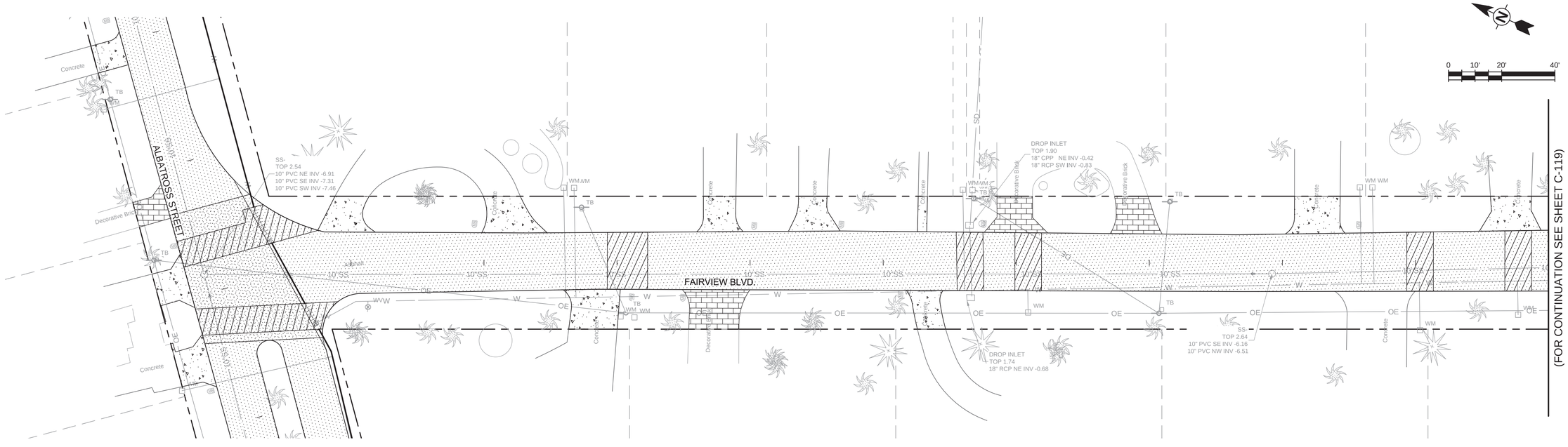
LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

GROUP B



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BOULEVARD
DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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Bar Measures 1 inch

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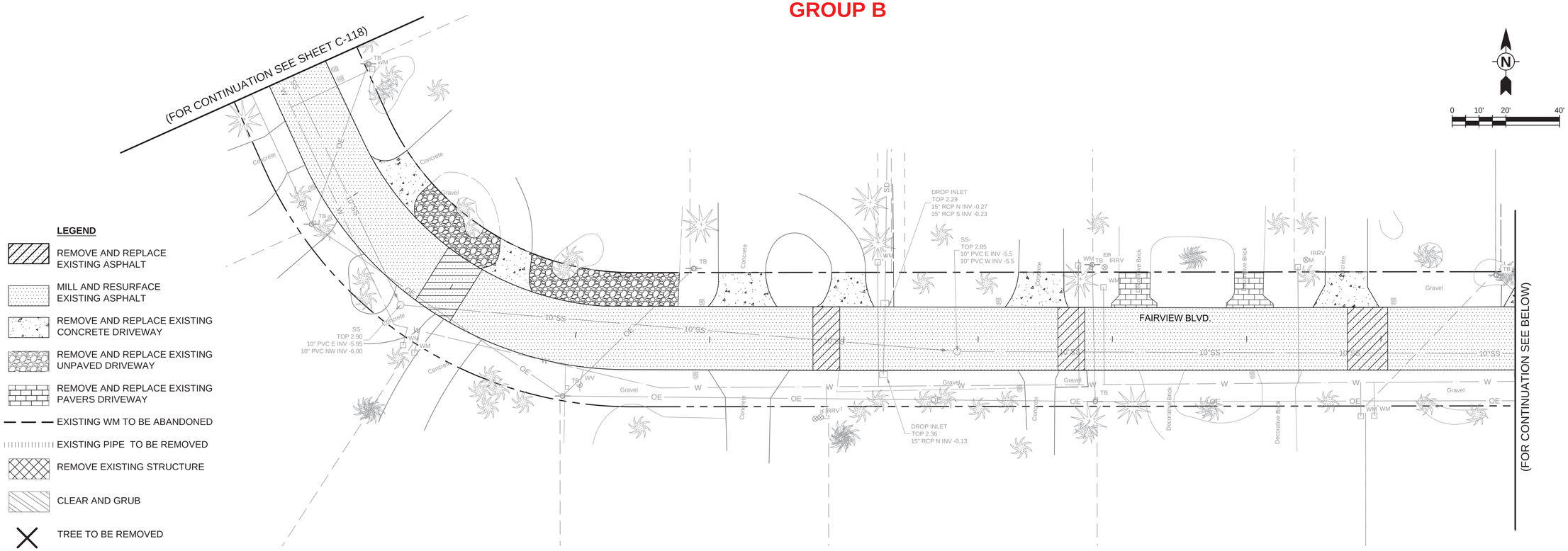
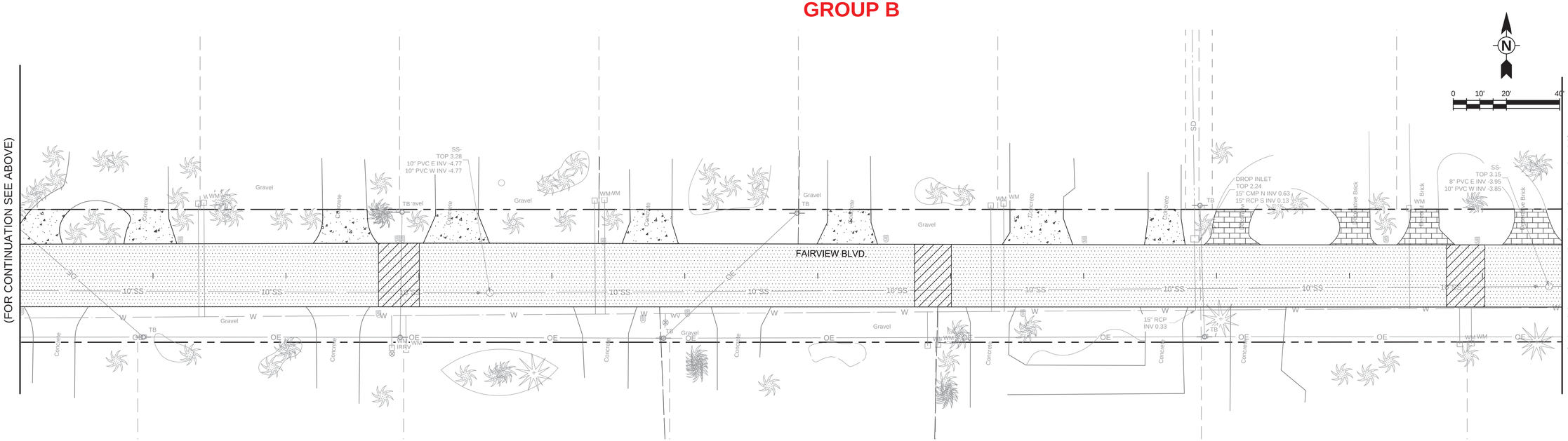
GROUP B



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

GROUP B



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BOULEVARD
DEMO PLAN

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Bar Measures 1 inch

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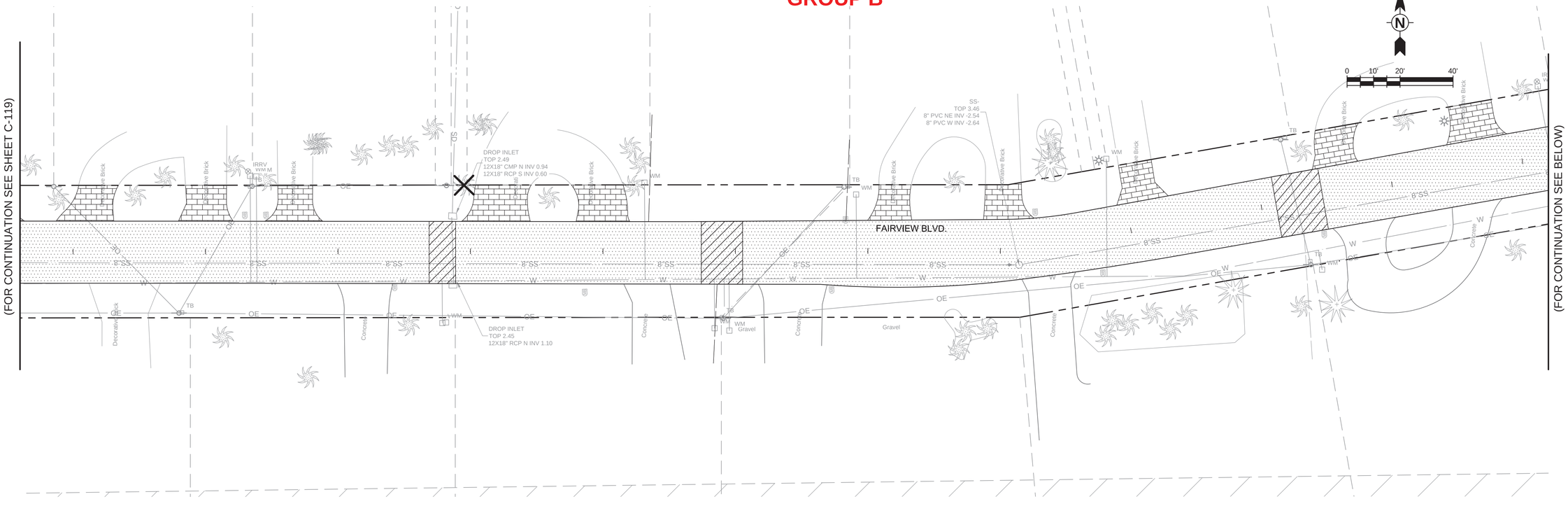
GROUP B



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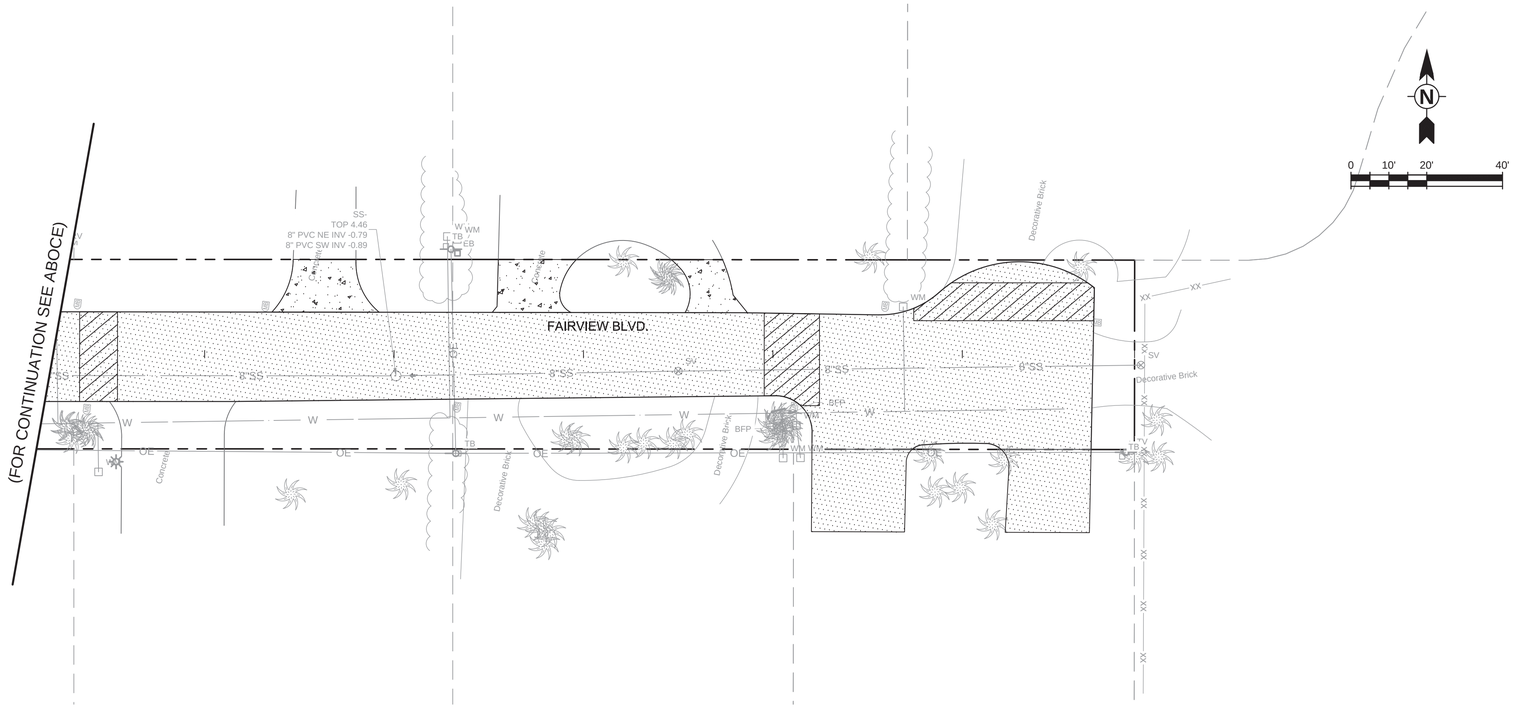

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BOULEVARD
DEMO PLAN

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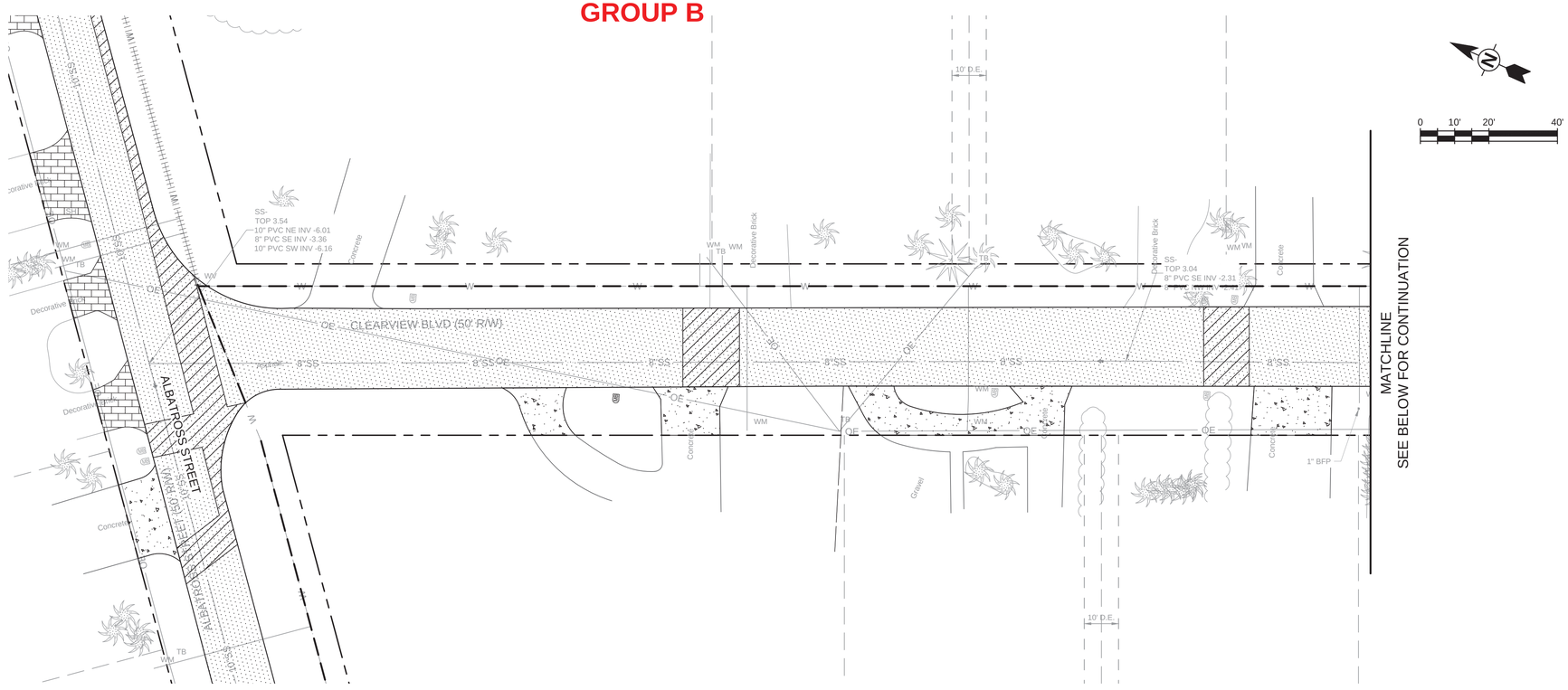
GROUP B

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED



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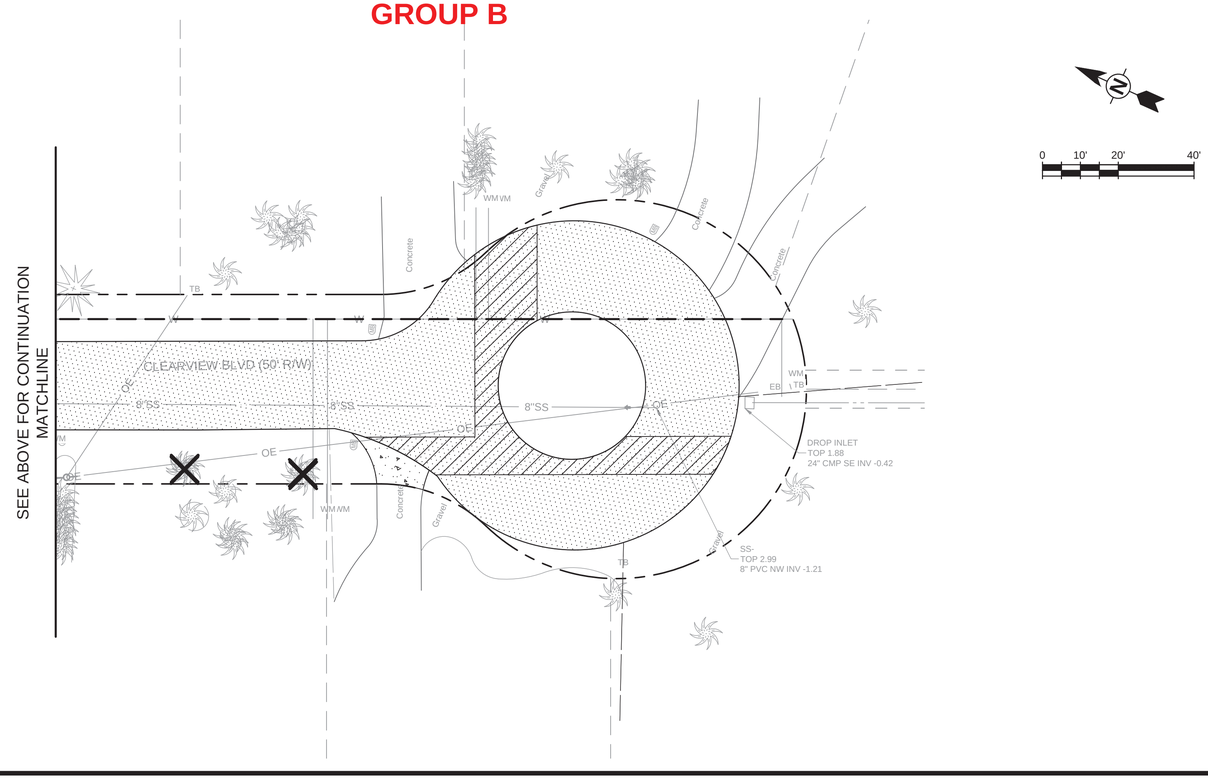

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

CLEARVIEW BLVD DEMO PLAN

Project No.: 200-74765-18005
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Bar Measures 1 inch

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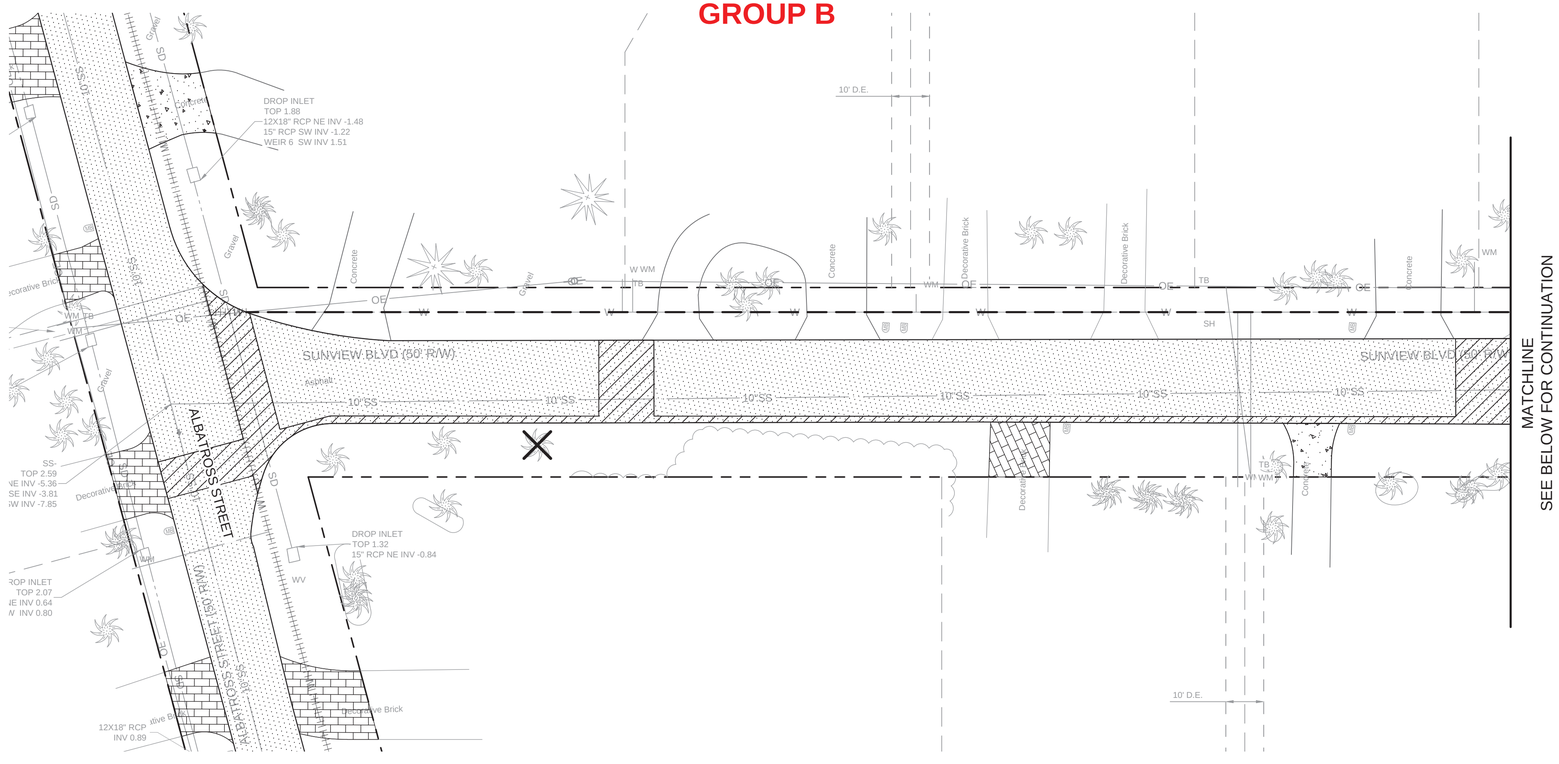
LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

GROUP B



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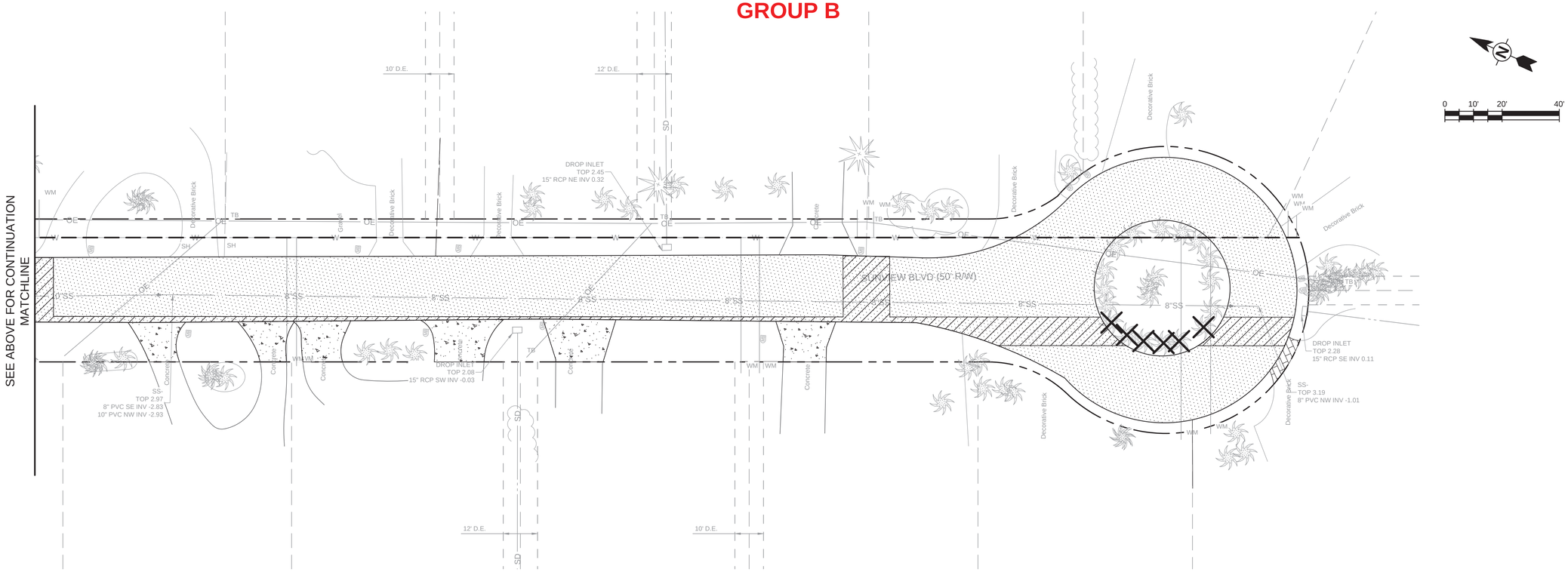

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DATE

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SUNVIEW BLVD
DEMO PLAN

Project No.: 200-74765-18005
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Bar Measures 1 inch

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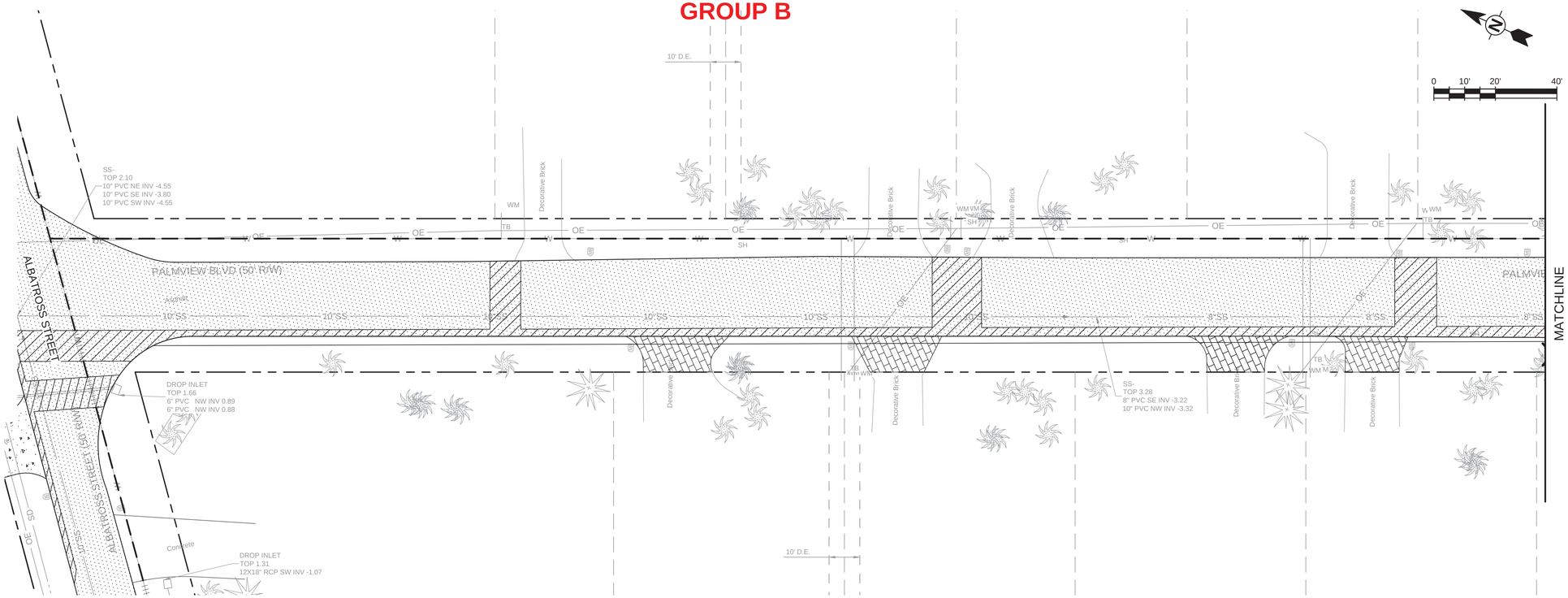
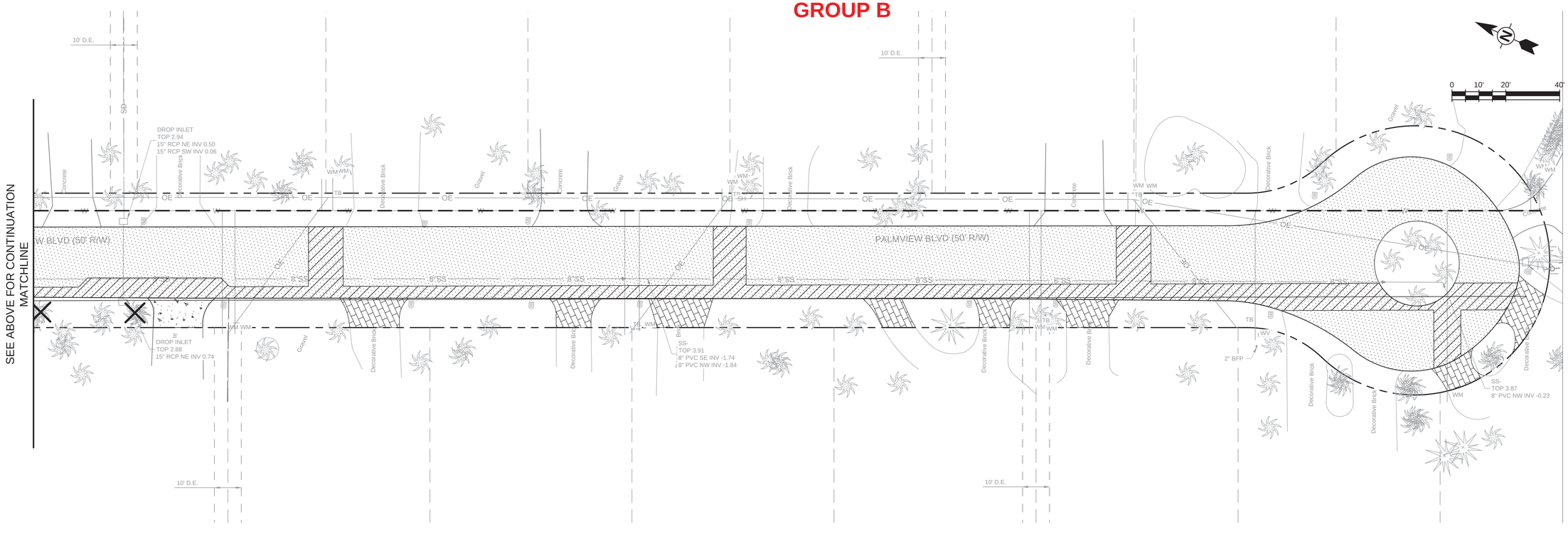
GROUP B

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED



GROUP B



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Engineering Business No. 2429

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

PALMVIEW BLVD
DEMO PLAN

Project No.:	200-74765-18005
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Bar Measures 1 inch

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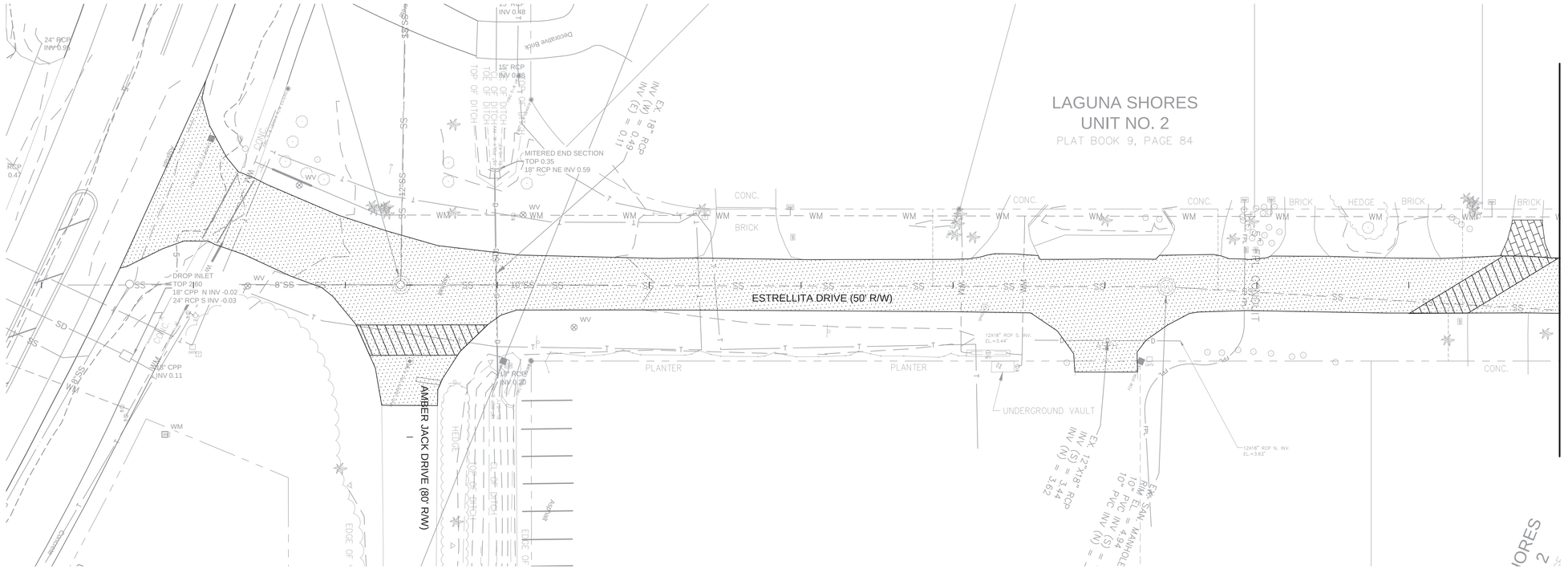
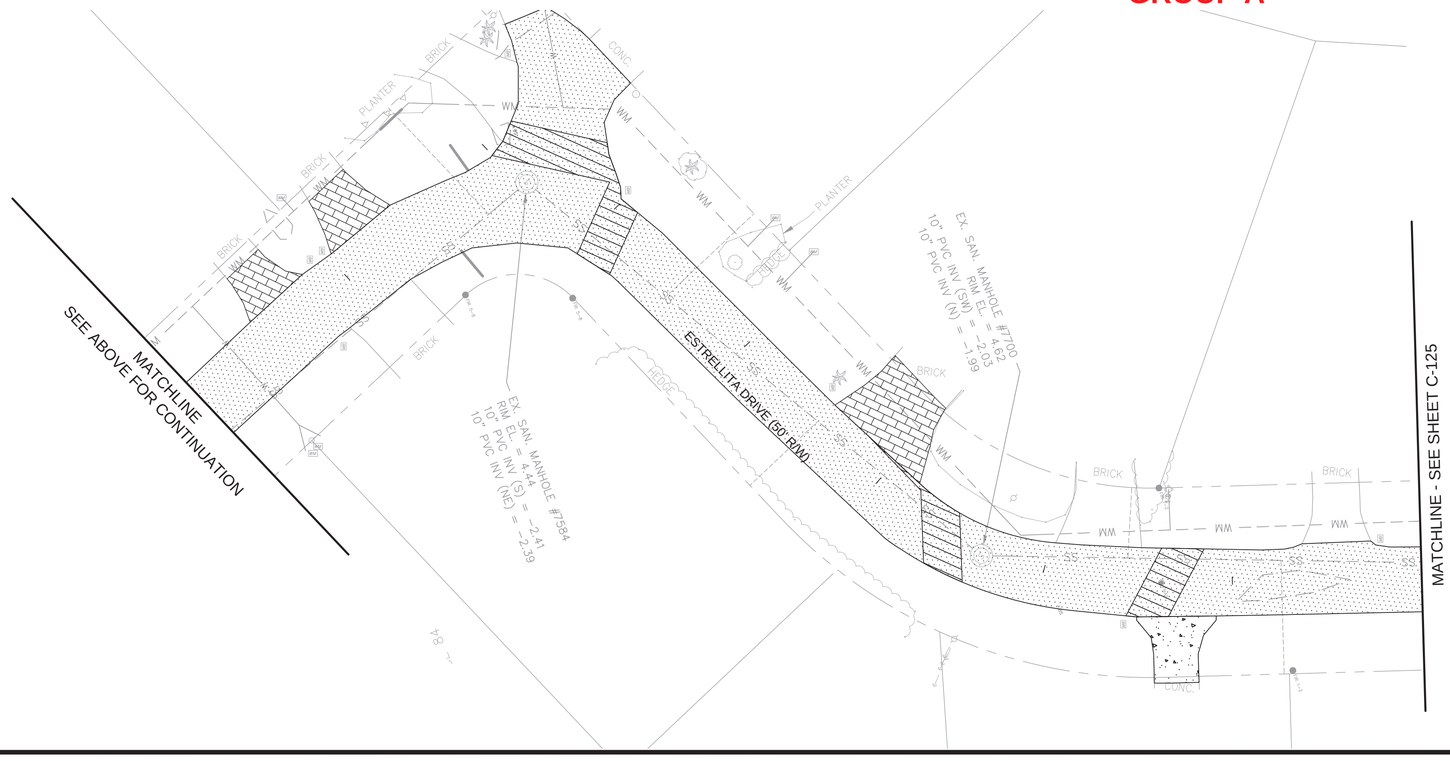
GROUP A



GROUP A



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ESTRELLITA DRIVE DEMO PLAN

Project No.: 200-74765-18005
Designed By:
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Bar Measures 1 inch

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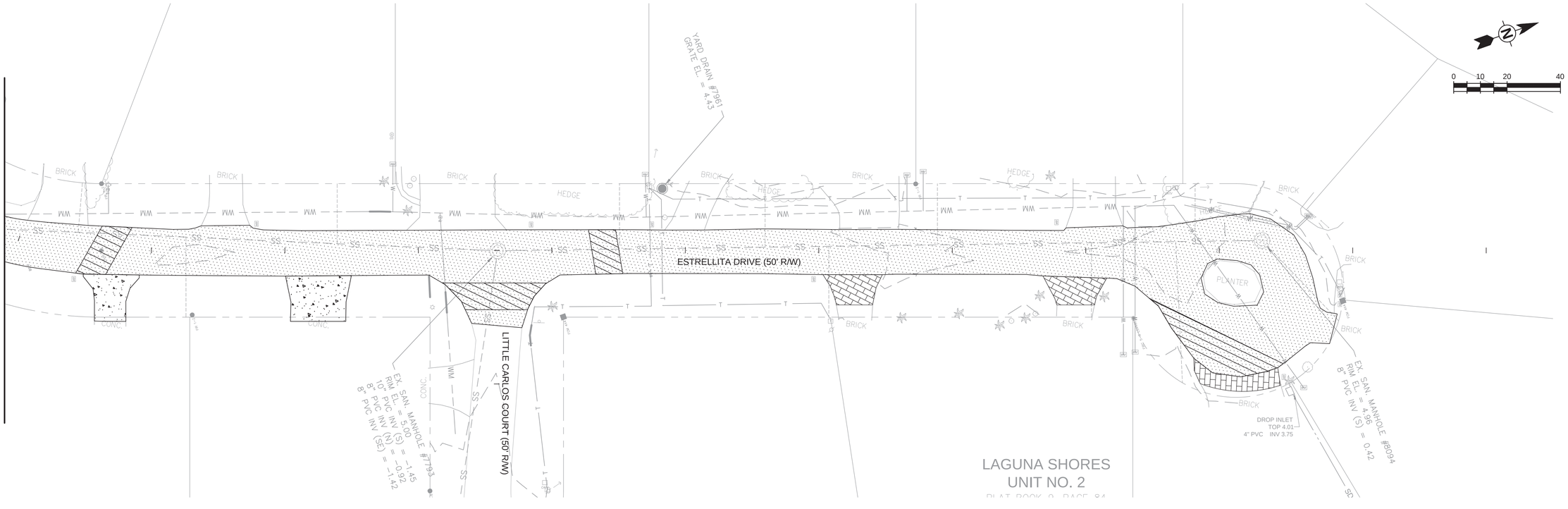
GROUP A



LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ESTRELLITA DRIVE
DEMO PLAN

Project No.:	200-74765-18005
Designed By:	TAV
Drawn By:	BLS
Checked By:	

C-125
Sheet

Bar Measures 1 inch

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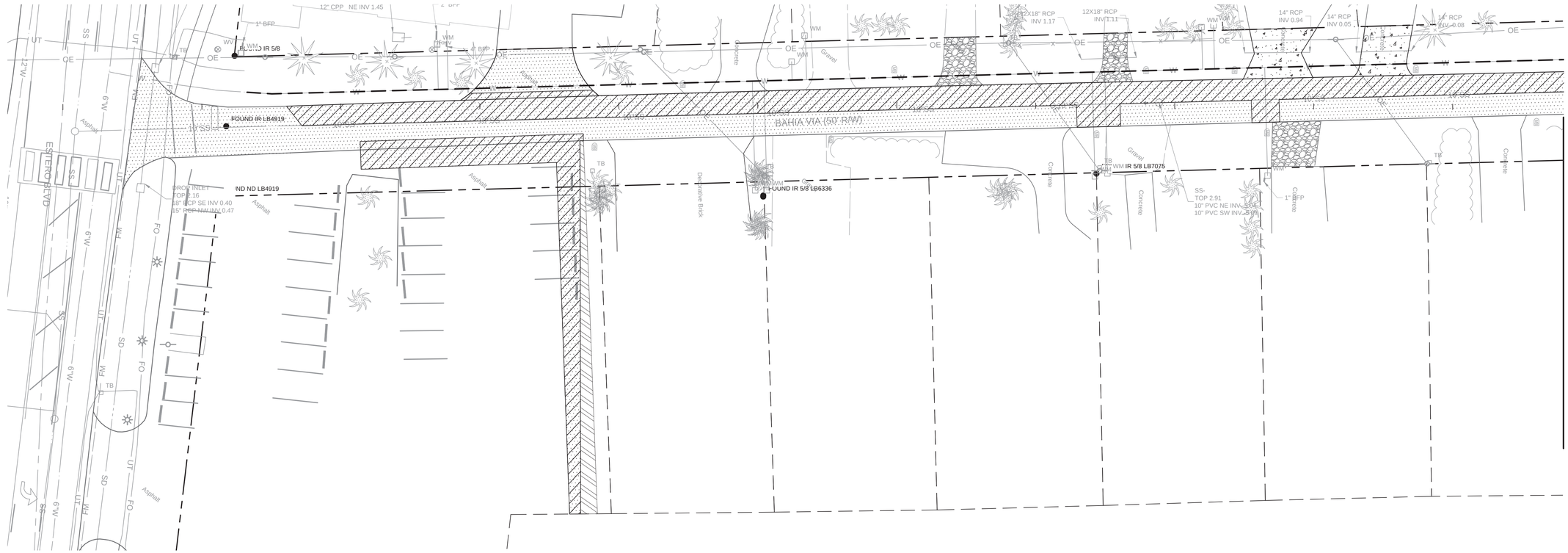
GROUP A

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED



0 10' 20' 40'

Bar Measures 1 inch

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Engineering Business No. 2429

DATE

BY	MARK	DATE	DESCRIPTION
TAV		8/15/22	ADDENDUM #1

TOWN OF FORT MYERS BEACH

STA 14 - UTILITIES ENG-BAHIA VIA
WATERMAIN & STORMWATER DESIGN

BAHIA VIA
DEMO PLAN

Project No.:	200-74765-22006
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

C-126

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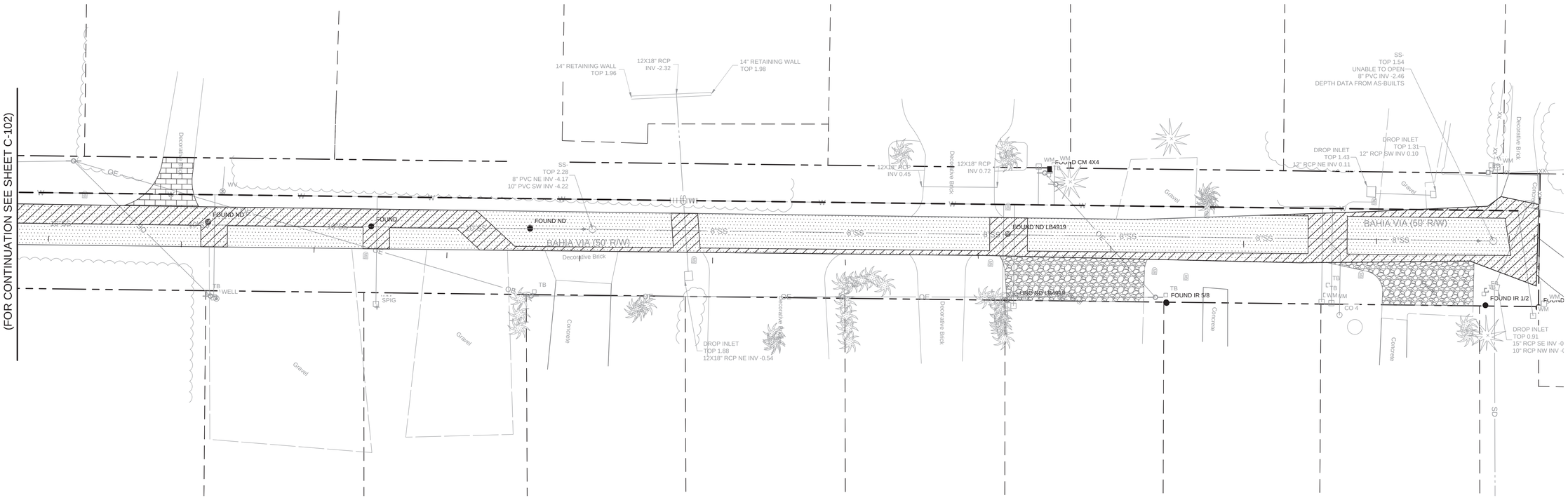
GROUP A

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED

0 10' 20' 40'

(FOR CONTINUATION SEE SHEET C-102)



Bar Measures 1 inch

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DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

STA 14 - UTILITIES ENG-BAHIA VIA
WATERMAIN & STORMWATER DESIGN

BAHIA VIA
DEMO PLAN

Project No.:	200-74765-22006
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

C-127

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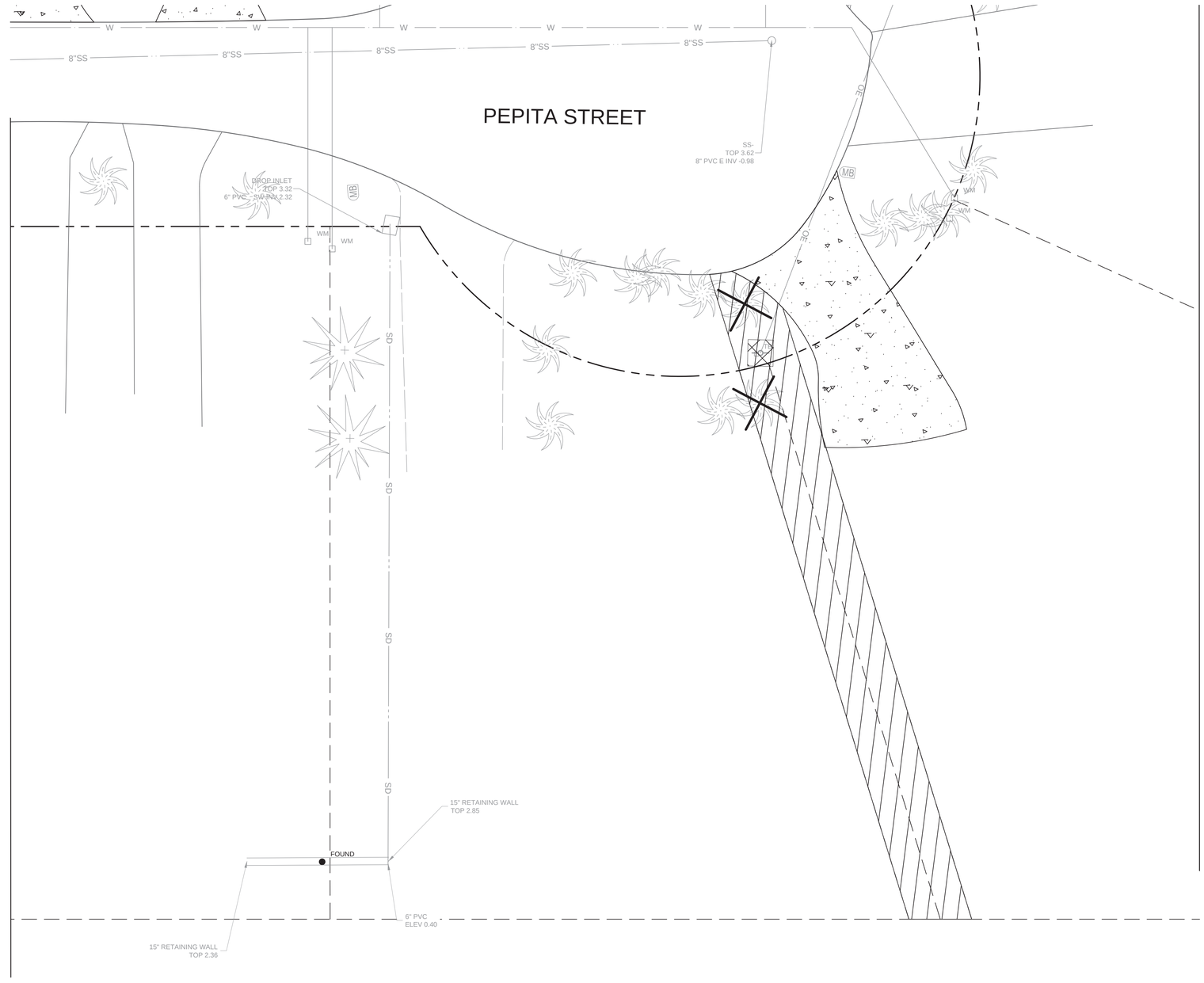
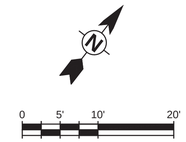
GROUP D

LEGEND

- REMOVE AND REPLACE EXISTING ASPHALT
- MILL AND RESURFACE EXISTING ASPHALT
- REMOVE AND REPLACE EXISTING CONCRETE DRIVEWAY
- REMOVE AND REPLACE EXISTING UNPAVED DRIVEWAY
- REMOVE AND REPLACE EXISTING PAVERS DRIVEWAY
- EXISTING WM TO BE ABANDONED
- EXISTING PIPE TO BE REMOVED
- REMOVE EXISTING STRUCTURE
- CLEAR AND GRUB
- TREE TO BE REMOVED





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DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

STA 16 - UTILITIES ENG-PEPITA STREET
STORMWATER DESIGN

PEPITA STREET
DEMO PLAN

Project No.:	200-74765-22006
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

C-128

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Bar Measures 1 inch

8/12/2022 10:47:22 AM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-101 DEMO PEPITA OUT FALL.DWG - MONTALVO, ANGEL

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Engineering Business No. 2429

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

KEY PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By: BMM
Checked By:

C-200
Sheet

Bar Measures 1 inch

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8/11/2022 9:56:16 AM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-001 KEY PLAN.DWG - MONTALVO, ANGEL

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

OVERALL KEY PLAN

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

Timothy A. Vanderwalker, P.E.
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DATE _____

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Project No: 200-74765-18005
Designed By:
Drawn By: BMM
Checked By:

Sheet C-201

Bar Measures 1 Inch

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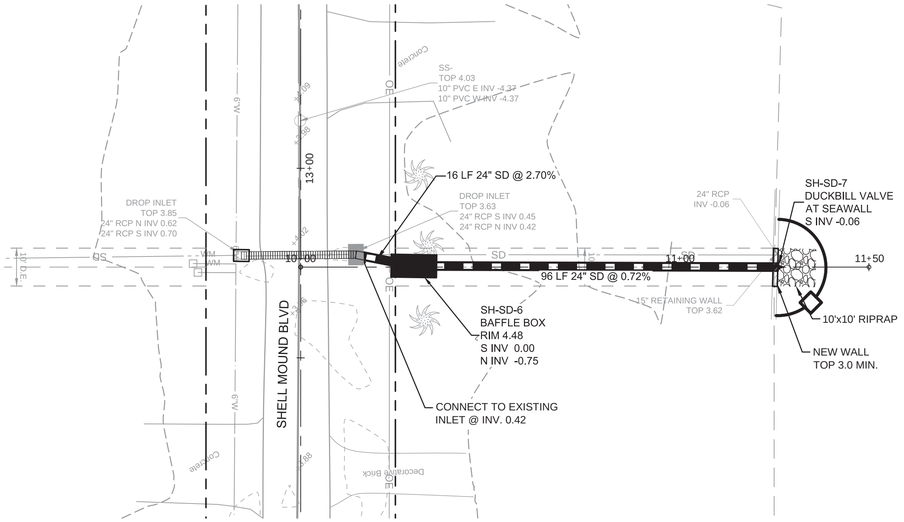
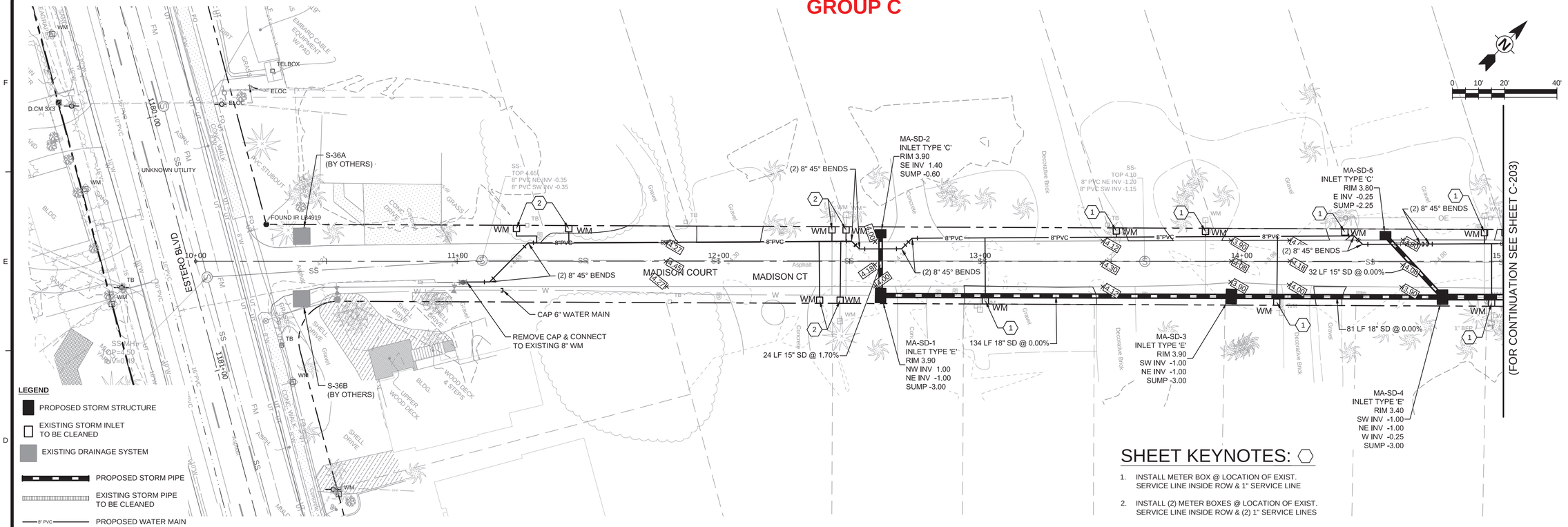
GROUP C


SS-
TOP 4.03
10" PVC E INV -4.37
10" PVC W INV -4.37
16 LF 24" SD @ 2.70%
DROP INLET
TOP 3.63
24" RCP S INV 0.45
24" RCP N INV 0.42
DROP INLET
TOP 3.85
24" RCP N INV 0.62
24" RCP S INV 0.70
24" RCP
INV -0.06
SH-SD-7
DUCKBILL VALVE
AT SEAWALL
S INV -0.06
SD
SS
10+00
11+00
11+50
96 LF 24" SD @ 0.72%
15" RETAINING WALL
TOP 3.62
SH-SD-6
BAFFLE BOX
RIM 4.48
S INV 0.00
N INV -0.75
10'x10' RIPRAP
NEW WALL
TOP 3.0 MIN.
CONNECT TO EXISTING
INLET @ INV. 0.42
SHELL MOUND BLVD
13+00
6"W
Concrete
Concrete
Concrete

GROUP C

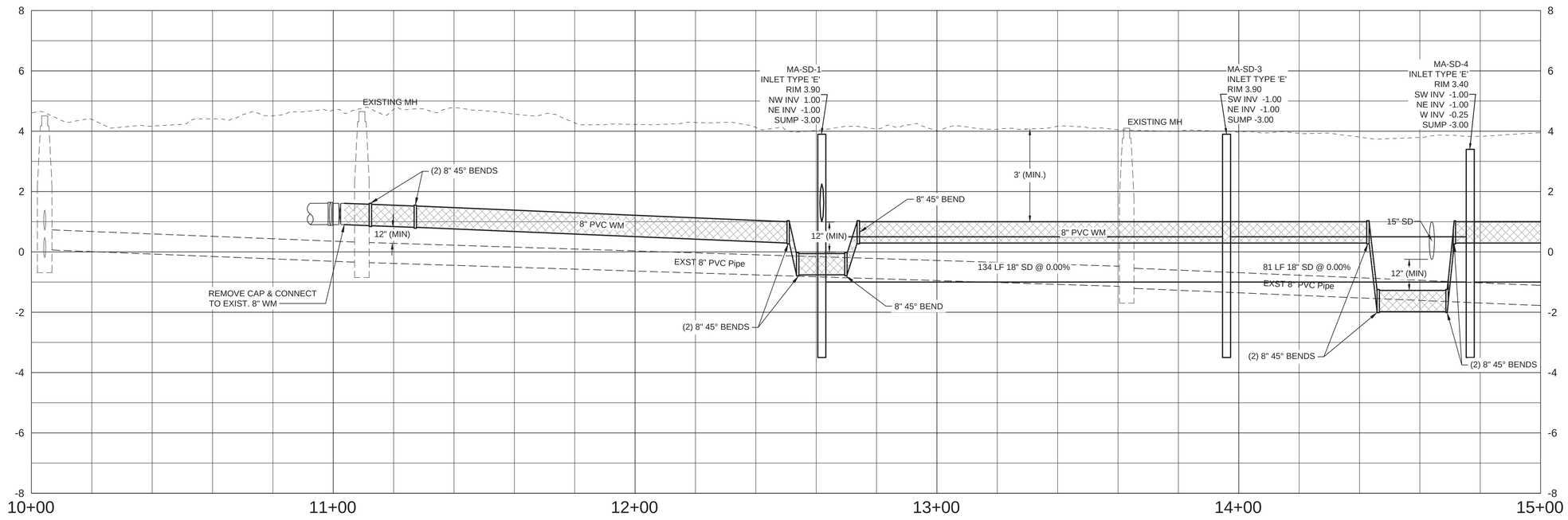


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-203

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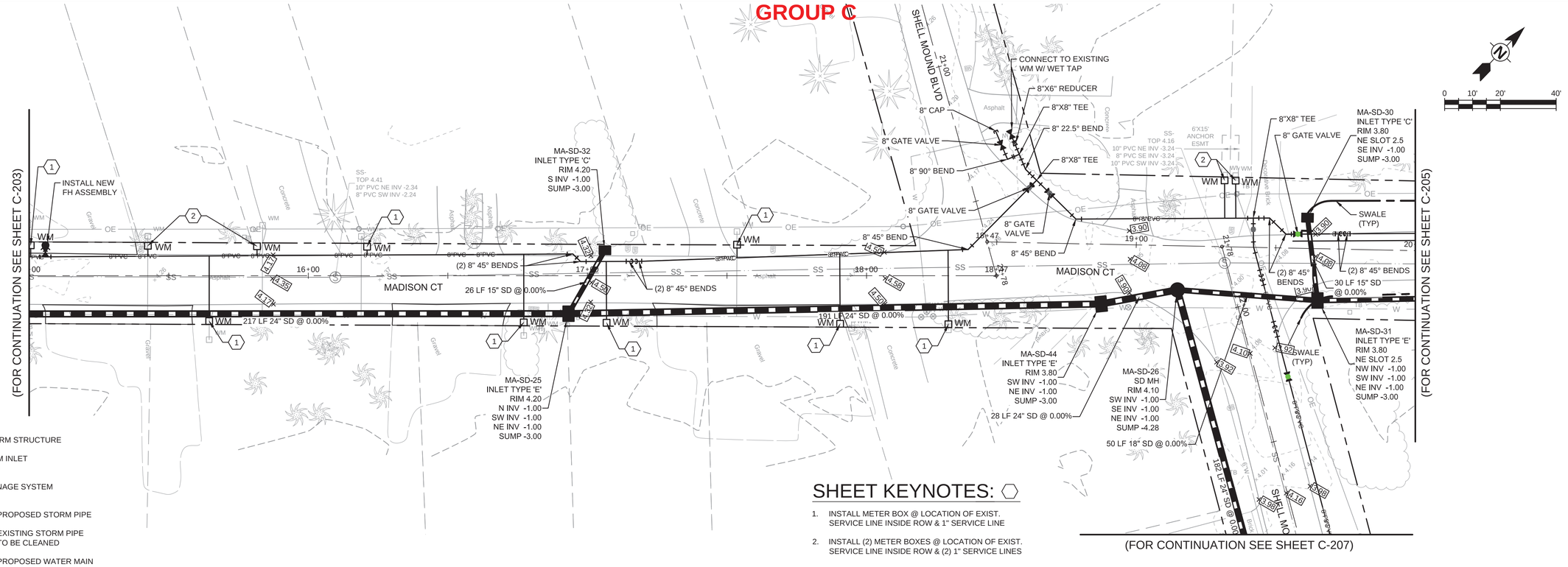
Bar Measures 1 inch

8/11/2022 1:39:47 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-200 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP C

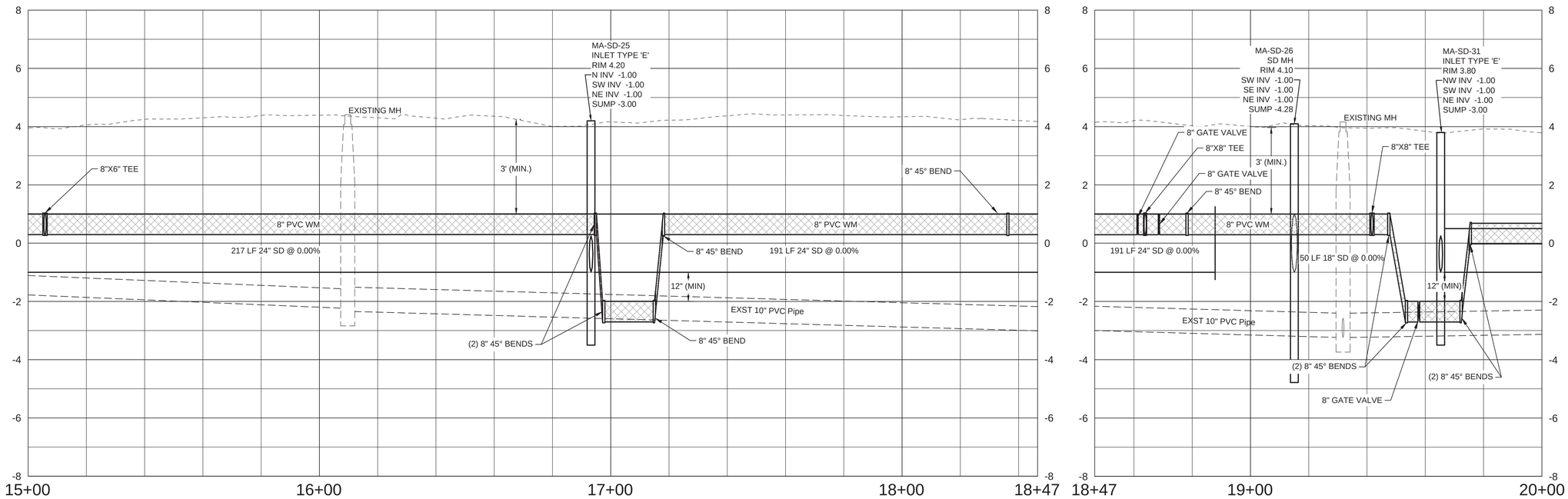


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-204

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Bar Measures 1 inch

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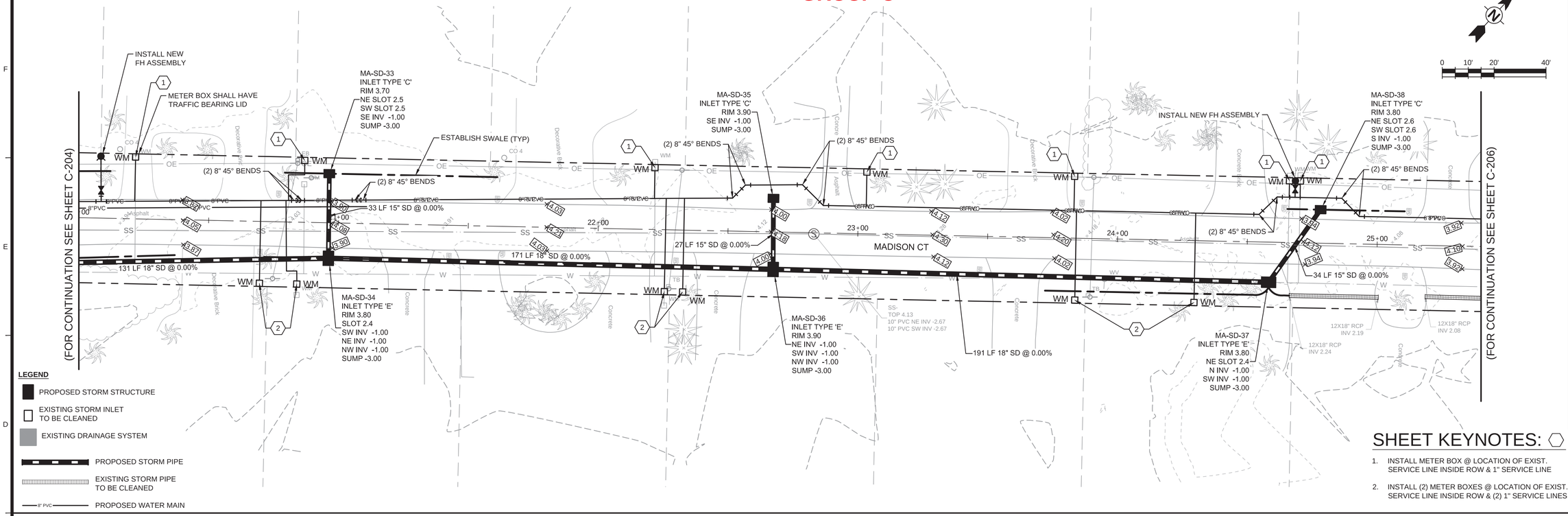
GROUP C

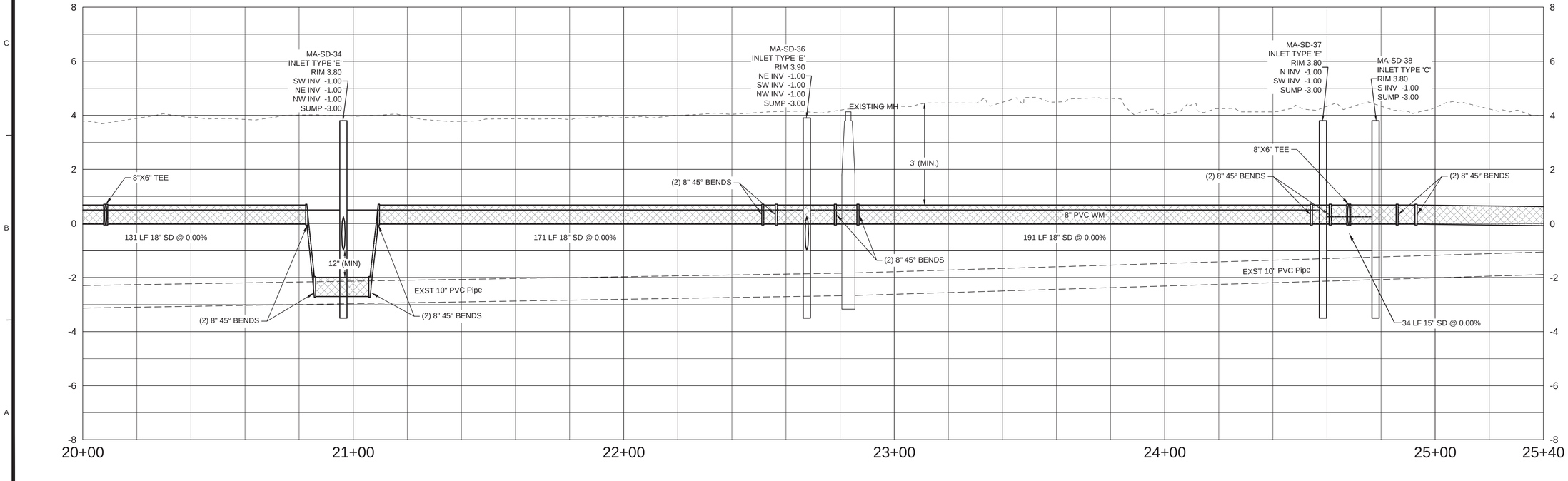


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

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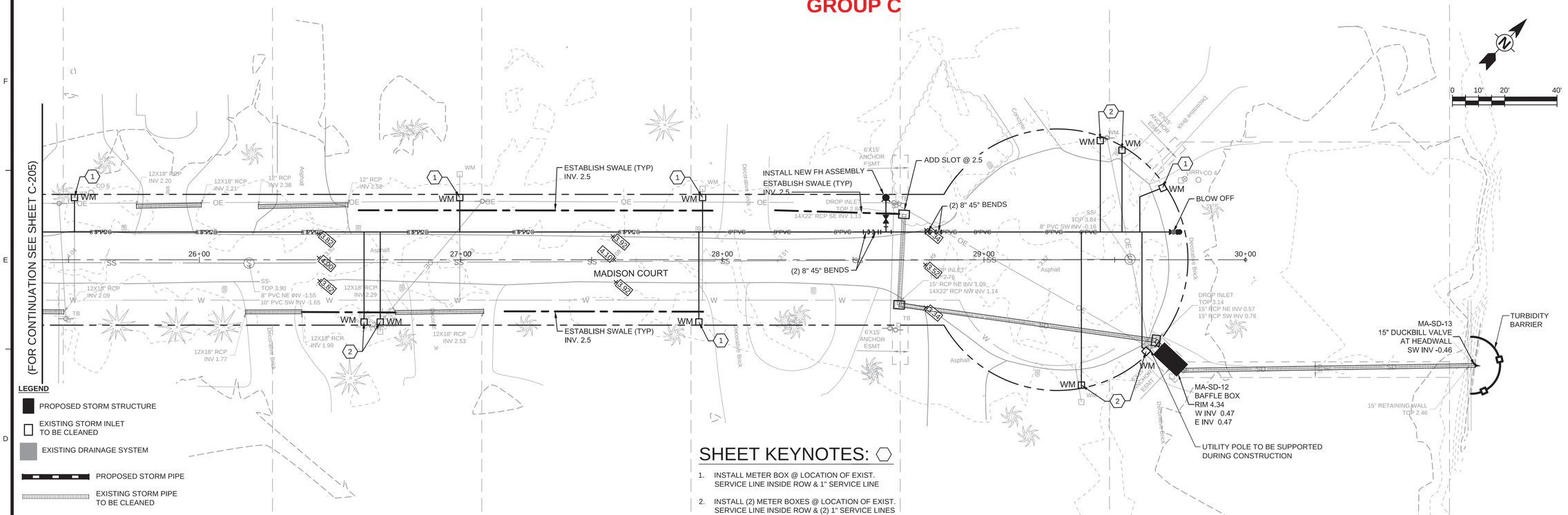
GROUP C

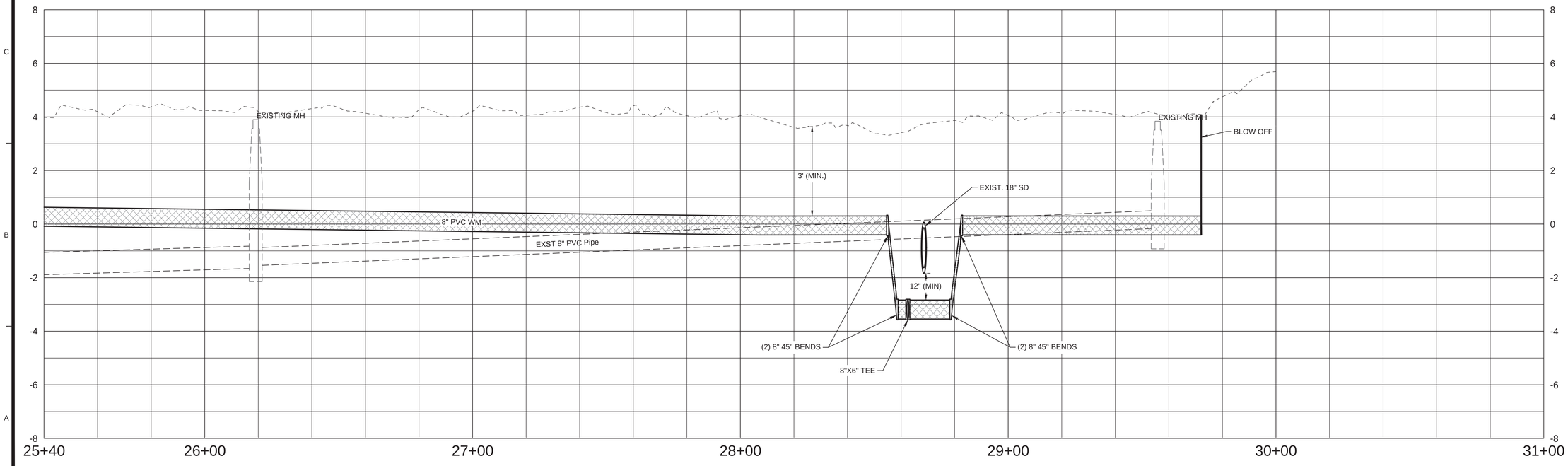


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Orlando, Florida 32801
Engineering Business No. 2429
DATE

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MADISON COURT
PLAN AND PROFILE

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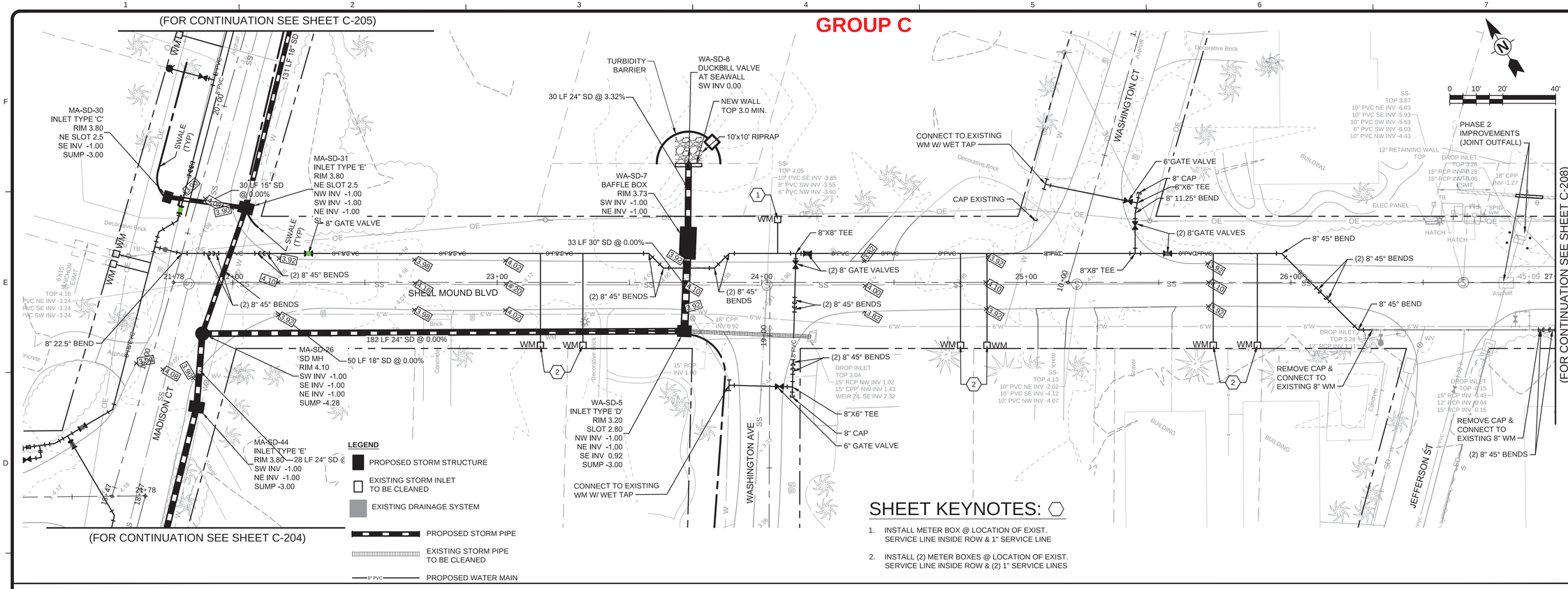
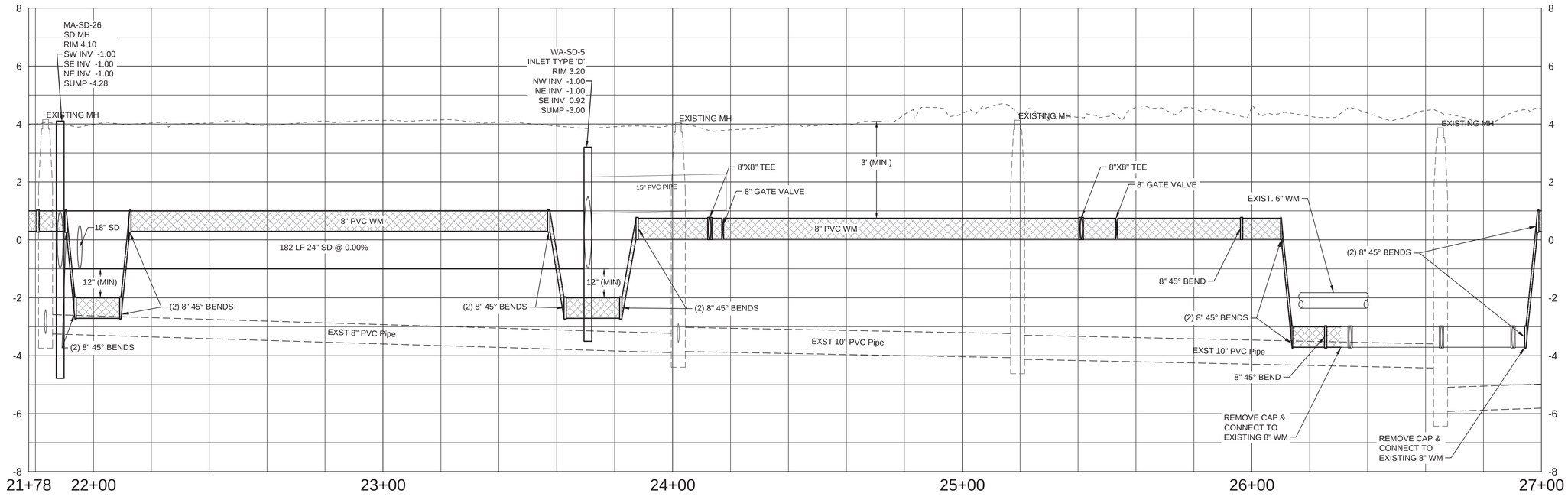
GROUP C



SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SHELL MOUND BOULEVARD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

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Bar Measures 1 inch

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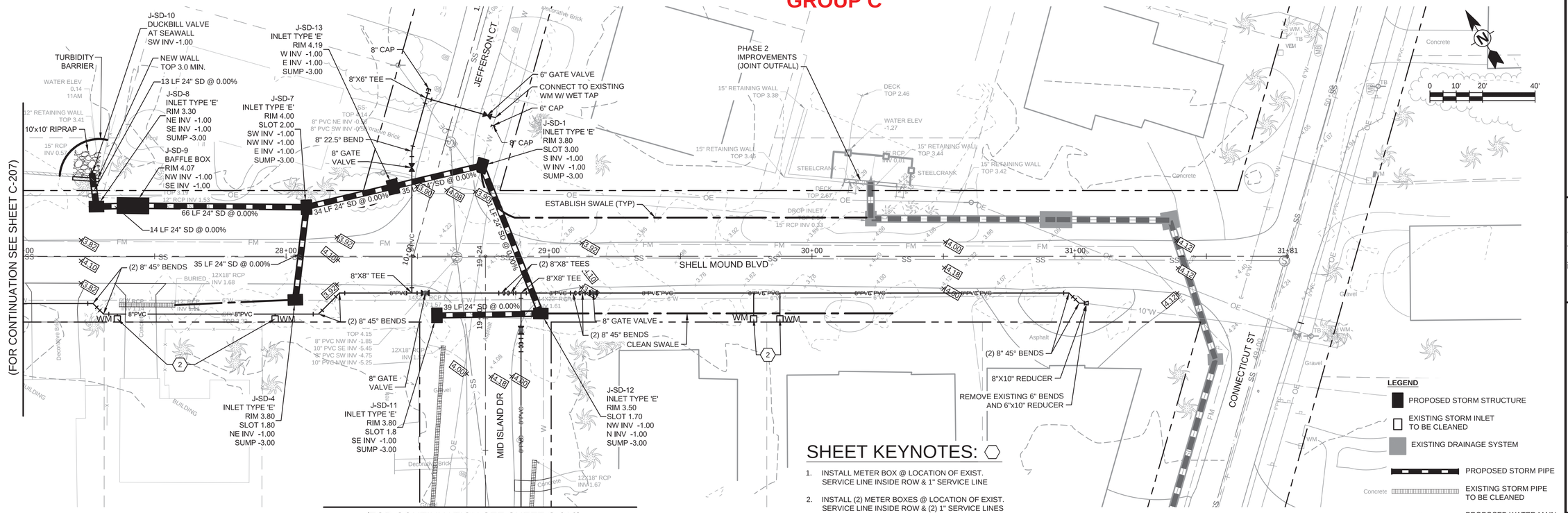
GROUP C

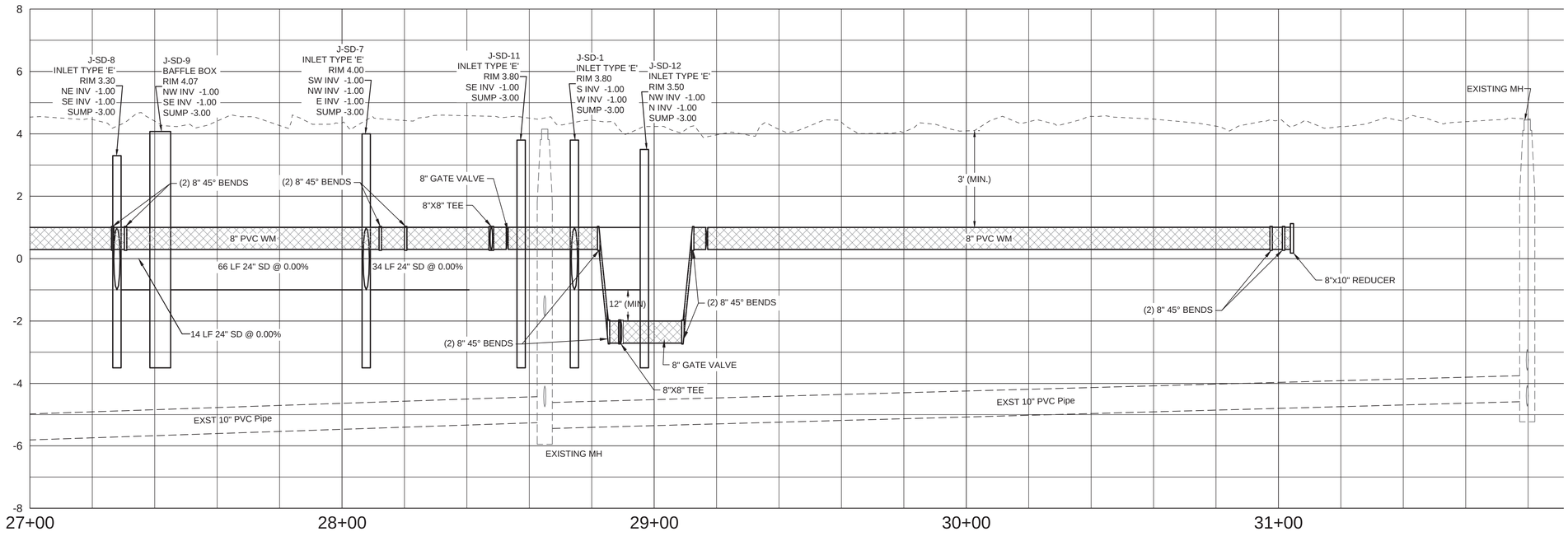


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- PROPOSED WATER MAIN



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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SHELL MOUND BOULEVARD PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-208

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Bar Measures 1 inch

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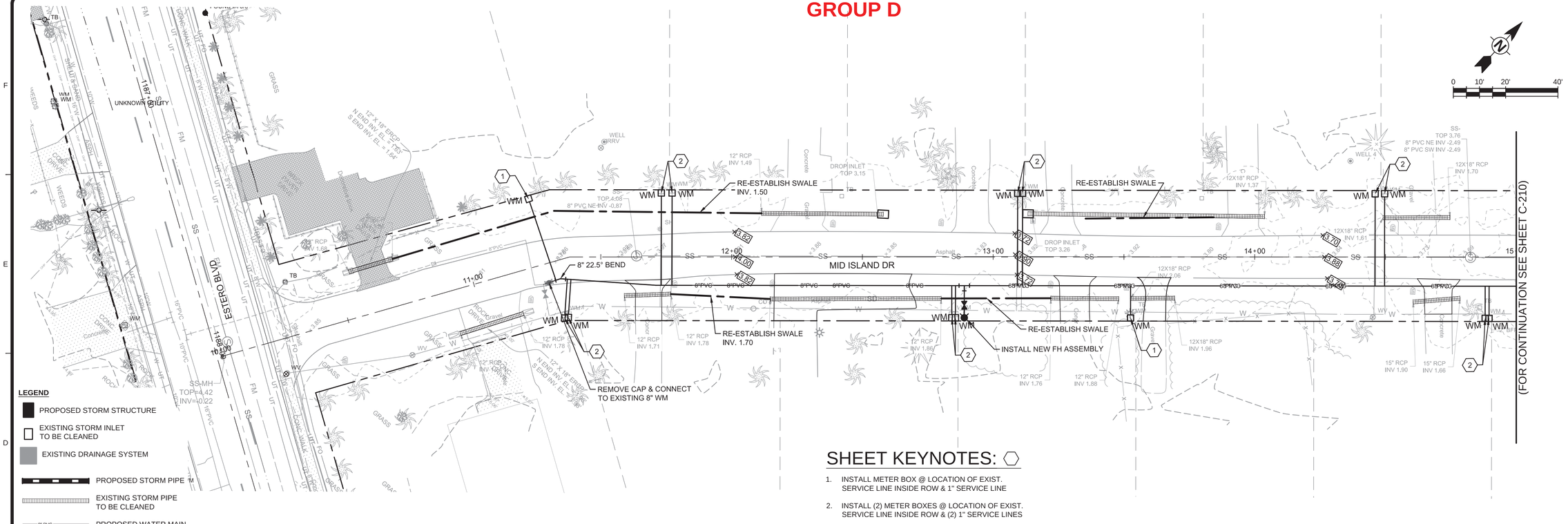
GROUP D

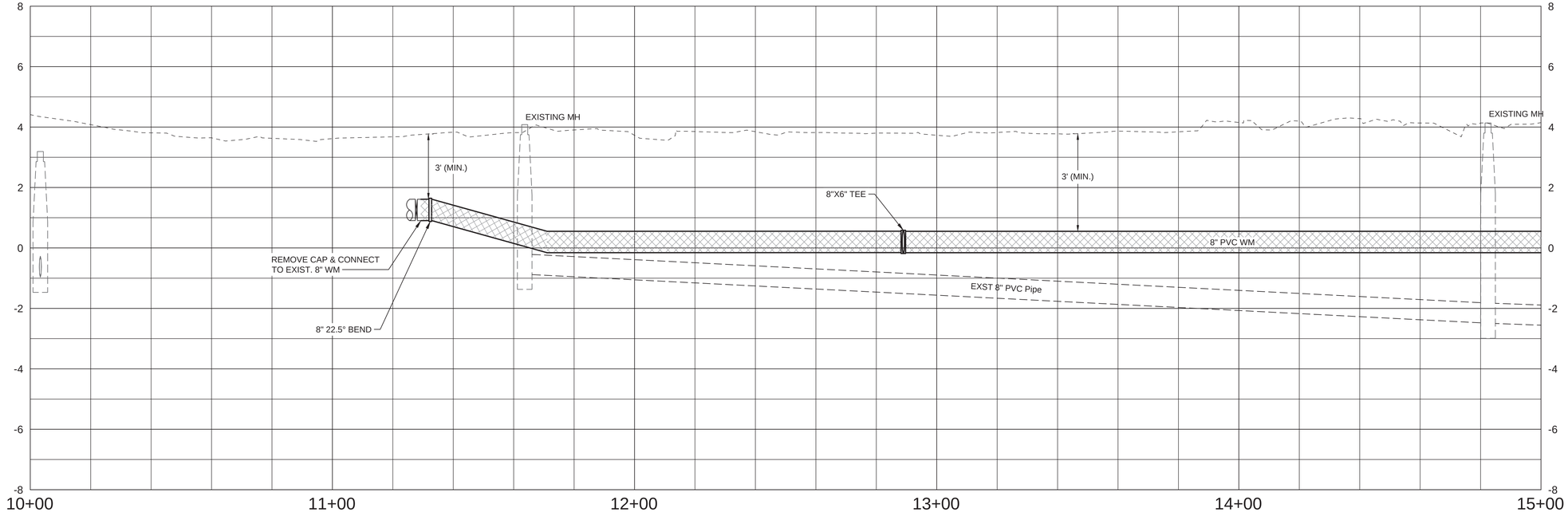


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MID ISLAND DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-209

Copyright: Tetra Tech

Bar Measures 1 inch

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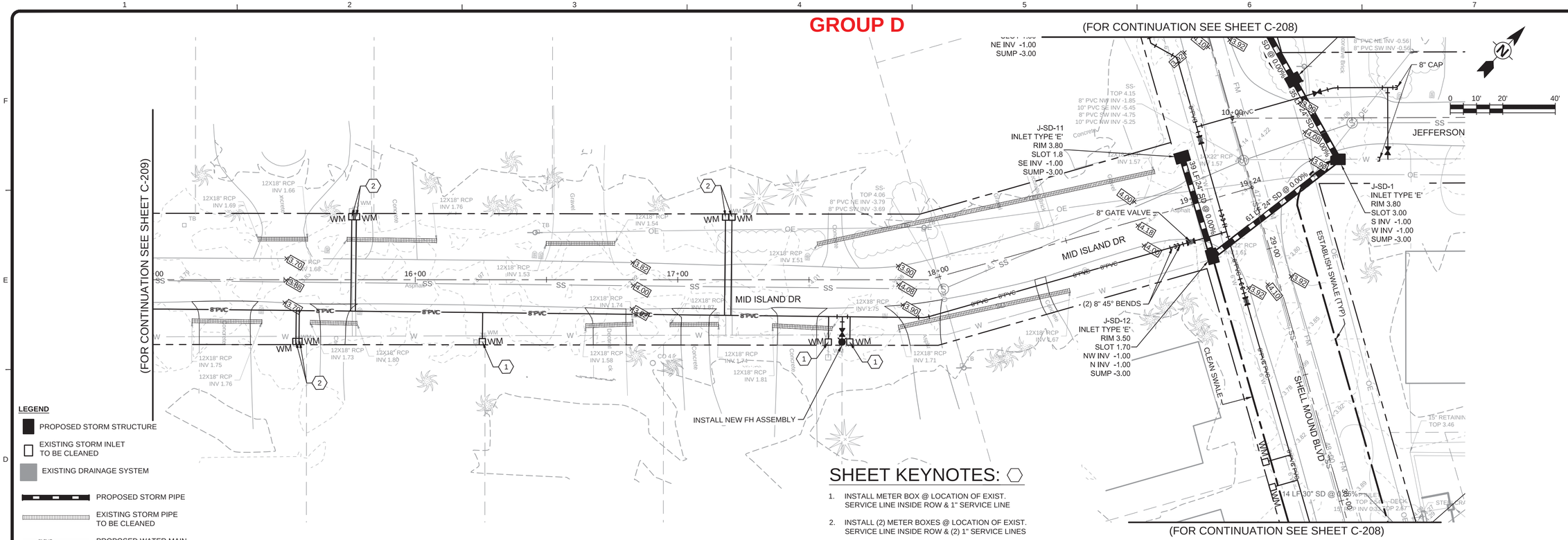
GROUP D

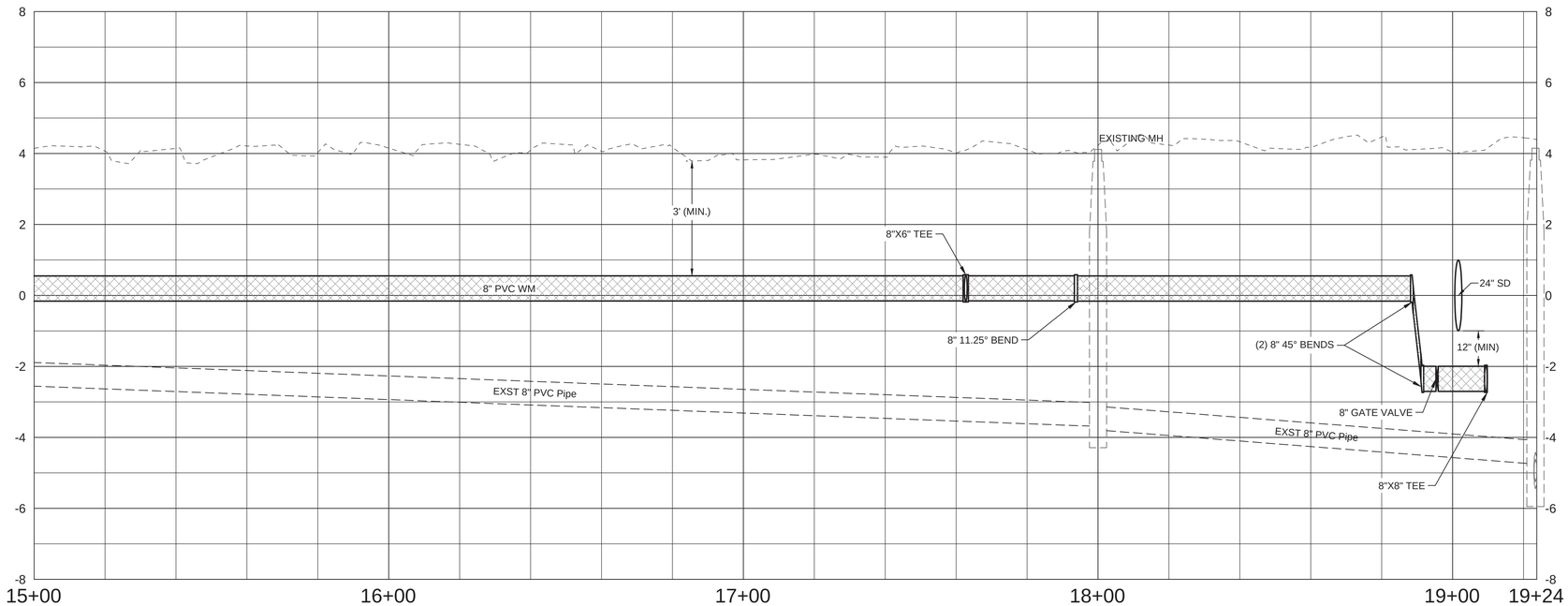


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Orlando, Florida 32801
Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MID ISLAND DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-210

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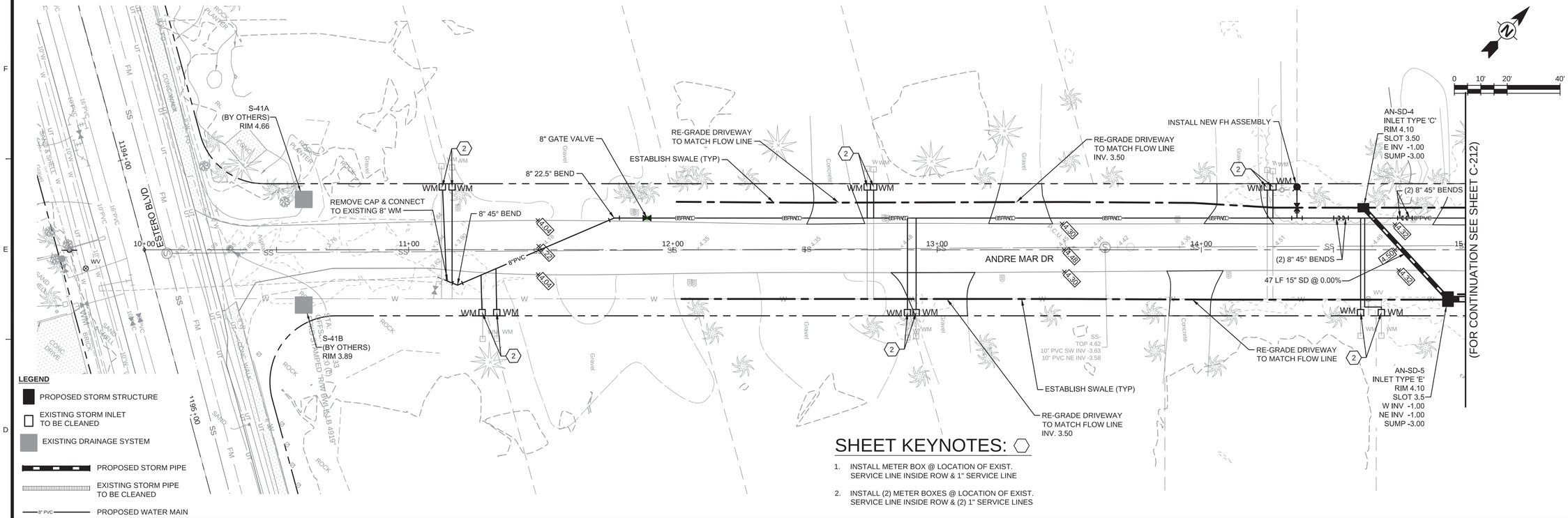
Bar Measures 1 inch

8/11/2022 2:08:34 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-200 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP C

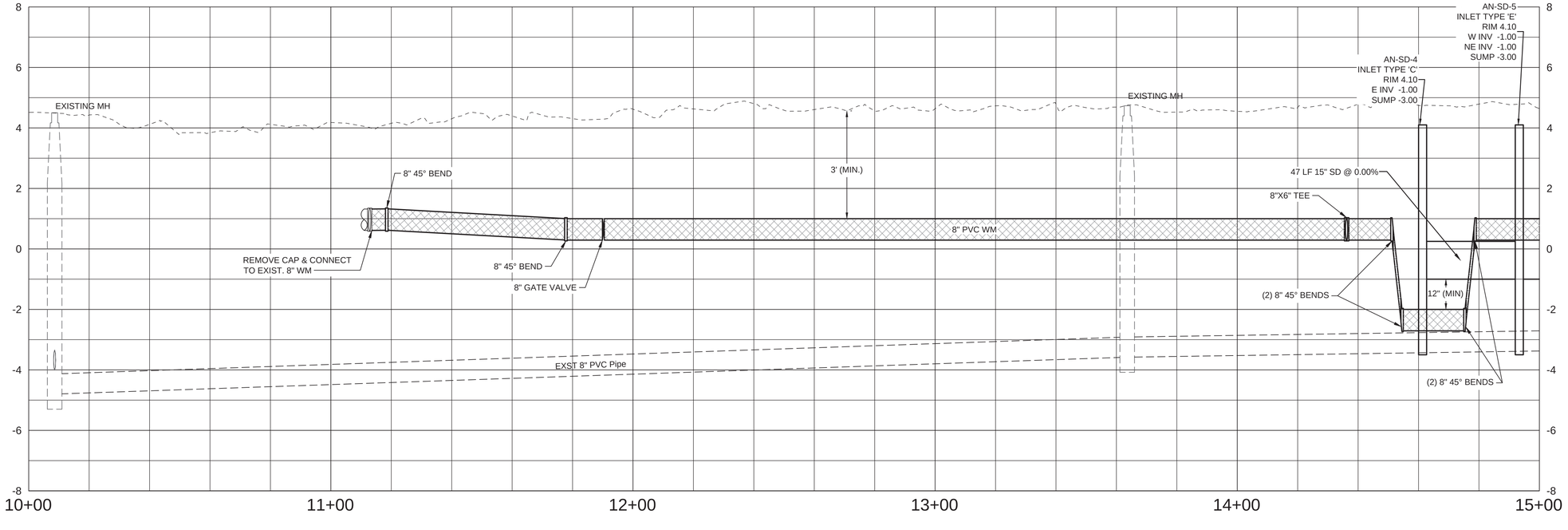


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANDRE MAR DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

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Bar Measures 1 inch

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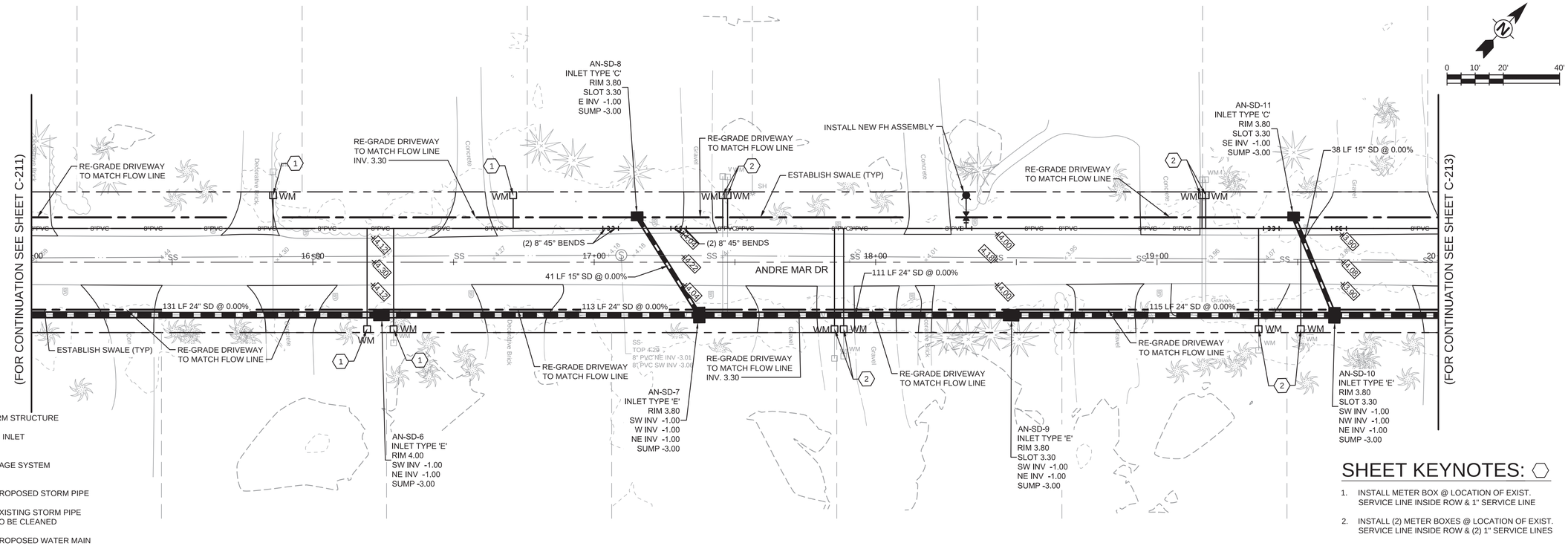
GROUP C

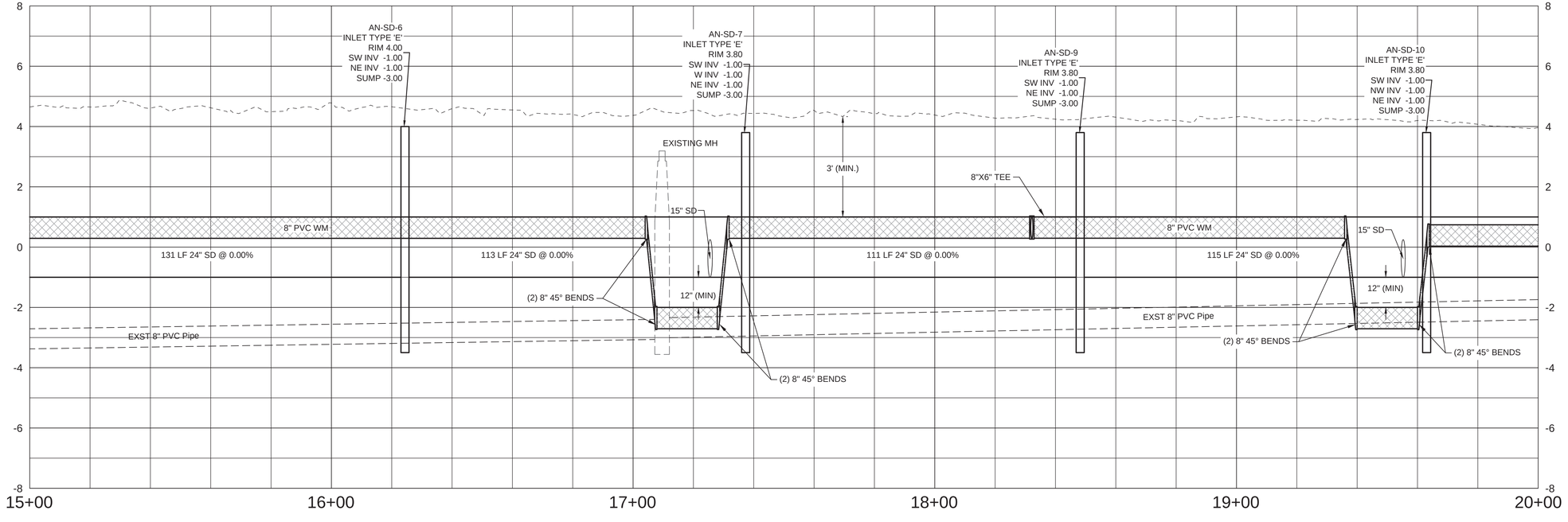


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES: ⬡

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANDRE MAR DRIVE PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

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Bar Measures 1 inch

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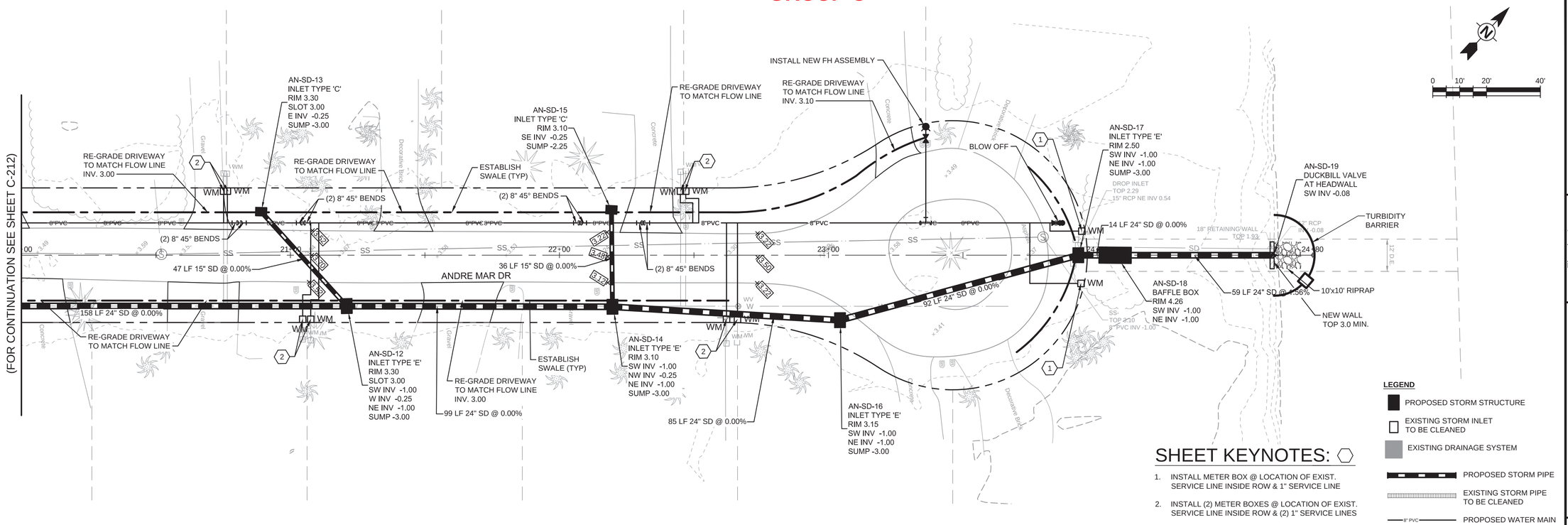
GROUP C

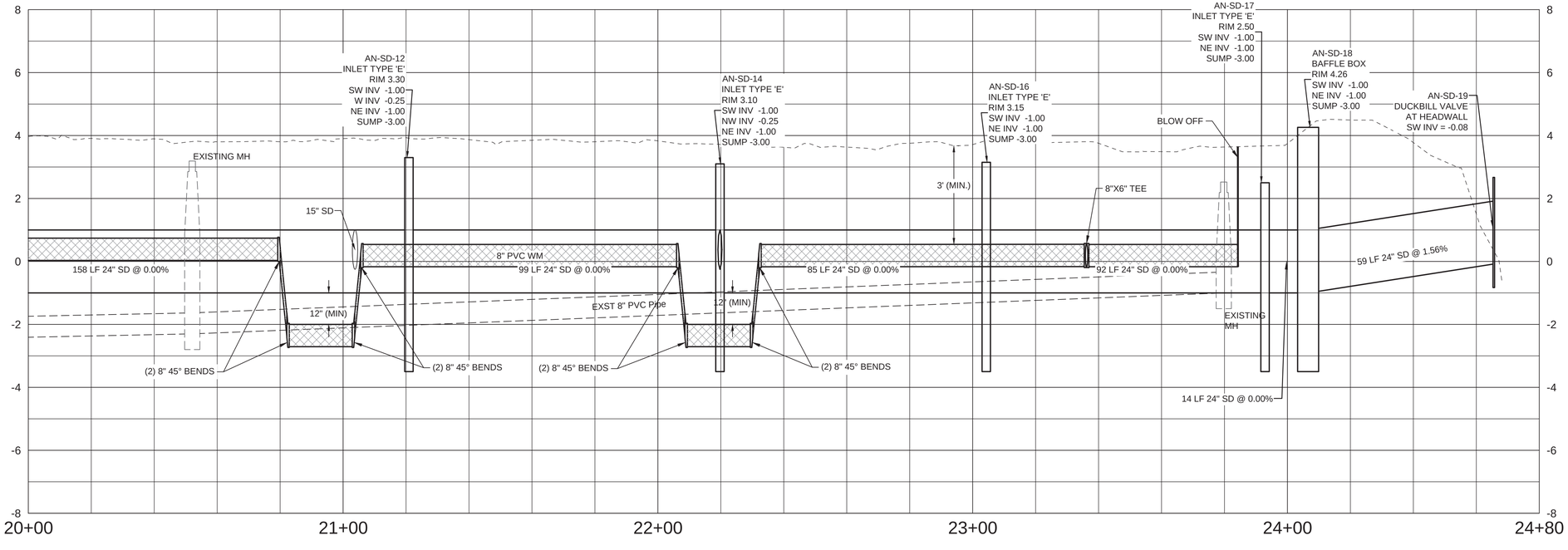


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANDRE MAR DRIVE PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

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Bar Measures 1 inch

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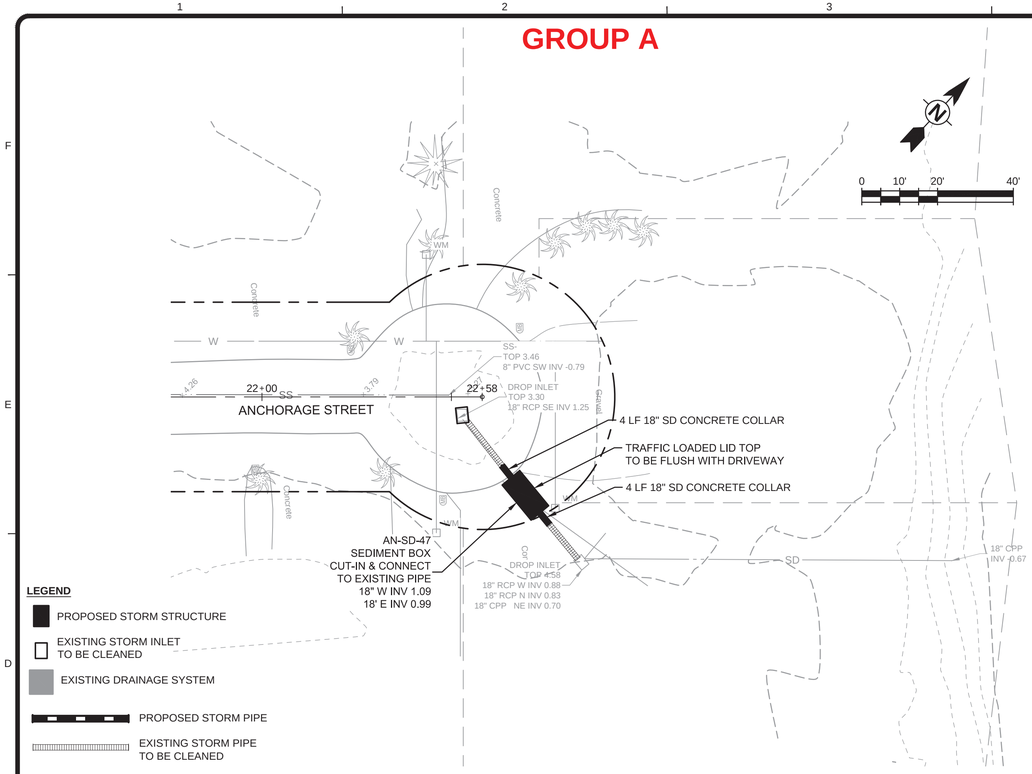
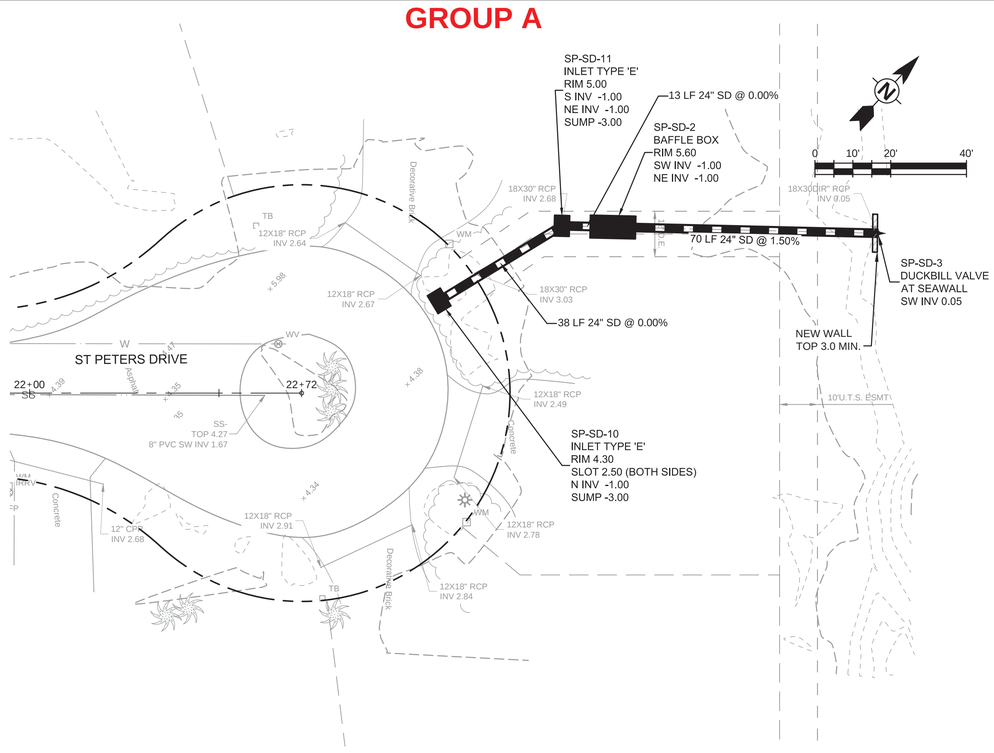
GROUP A



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

GROUP A



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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ANCHORAGE ST & ST PETERS DR
DRAINAGE OUTFALL PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-214

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Bar Measures 1 inch

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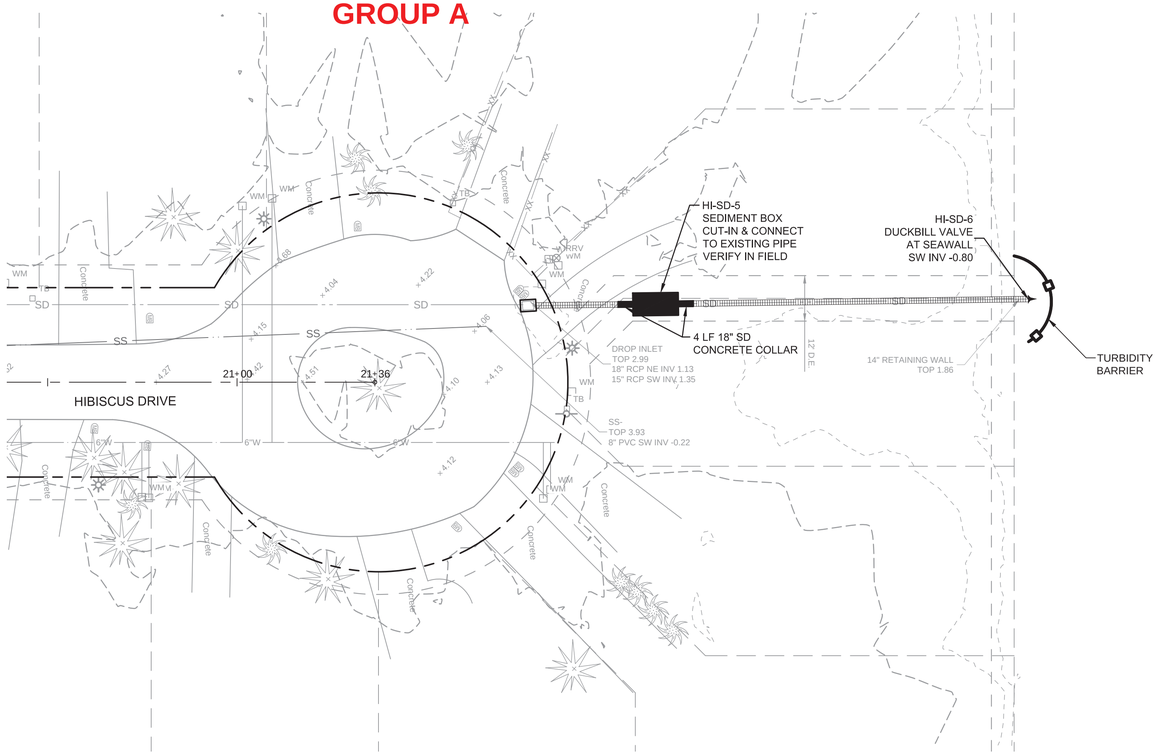

0 10' 20' 40'

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

Bar Measures 1 inch

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

HIBISCUS DRIVE
DRAINAGE OUTFALL PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

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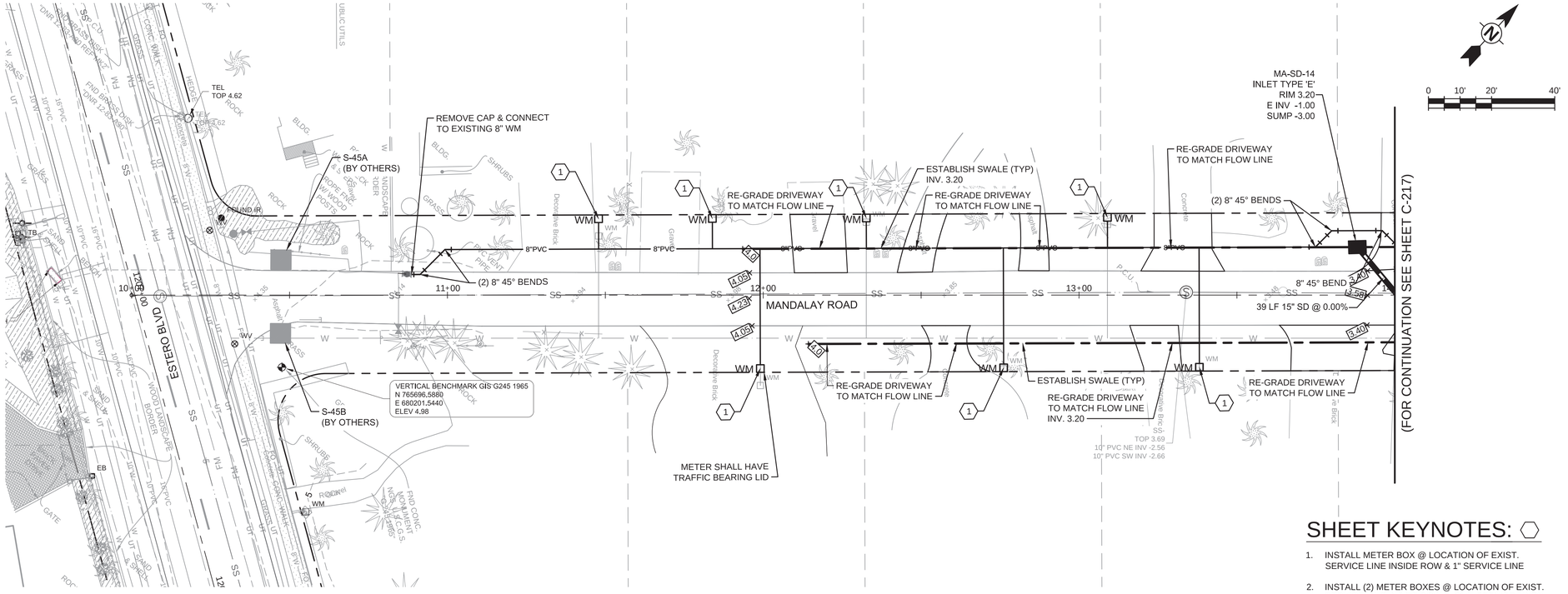
GROUP C

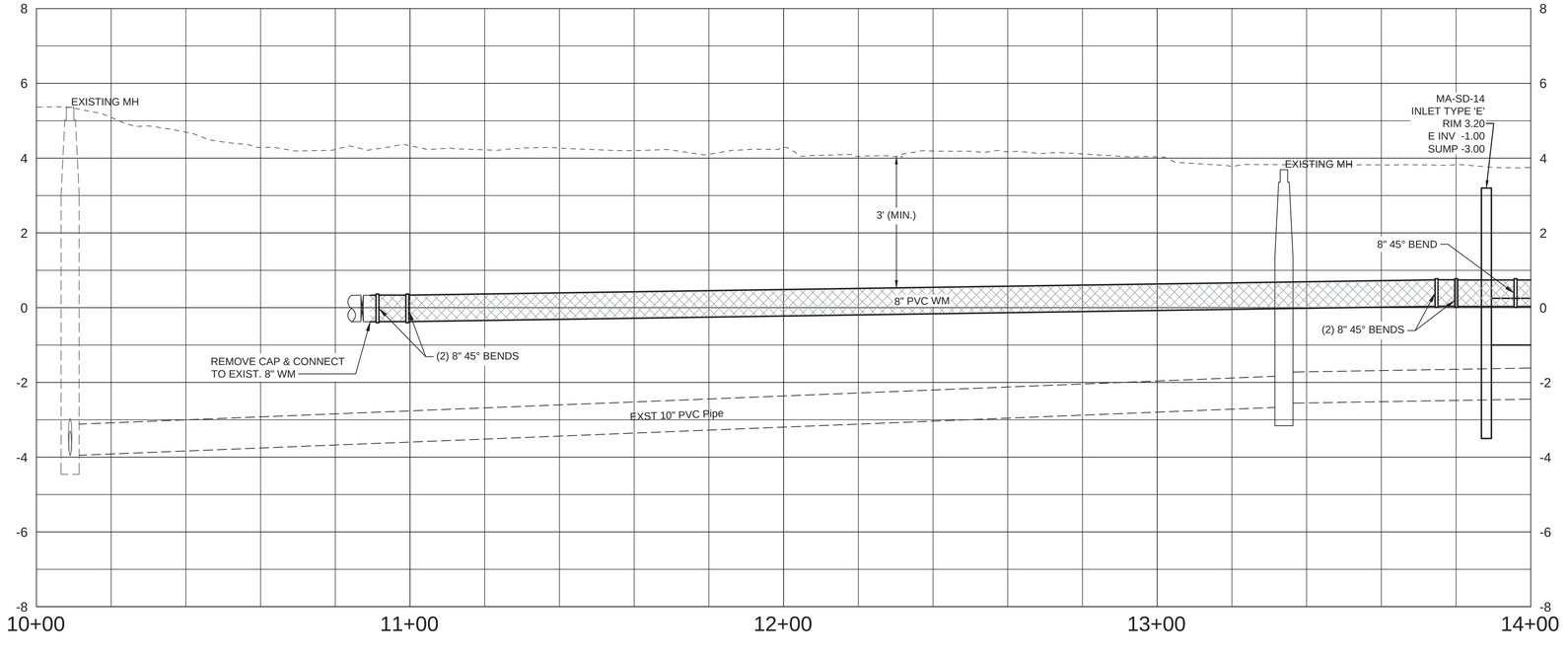


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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DATE

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MANDALAY ROAD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

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Bar Measures 1 inch

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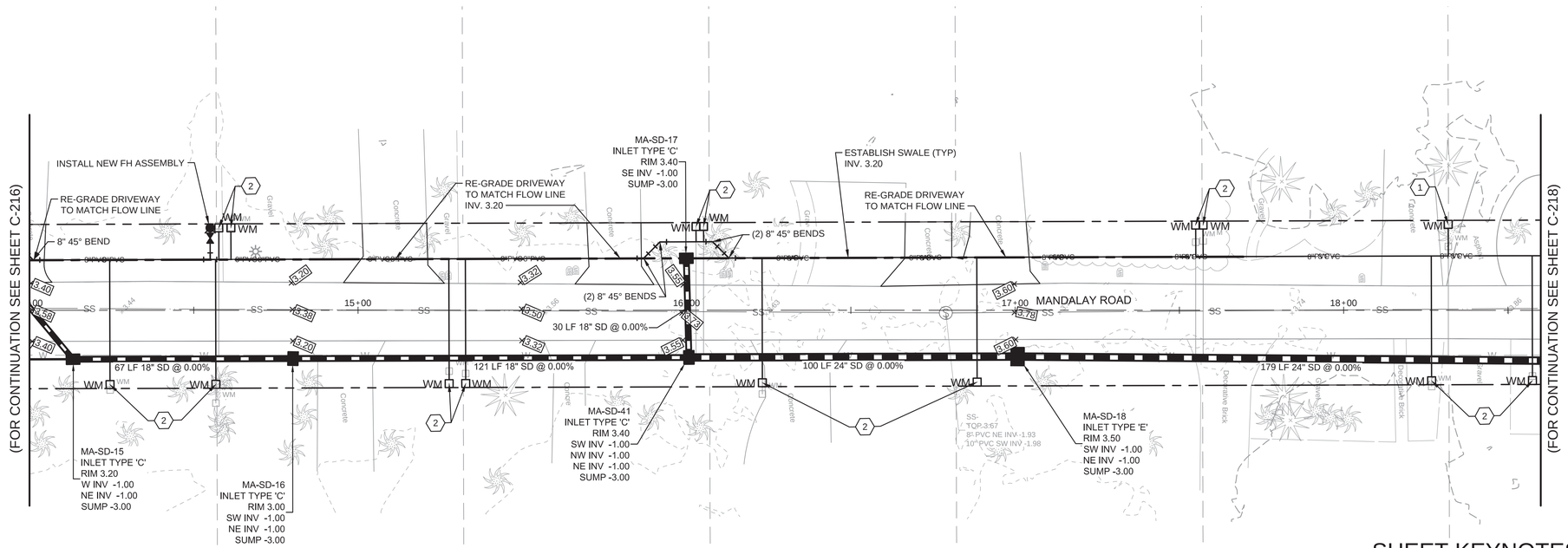
GROUP C



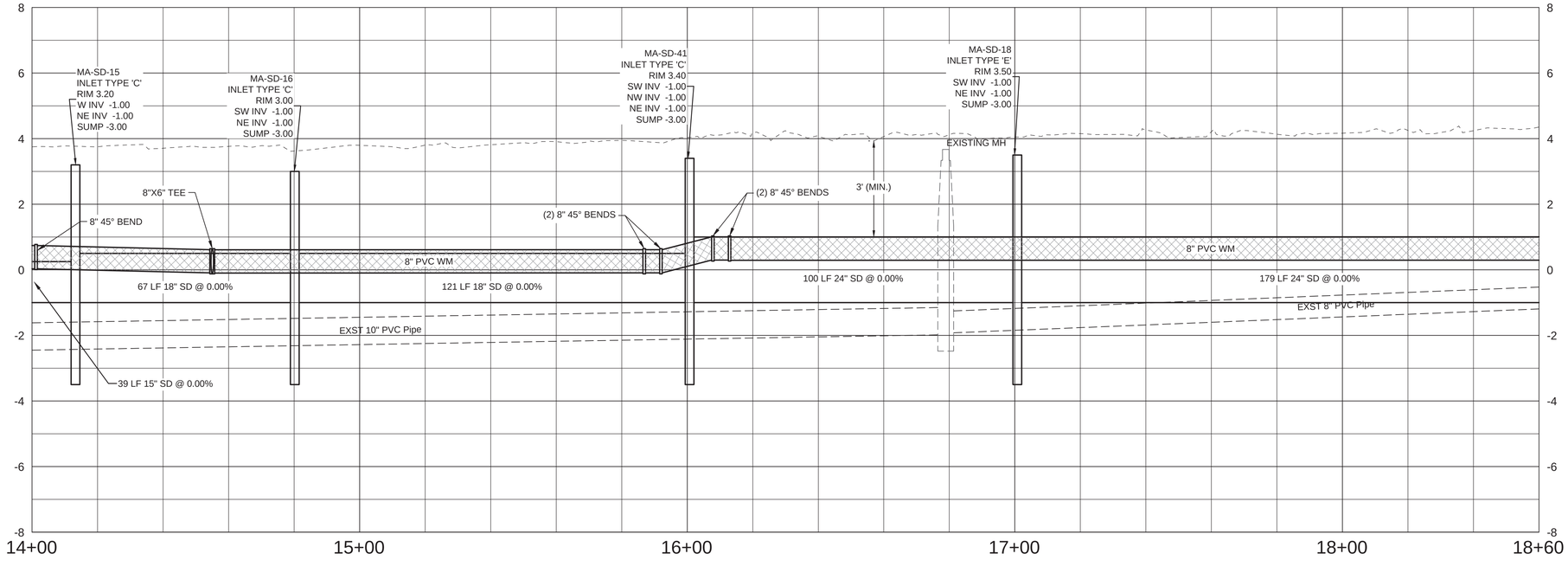
SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

0 10' 20' 40'

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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Engineering Business No. 2429
DATE

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MANDALAY ROAD
PLAN AND PROFILE

Project No.: 200-74765-18005
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Bar Measures 1 inch

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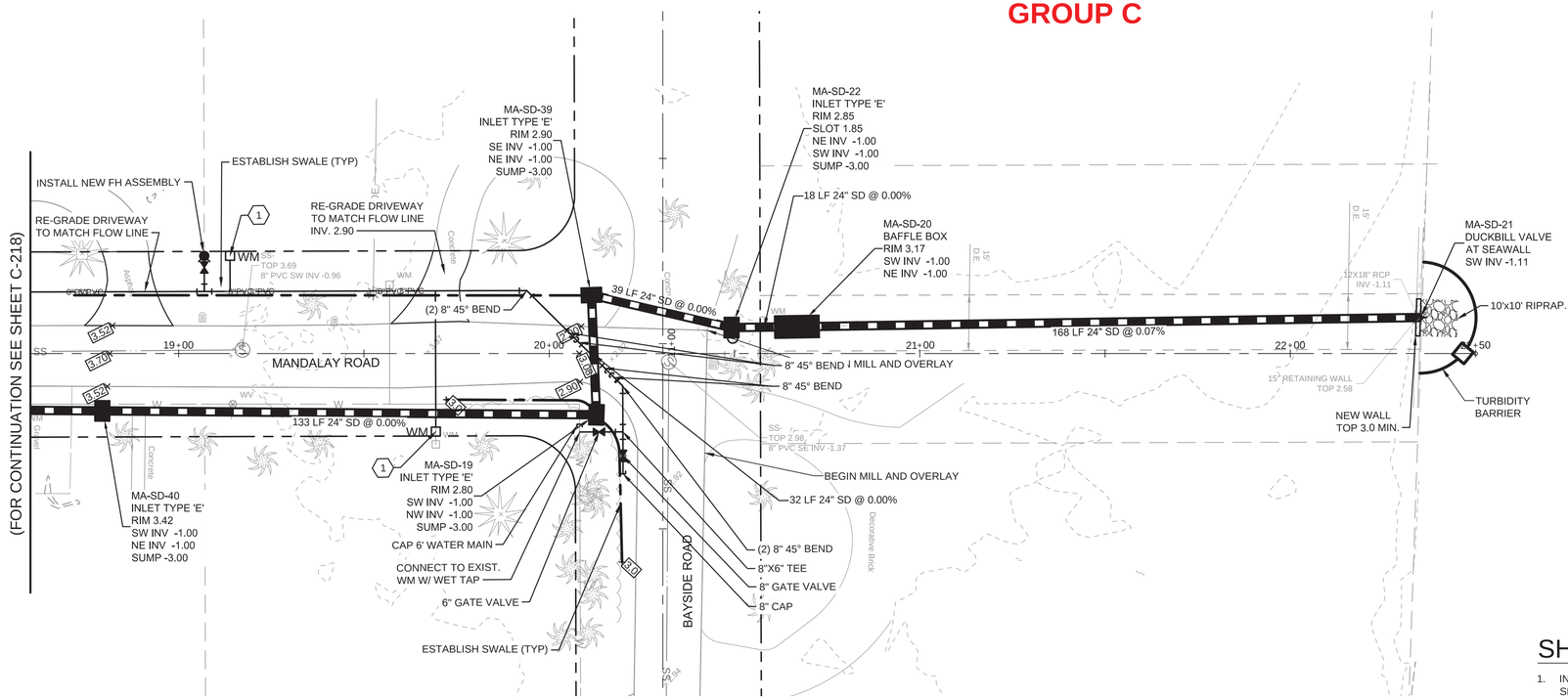
GROUP C

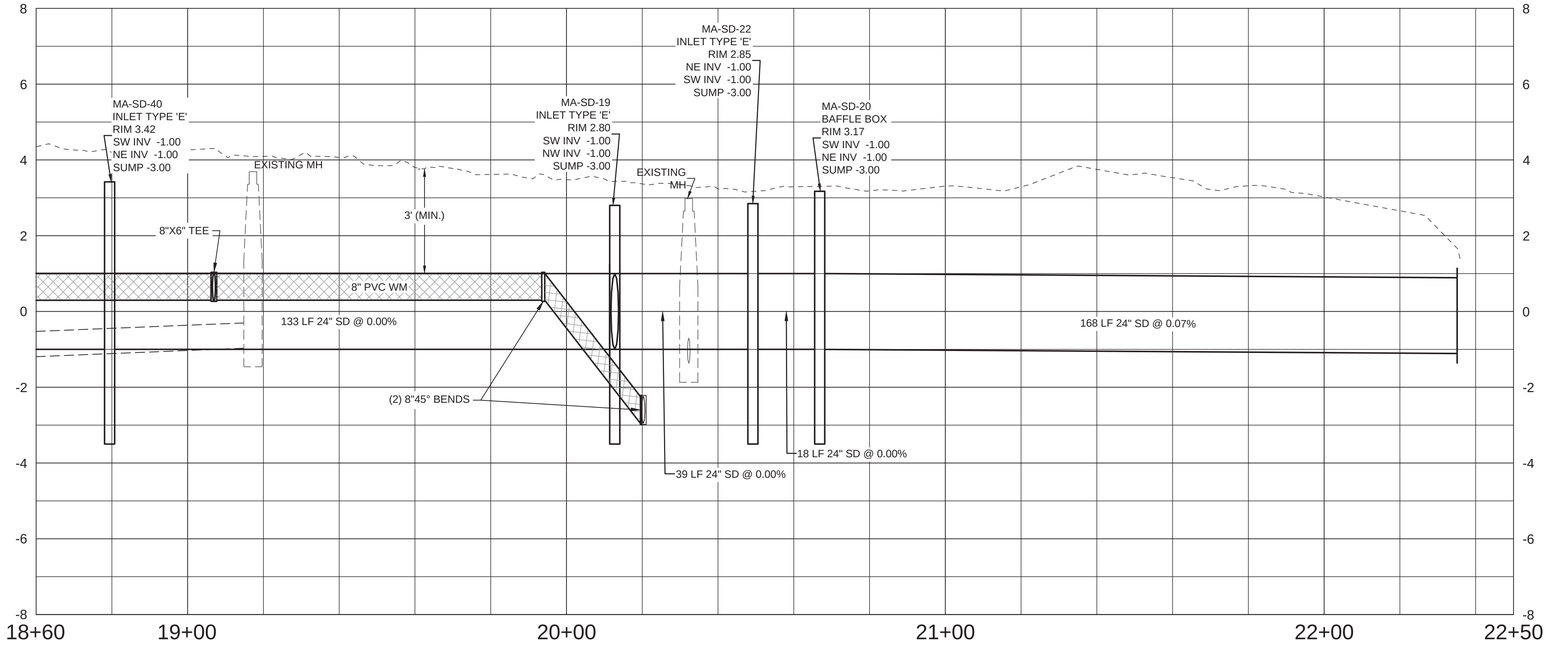


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

MANDALAY ROAD PLAN AND PROFILE

Project No.: 200-74765-18005
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Bar Measures 1 inch

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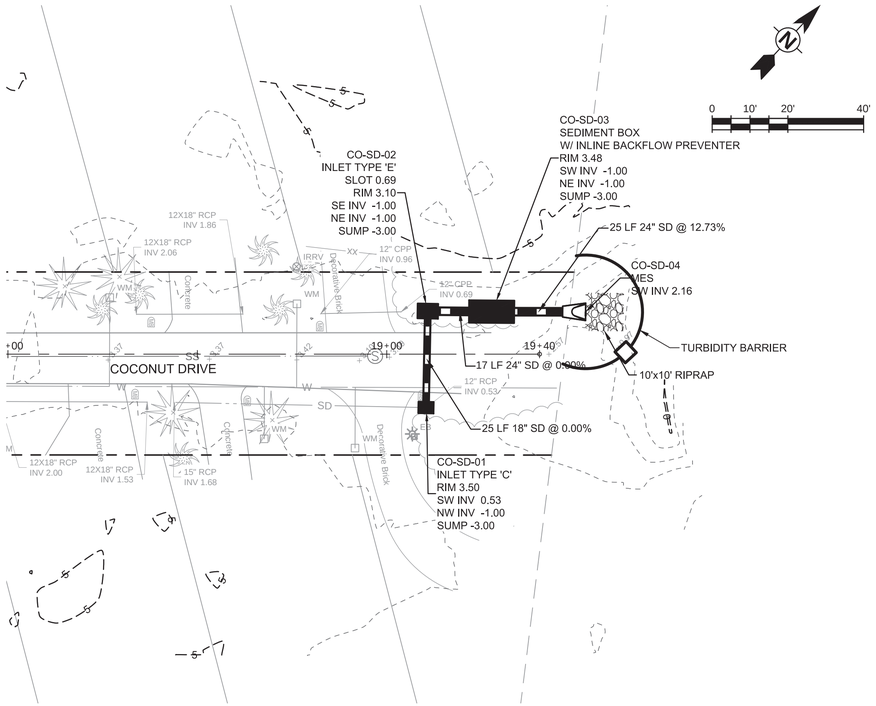
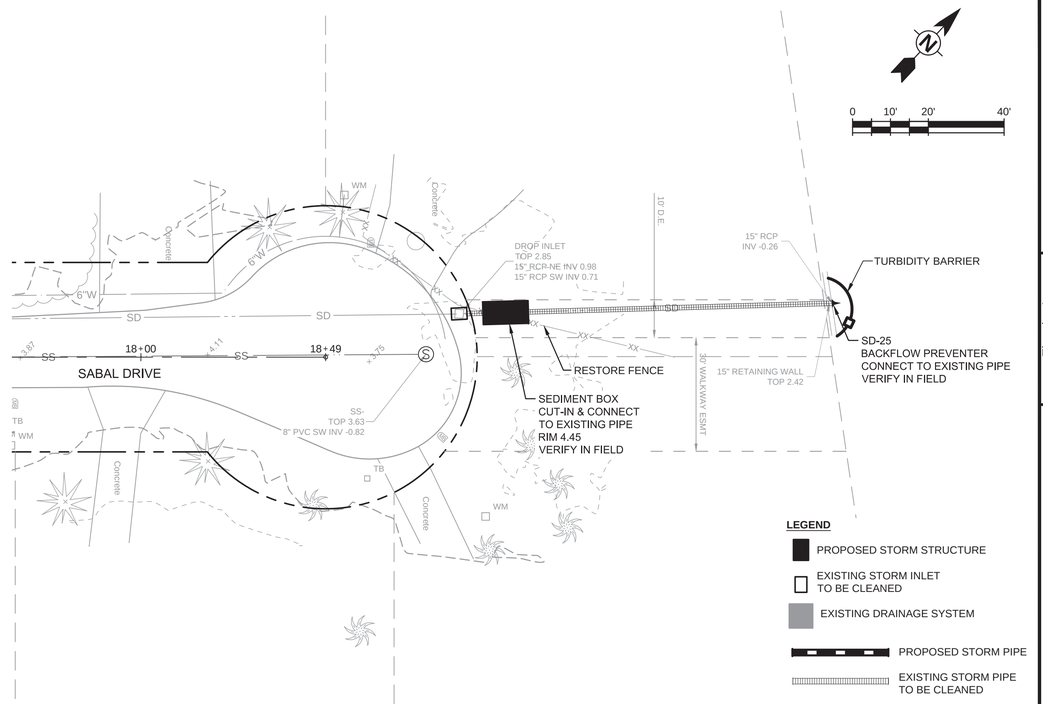
GROUP A





LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

COCONUT & SABAL DRAINAGE OUTFALL PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-219

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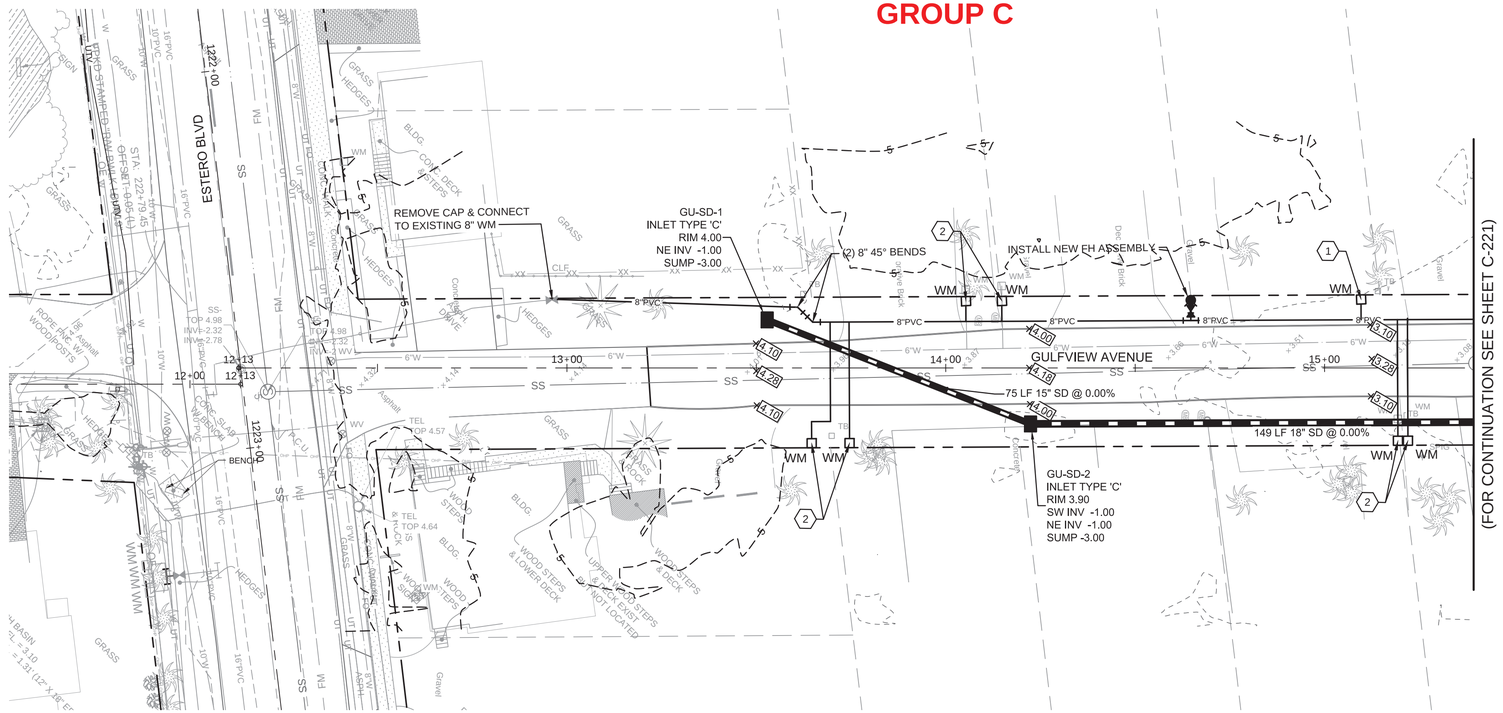
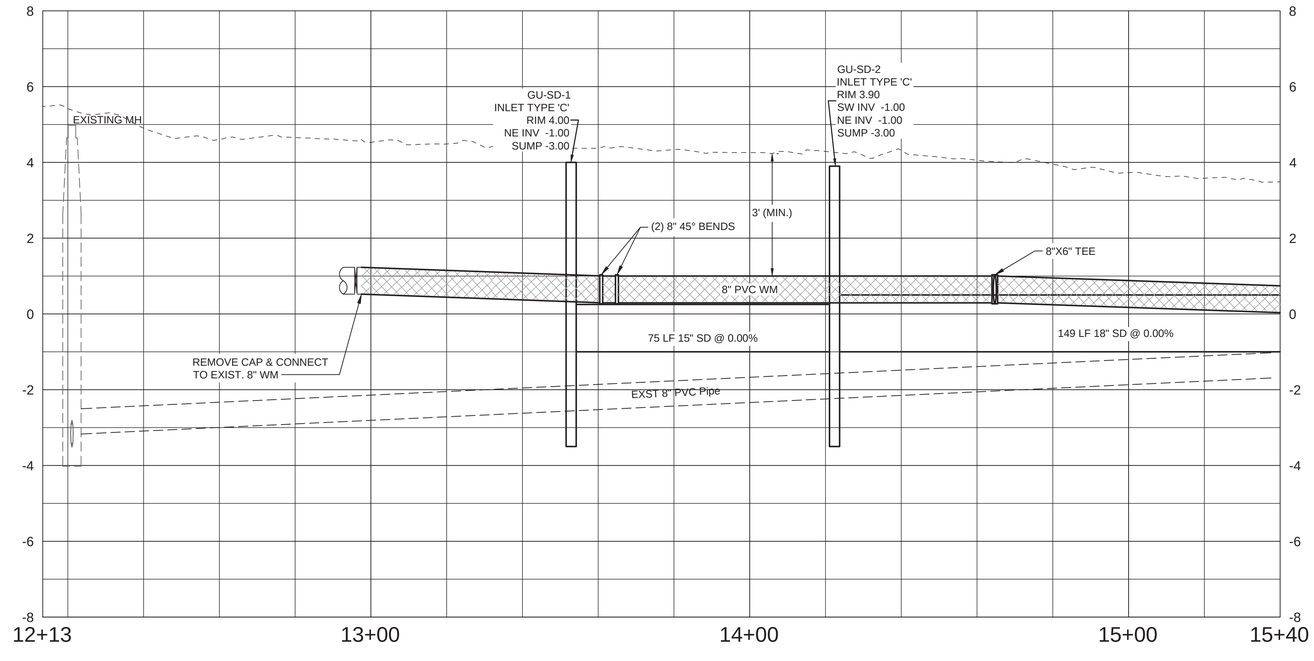
GROUP C





LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

GULFVIEW AVENUE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

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Bar Measures 1 inch

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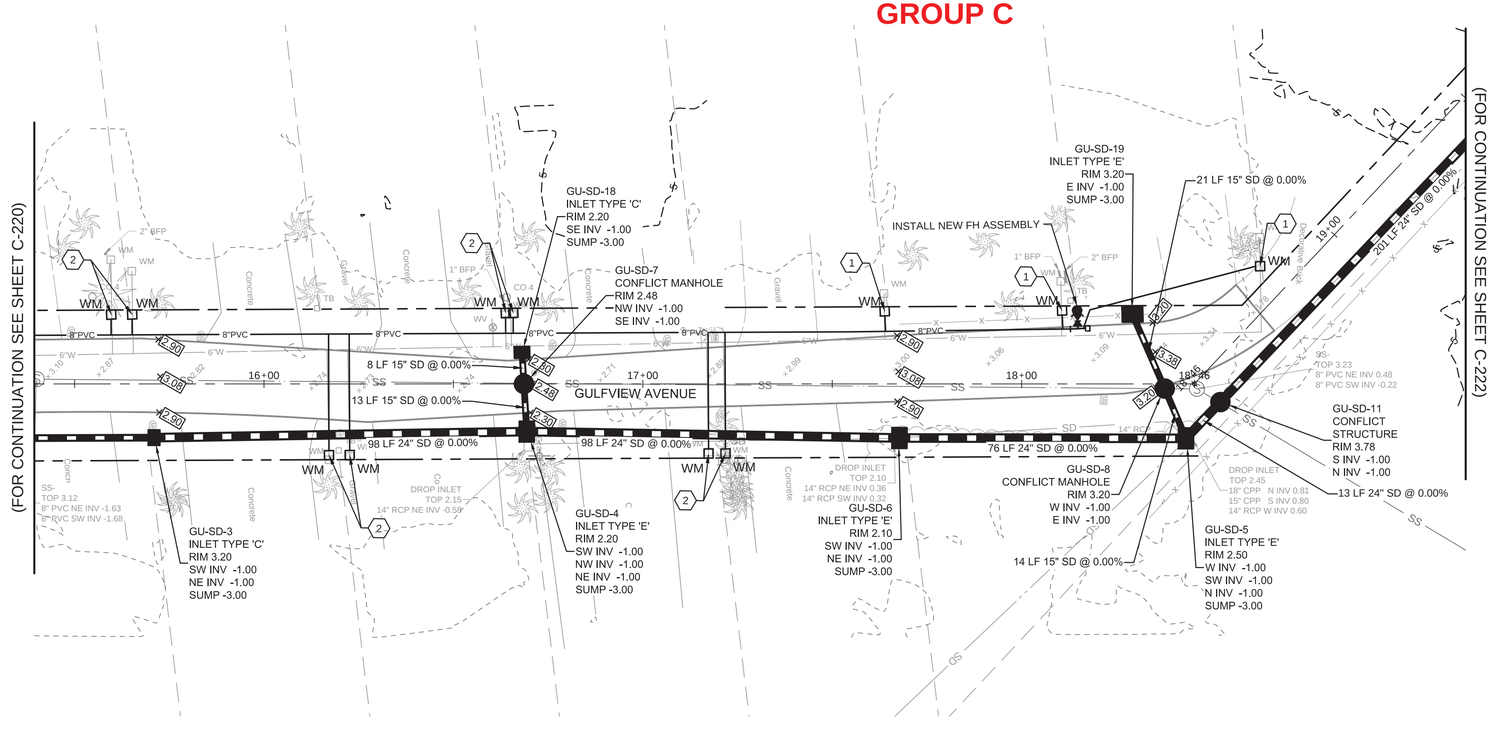
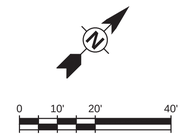
GROUP C



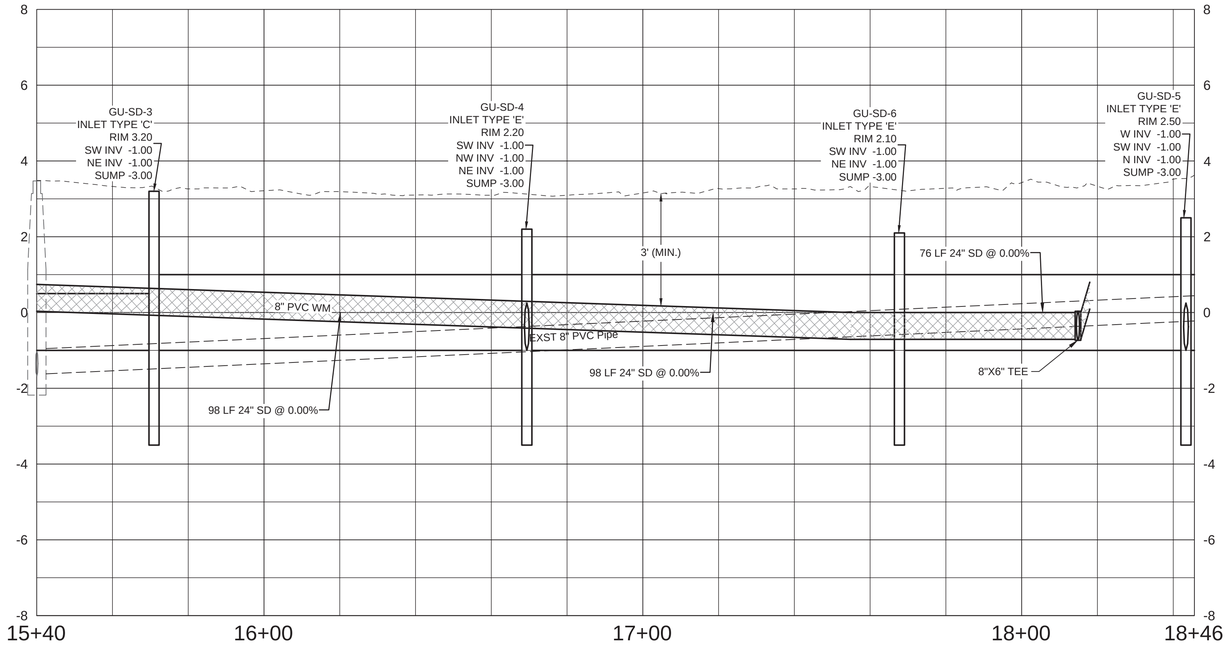


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Orlando, Florida 32801
Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

GULFVIEW AVENUE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

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Bar Measures 1 inch

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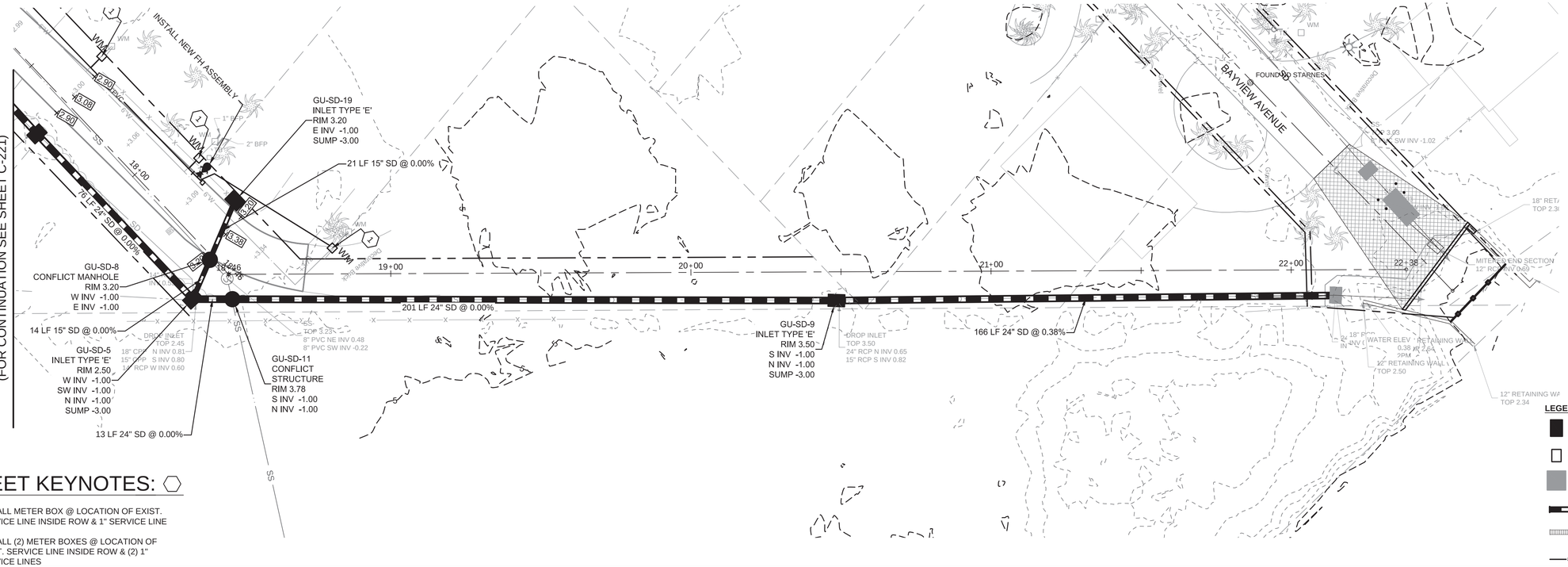
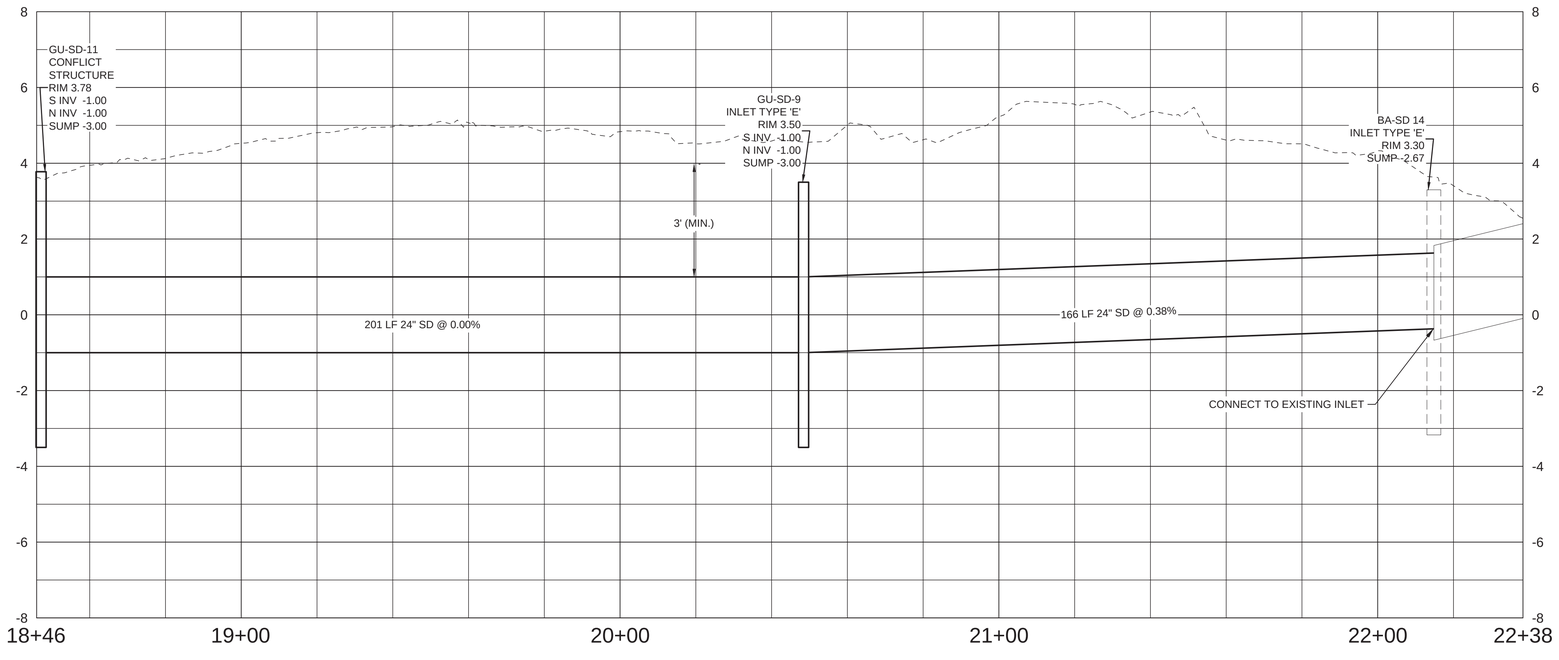
GROUP C



SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

GULFVIEW AVENUE
PLAN AND PROFILE

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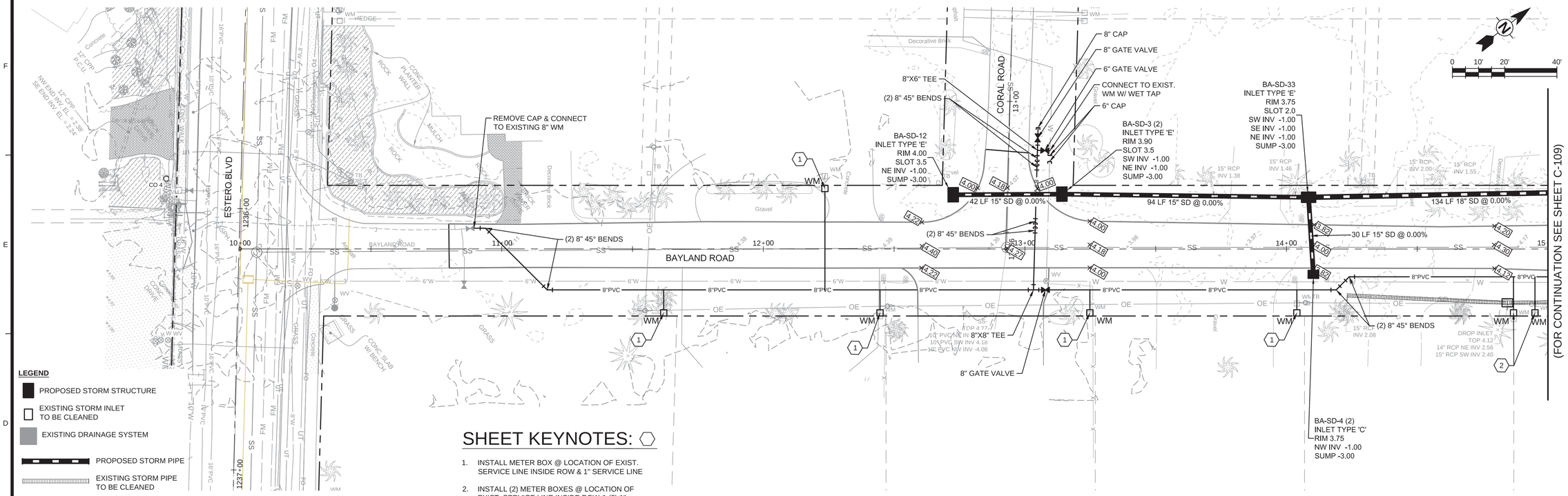
GROUP D

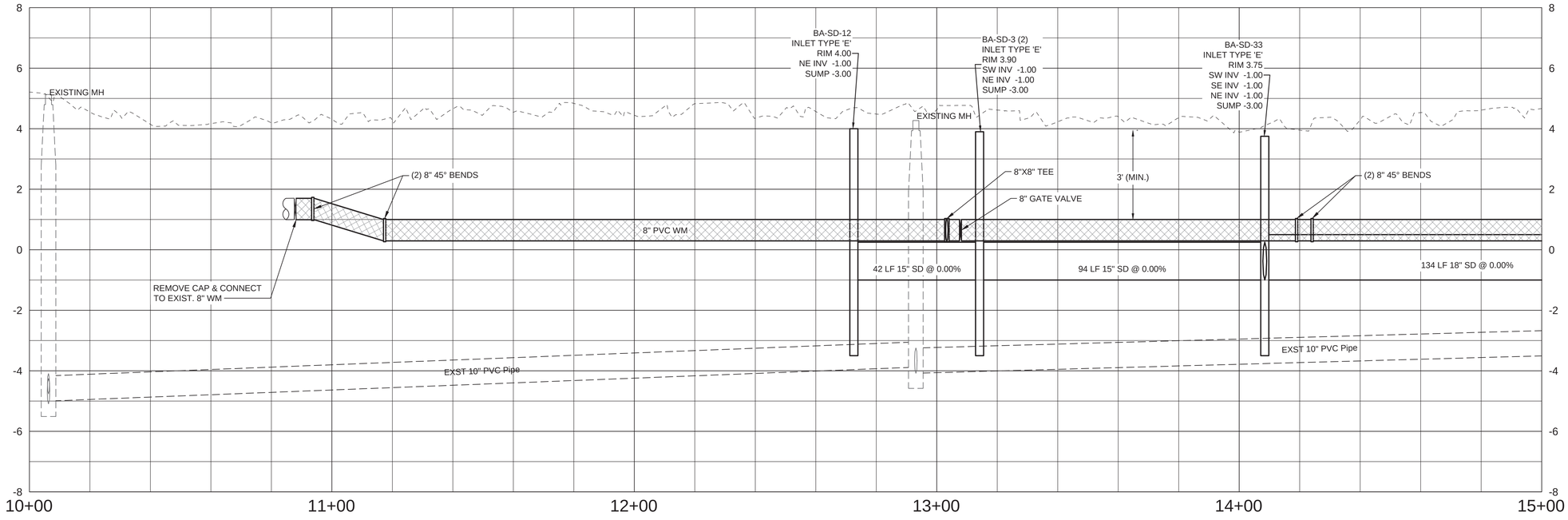


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

BAYLAND ROAD
PLAN AND PROFILE

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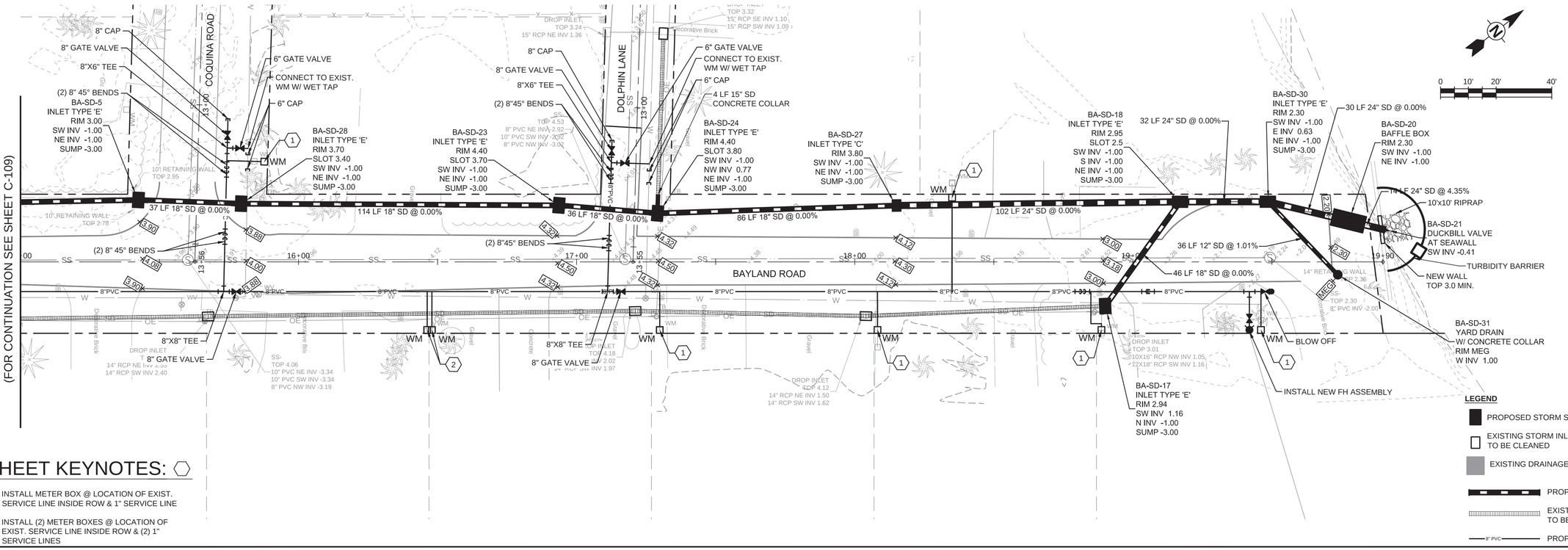
GROUP D



SHEET KEYNOTES:

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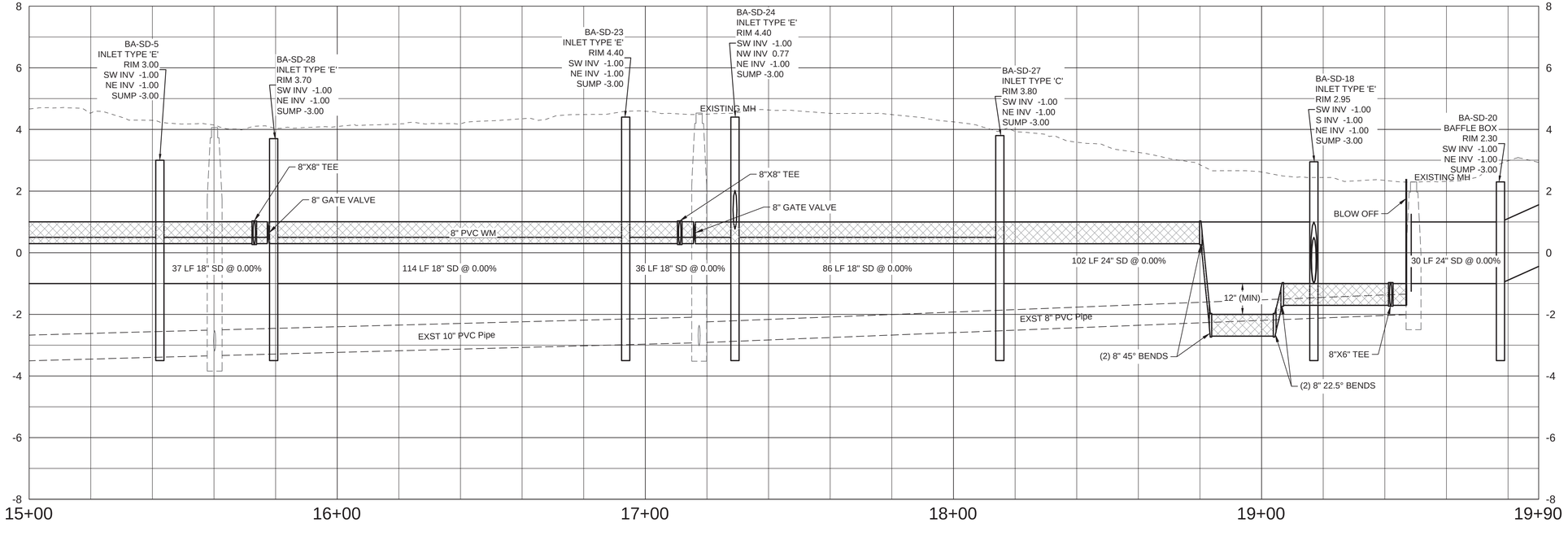
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

BAYLAND ROAD
PLAN AND PROFILE

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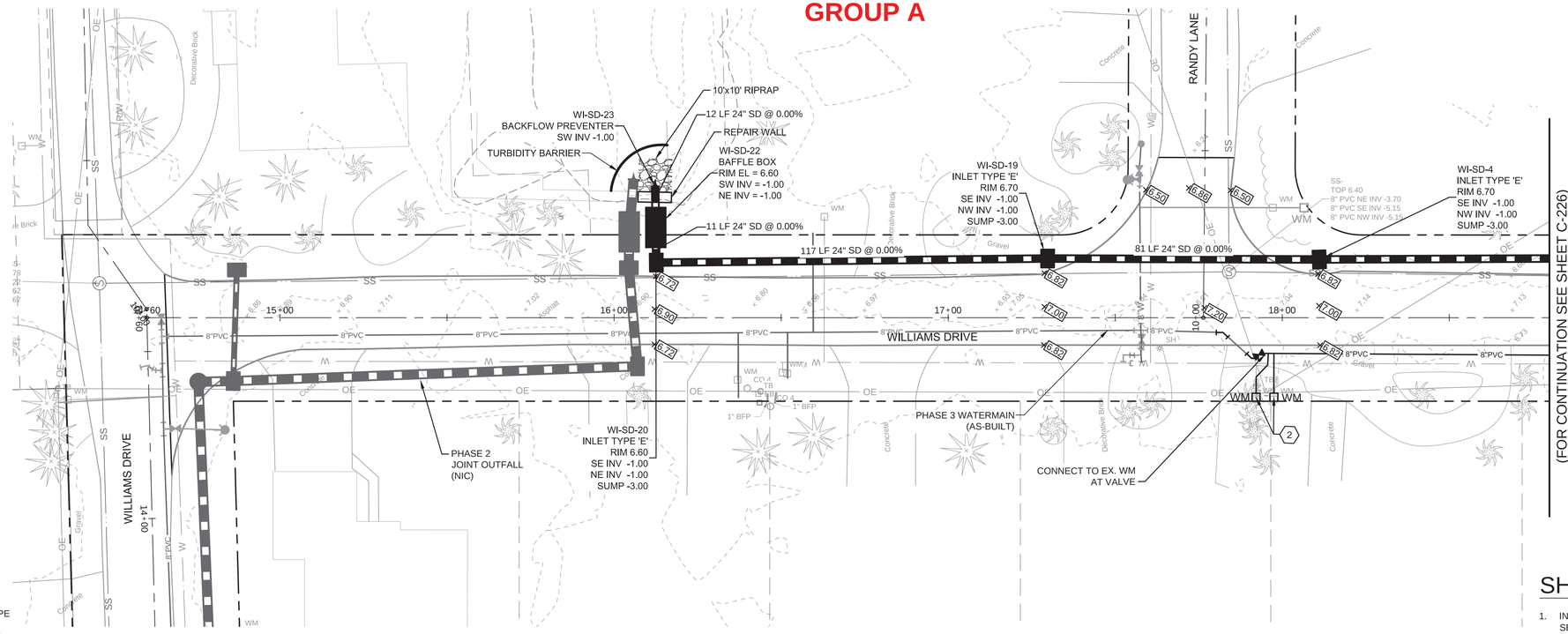
GROUP A



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
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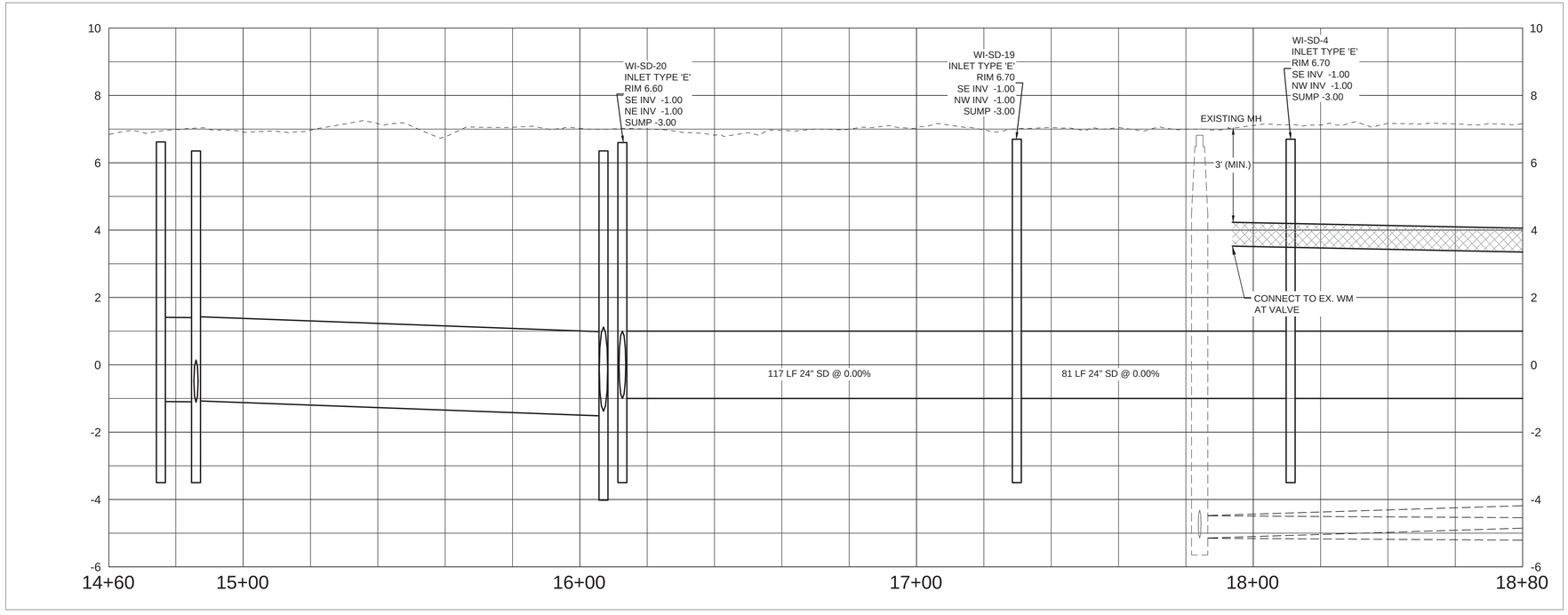

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE
PLAN AND PROFILE

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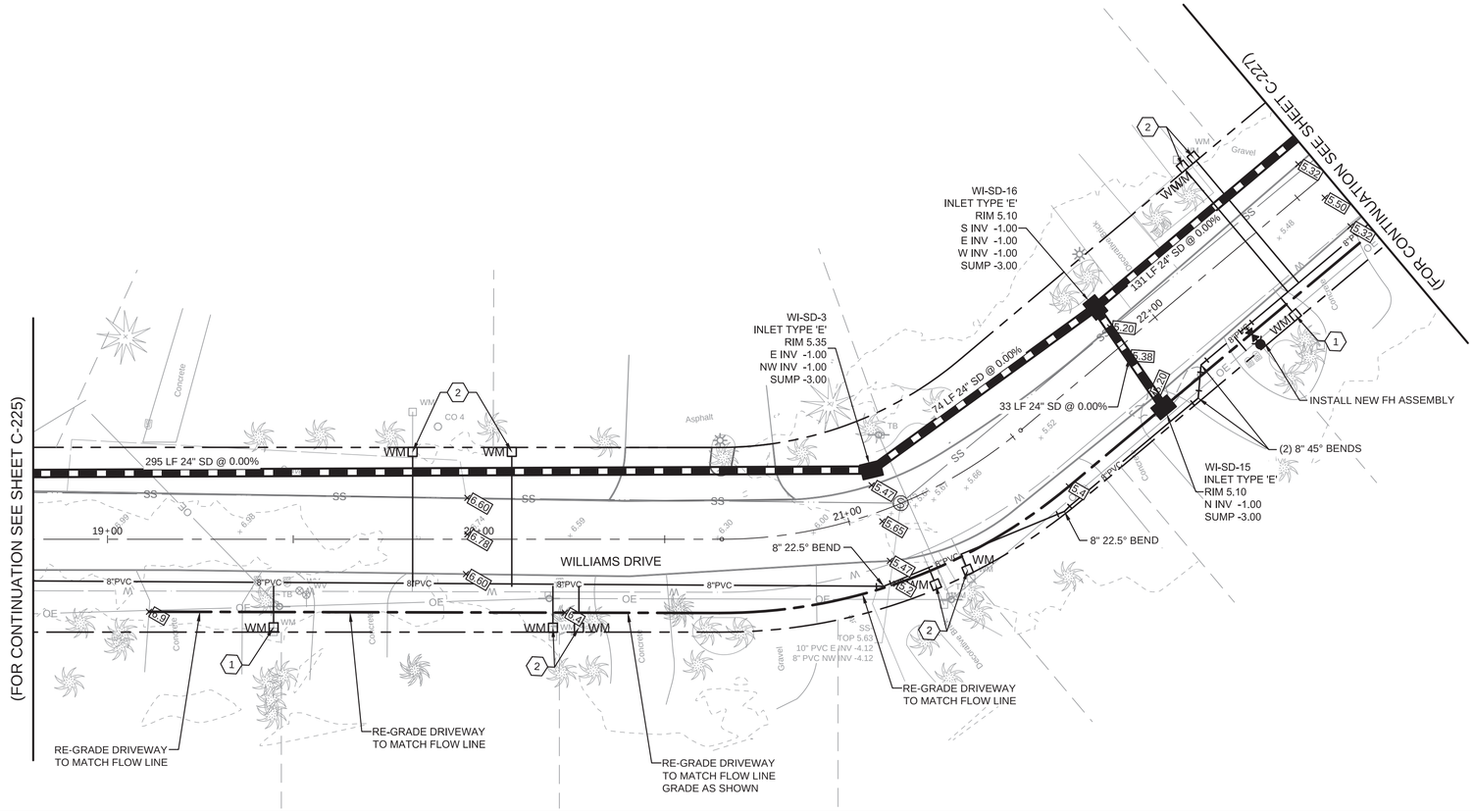
GROUP A

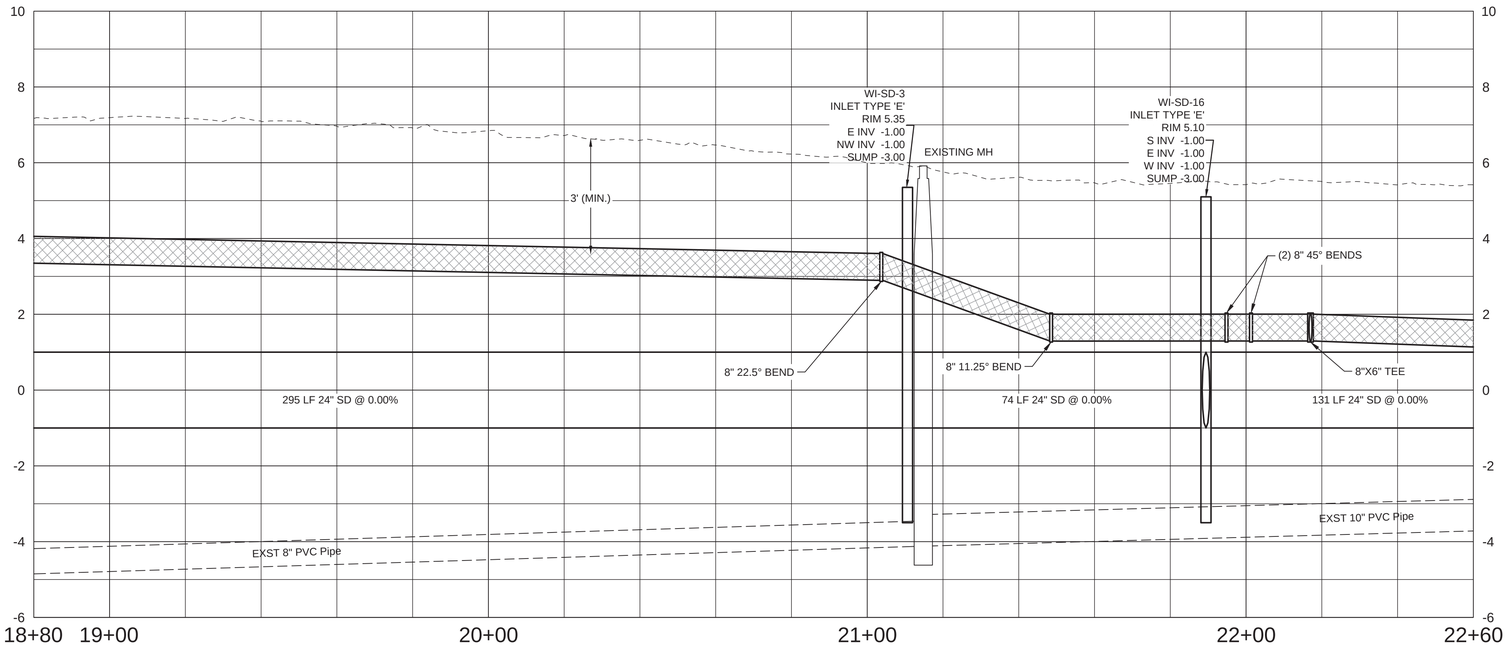


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE
PLAN AND PROFILE

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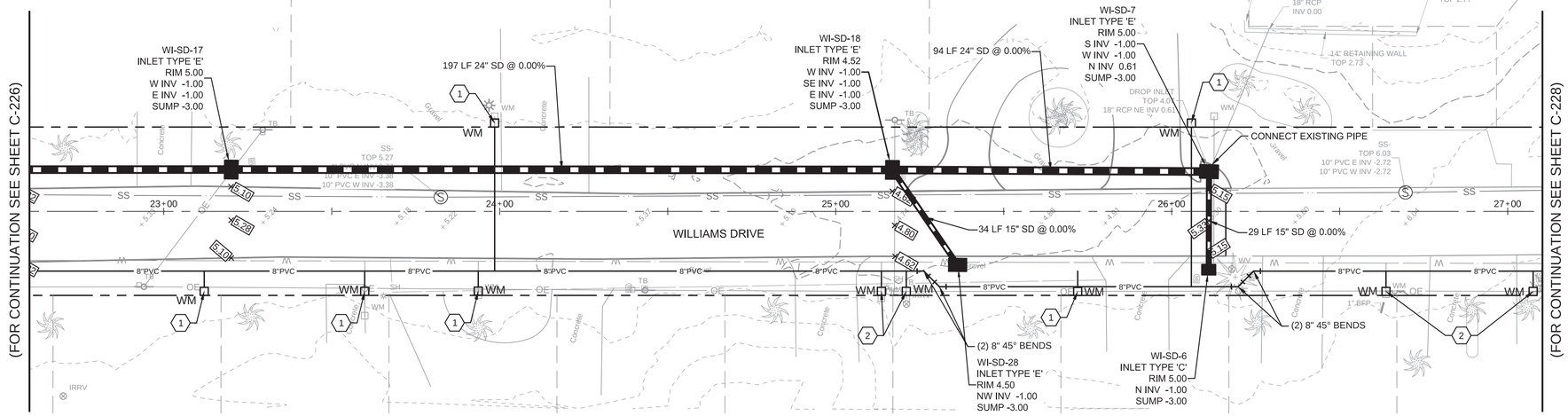
GROUP A



SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
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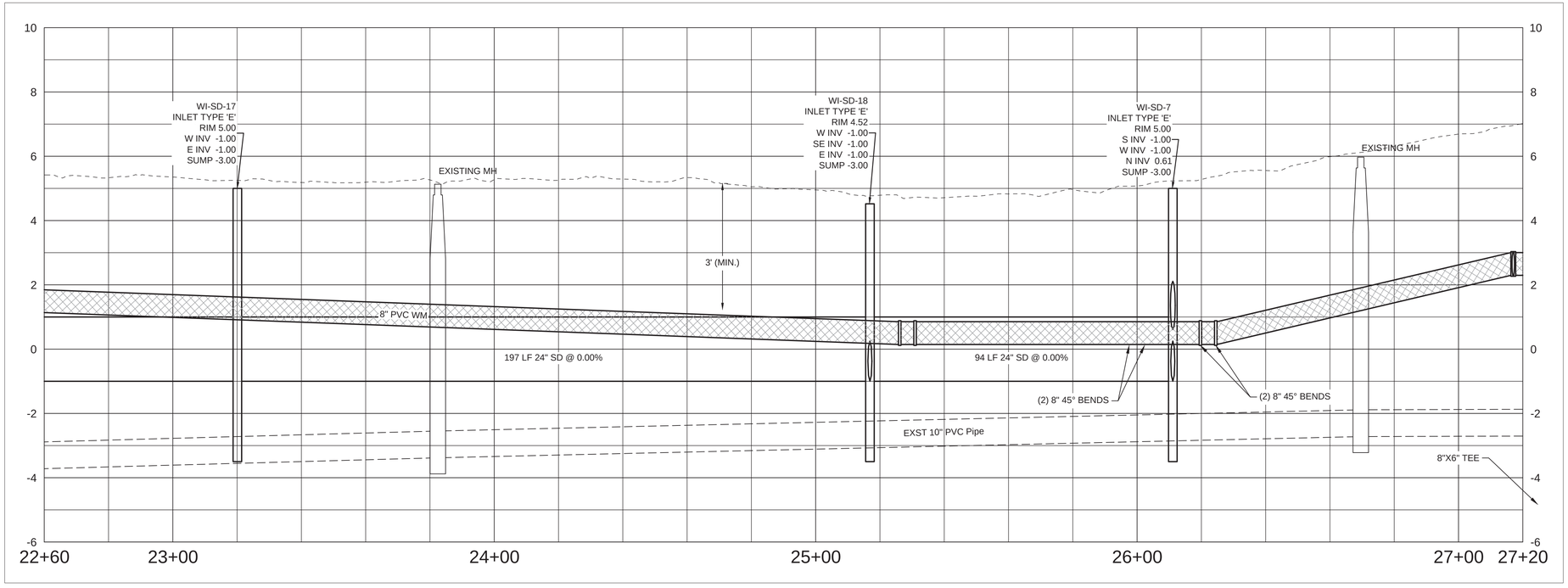
LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE
PLAN AND PROFILE

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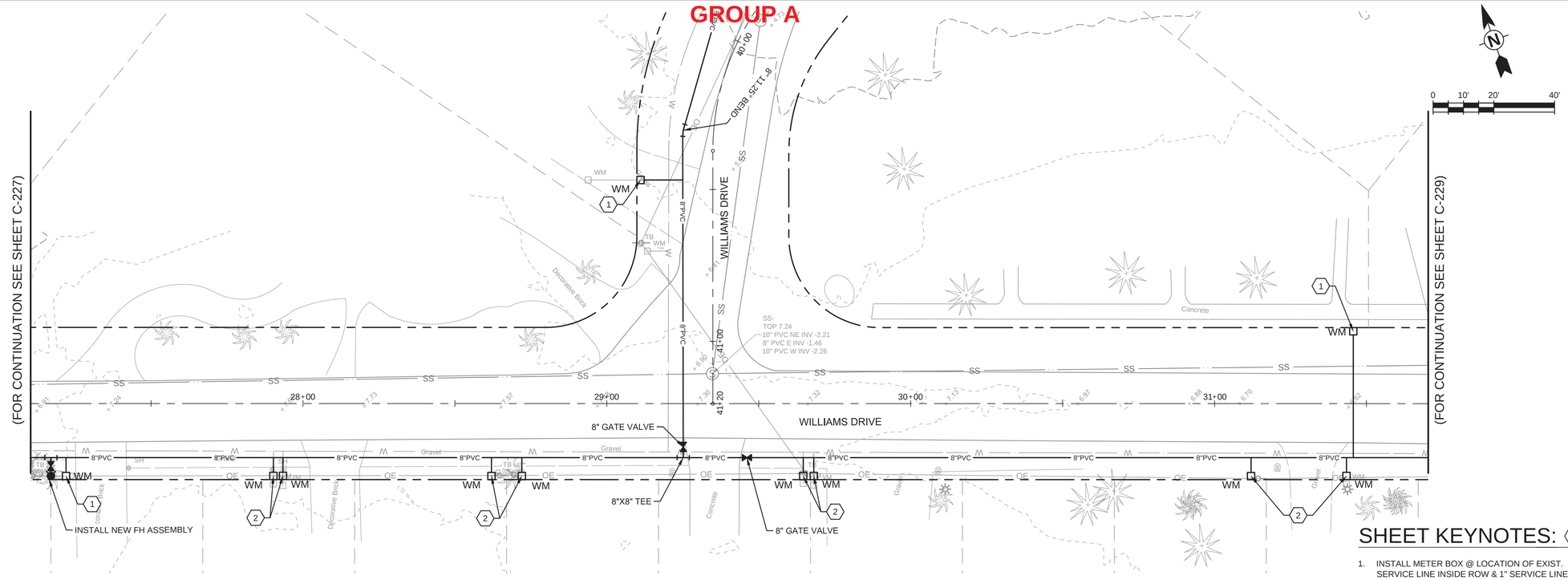
GROUP A

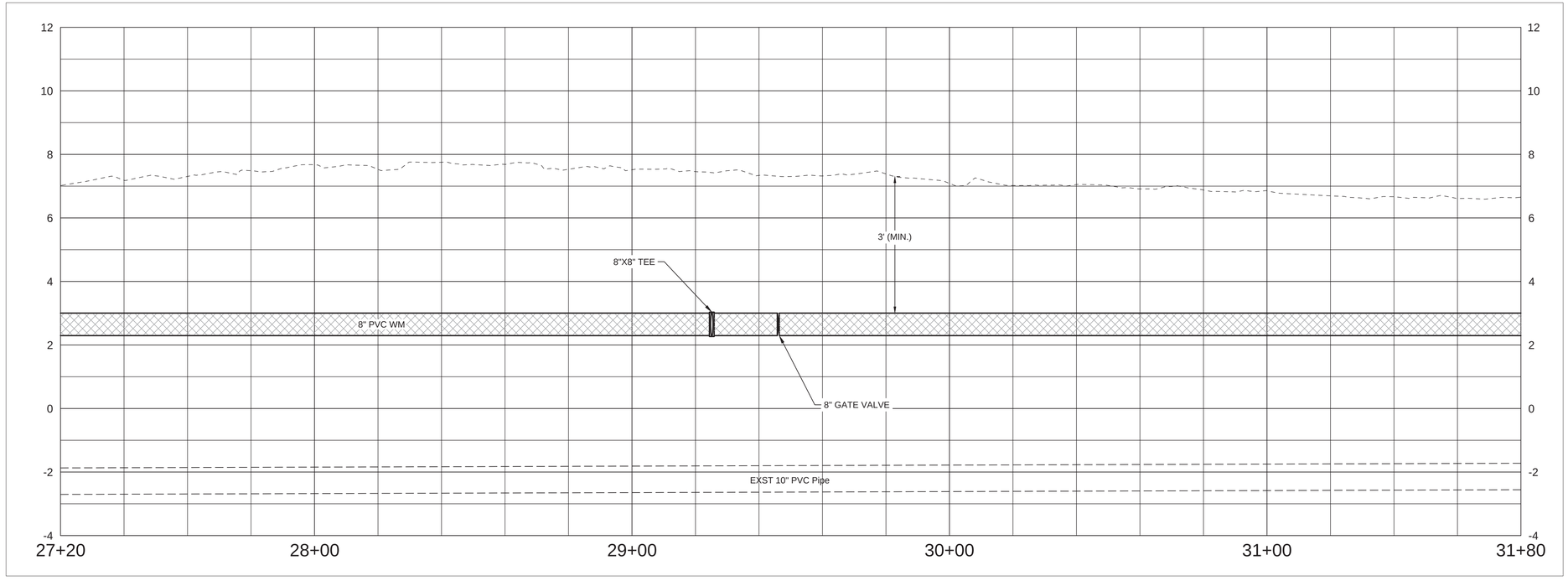


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS BLVD PLAN AND PROFILE

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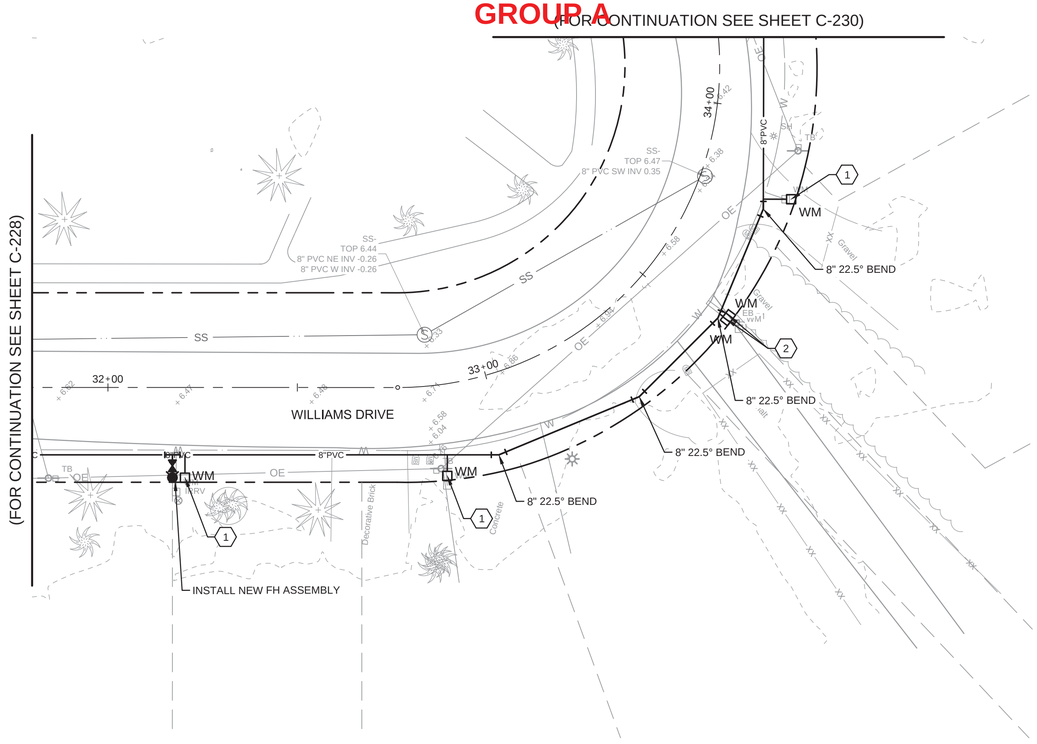
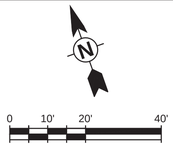
GROUP A



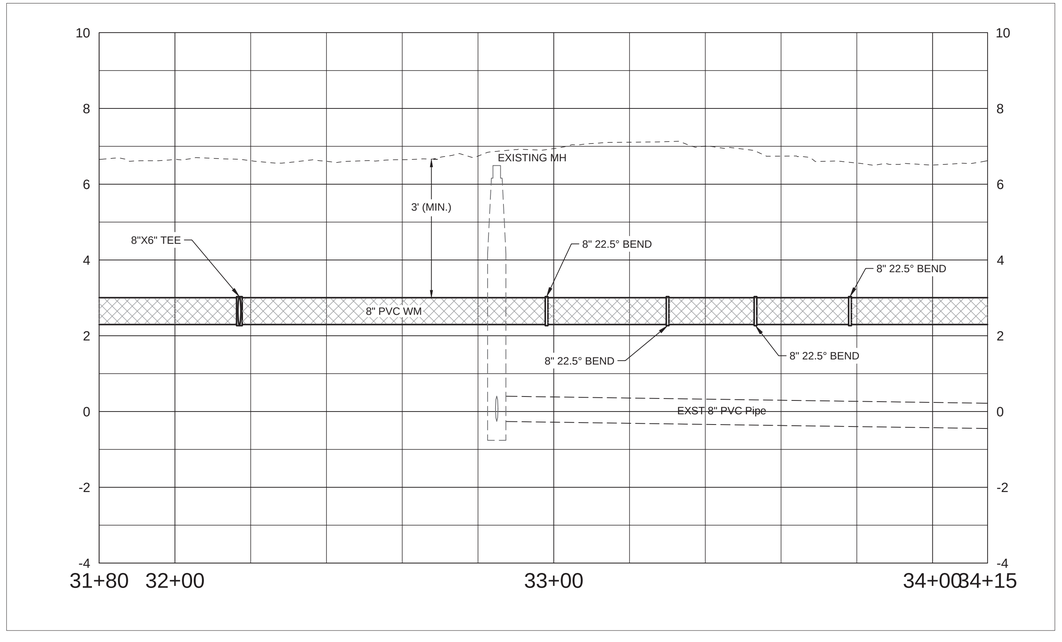


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE PLAN AND PROFILE

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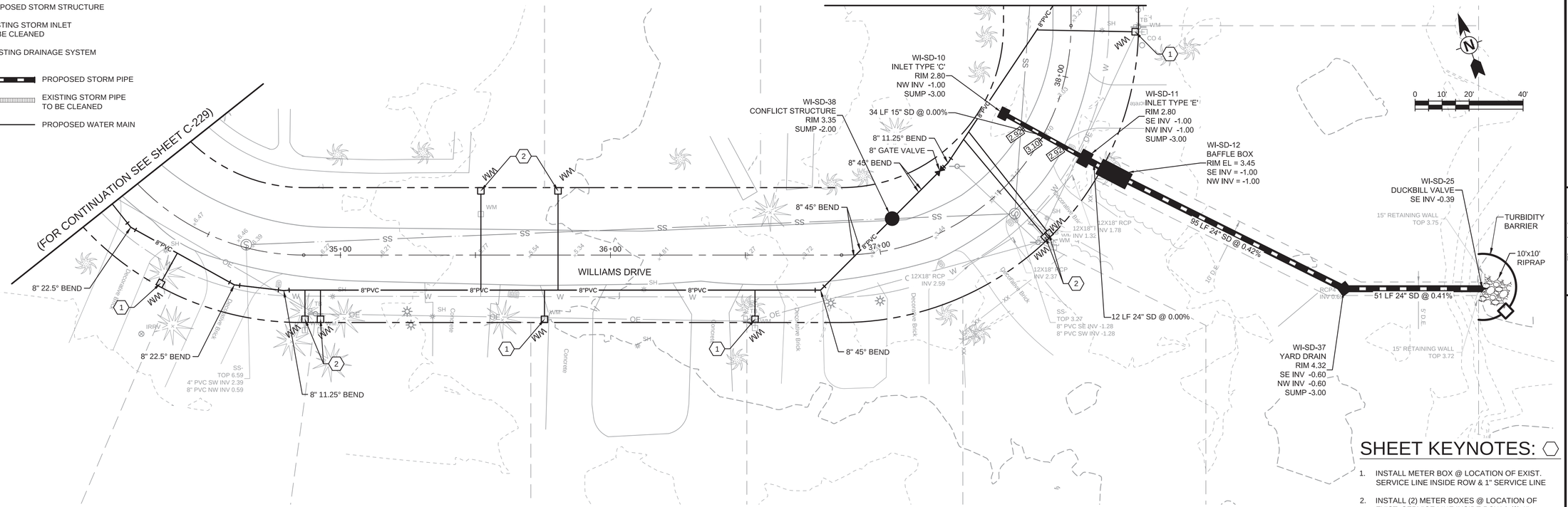
GROUP A (FOR CONTINUATION SEE SHEET C-231)

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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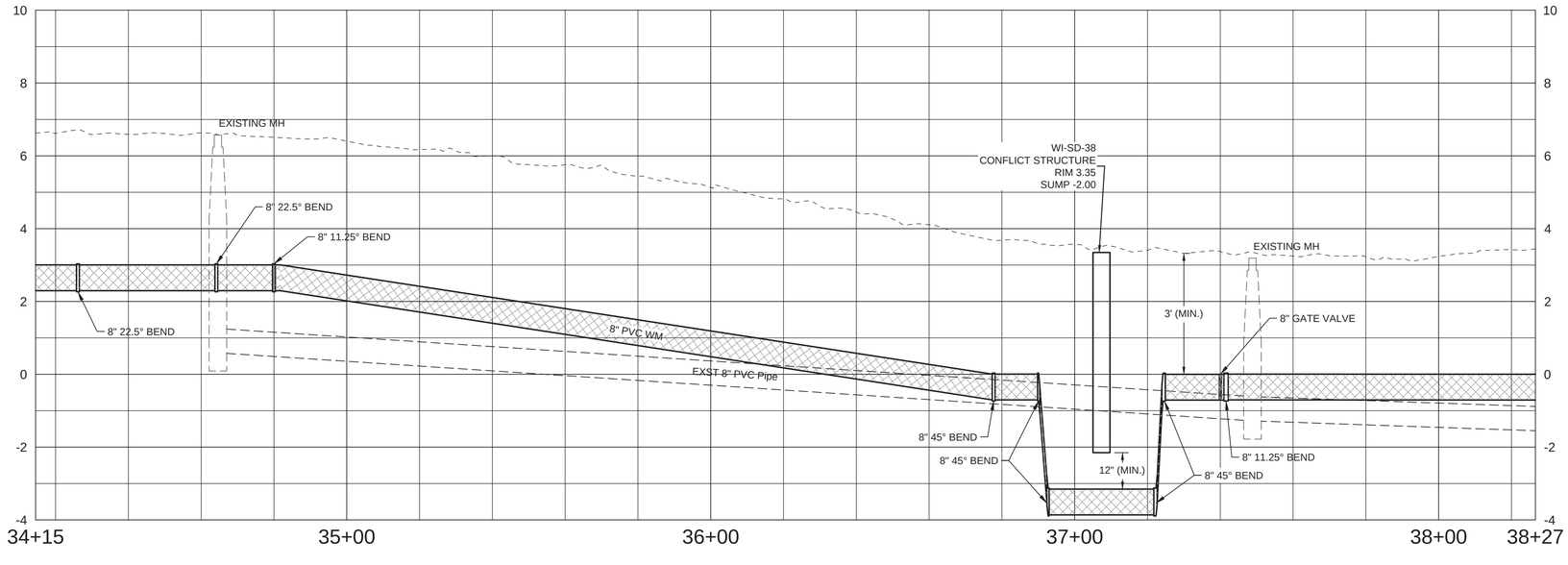

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TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE PLAN AND PROFILE

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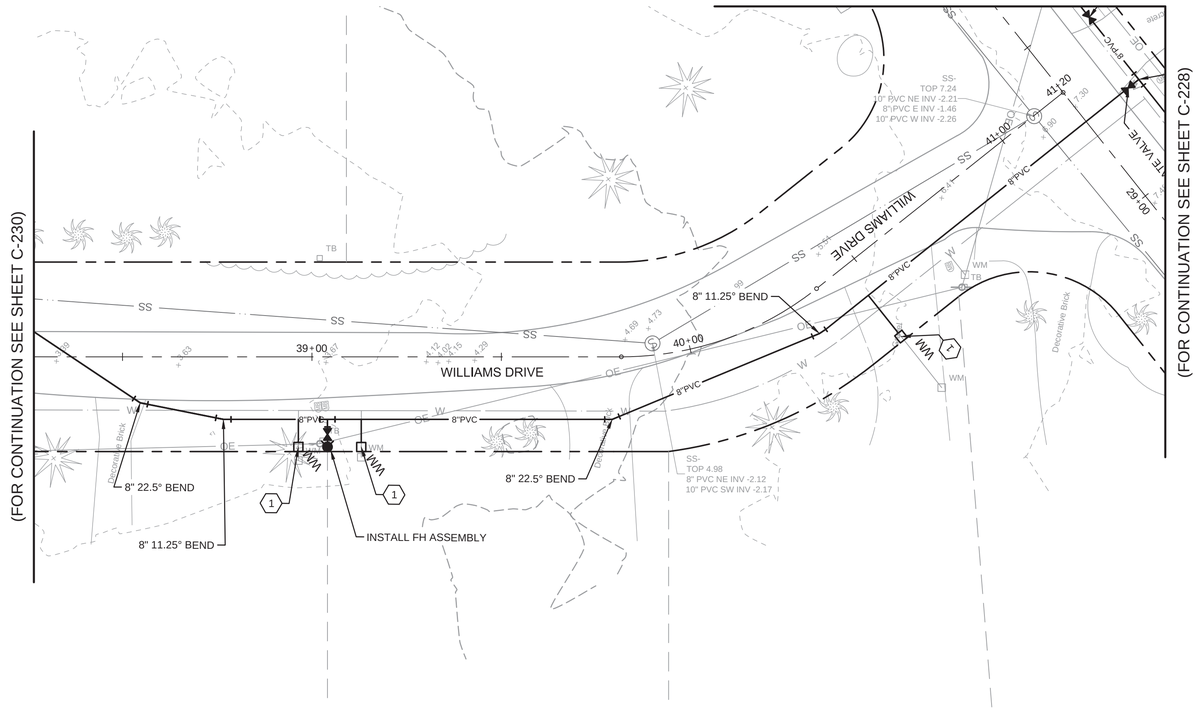
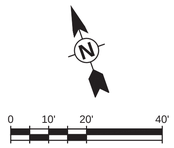
GROUP A



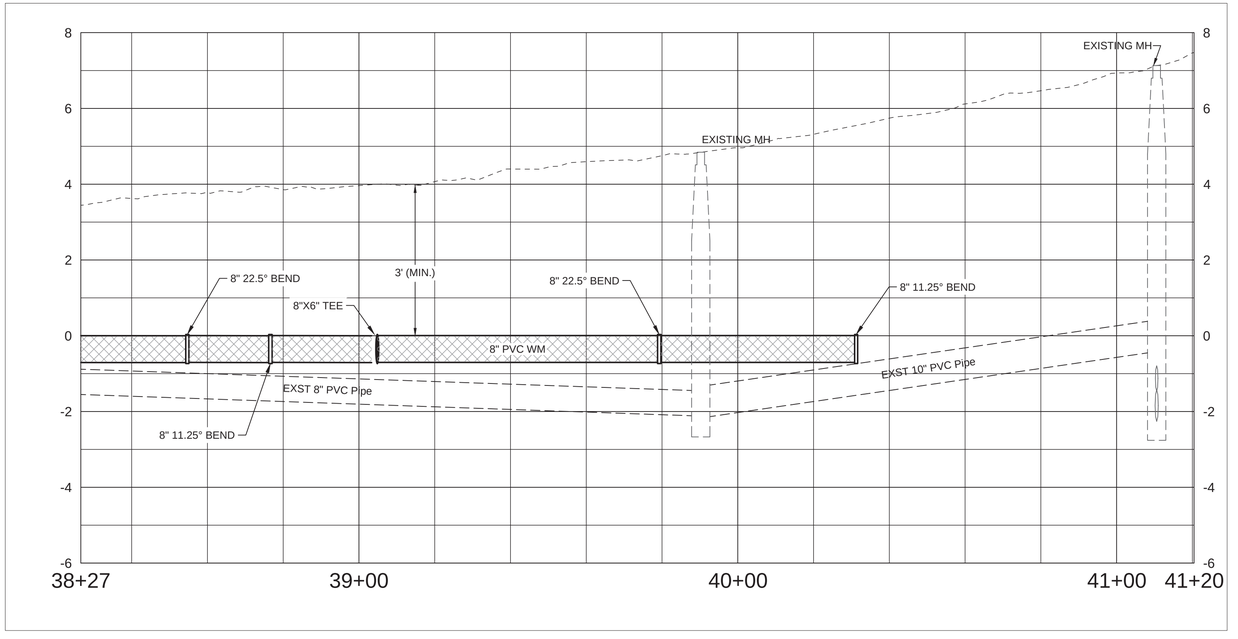


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

WILLIAMS DRIVE PLAN AND PROFILE

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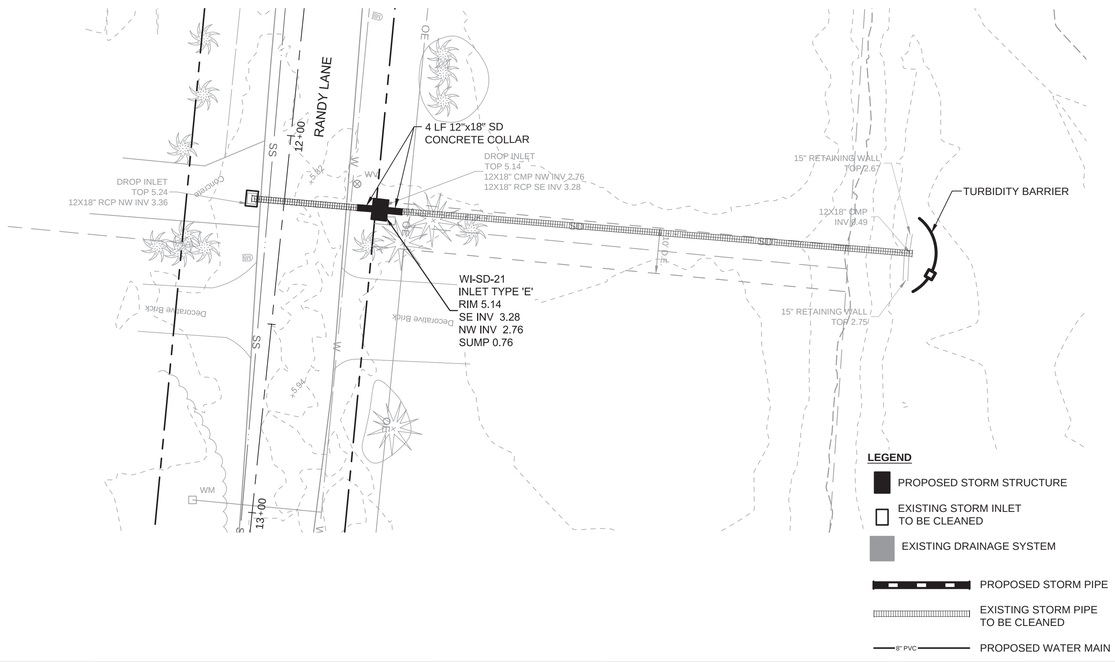
8/10/2022 12:55:25 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-300 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP A



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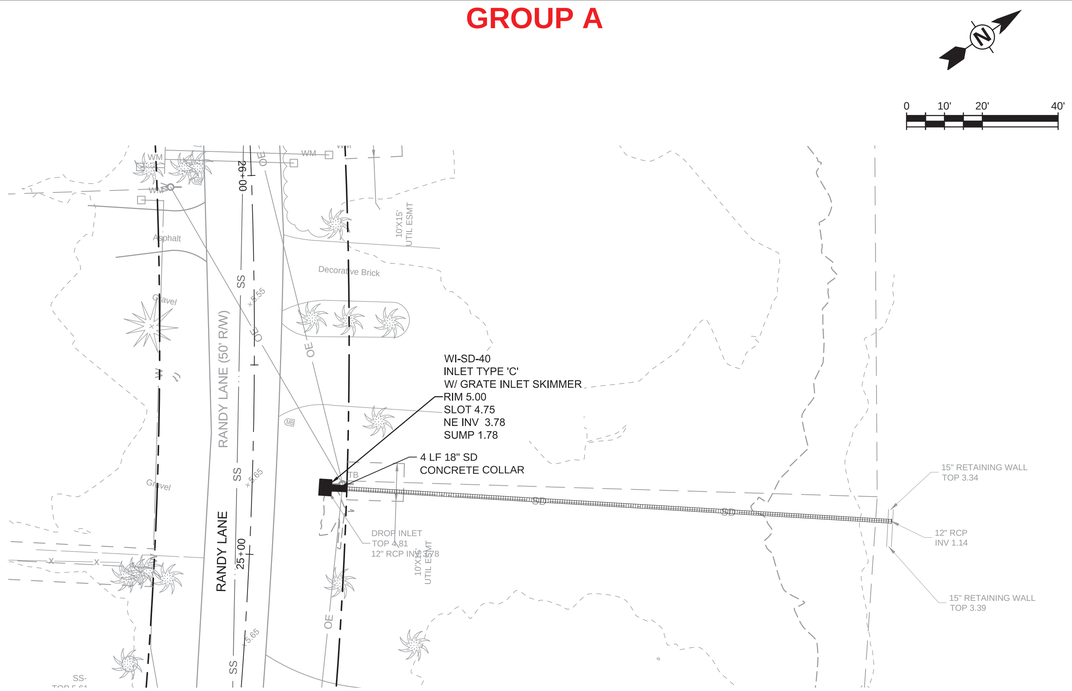

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Timothy A.
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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

RANDY LANE
DRAINAGE OUTFALLS PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-232

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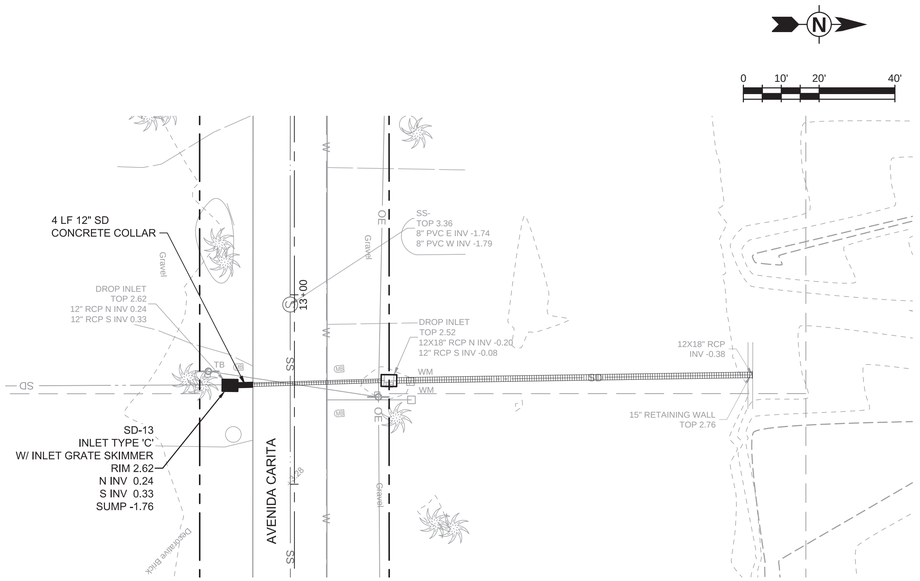
GROUP A



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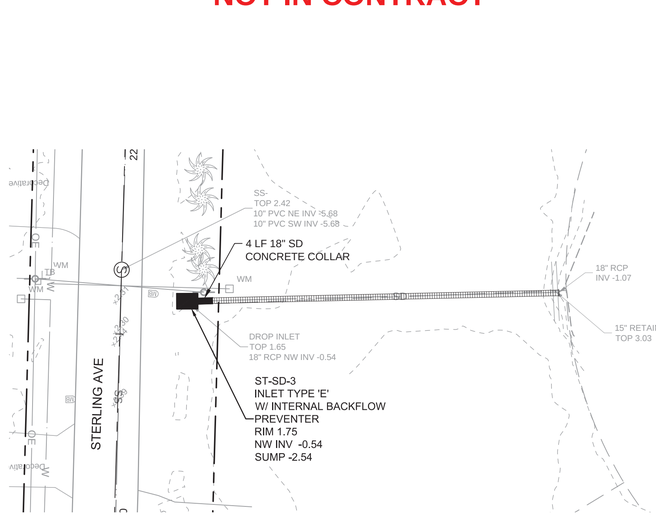

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

AVENIDA CARITA & STERLING DRAINAGE OUTFALL PLAN

Project No.: 200-74765-18005
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Bar Measures 1 inch

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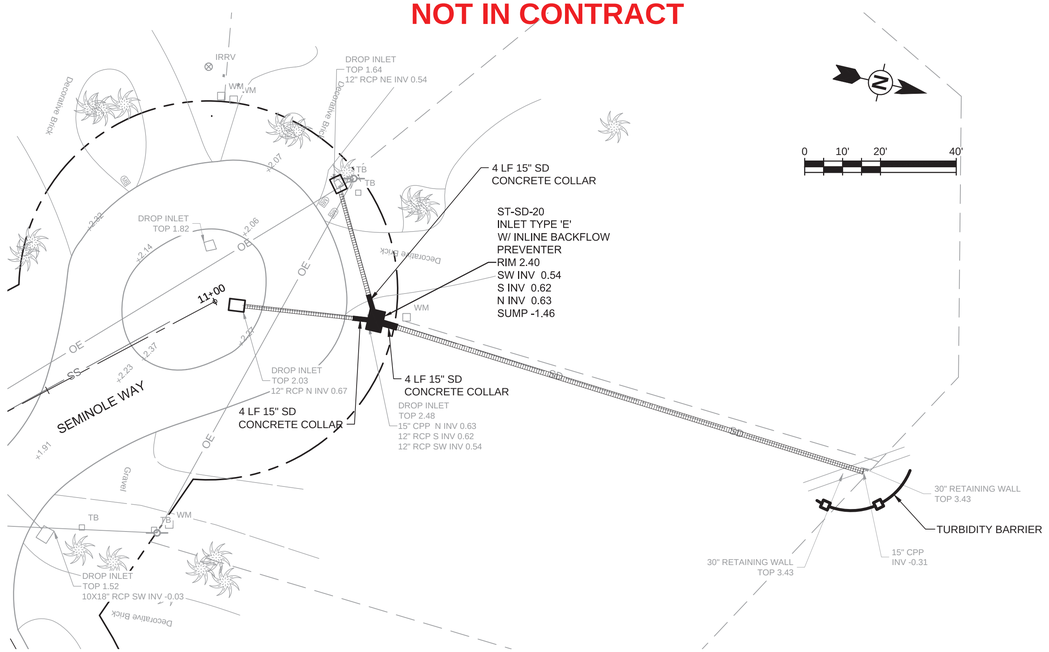
NOT IN CONTRACT



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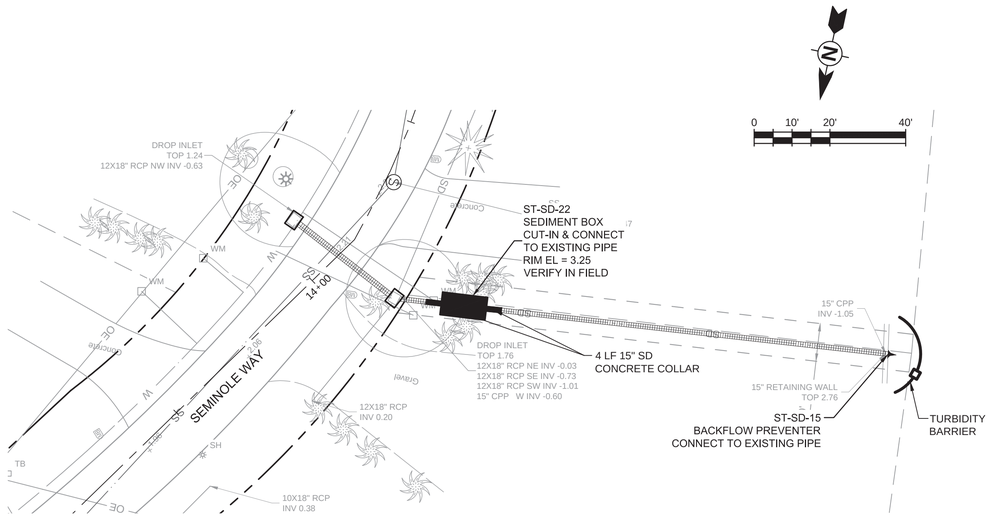

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SEMINOLE WAY
DRAINAGE OUTFALLS PLAN

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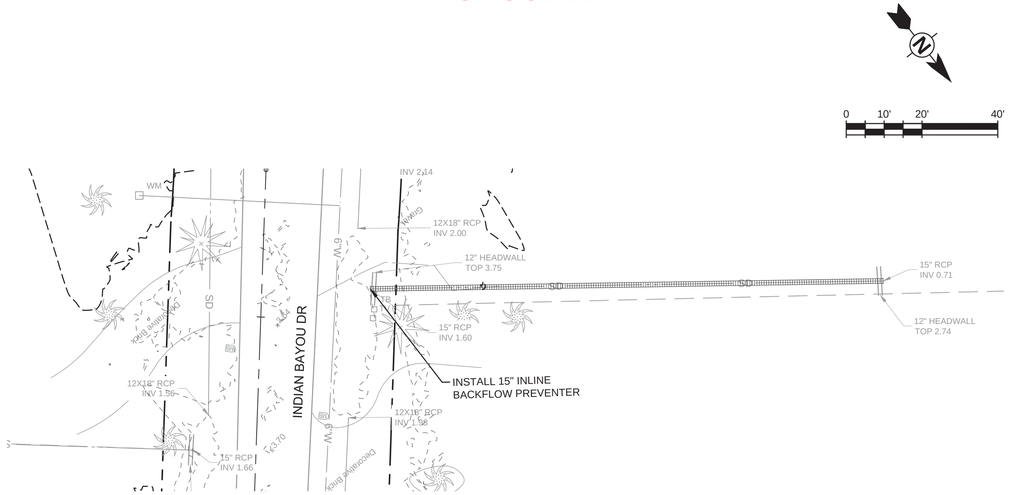
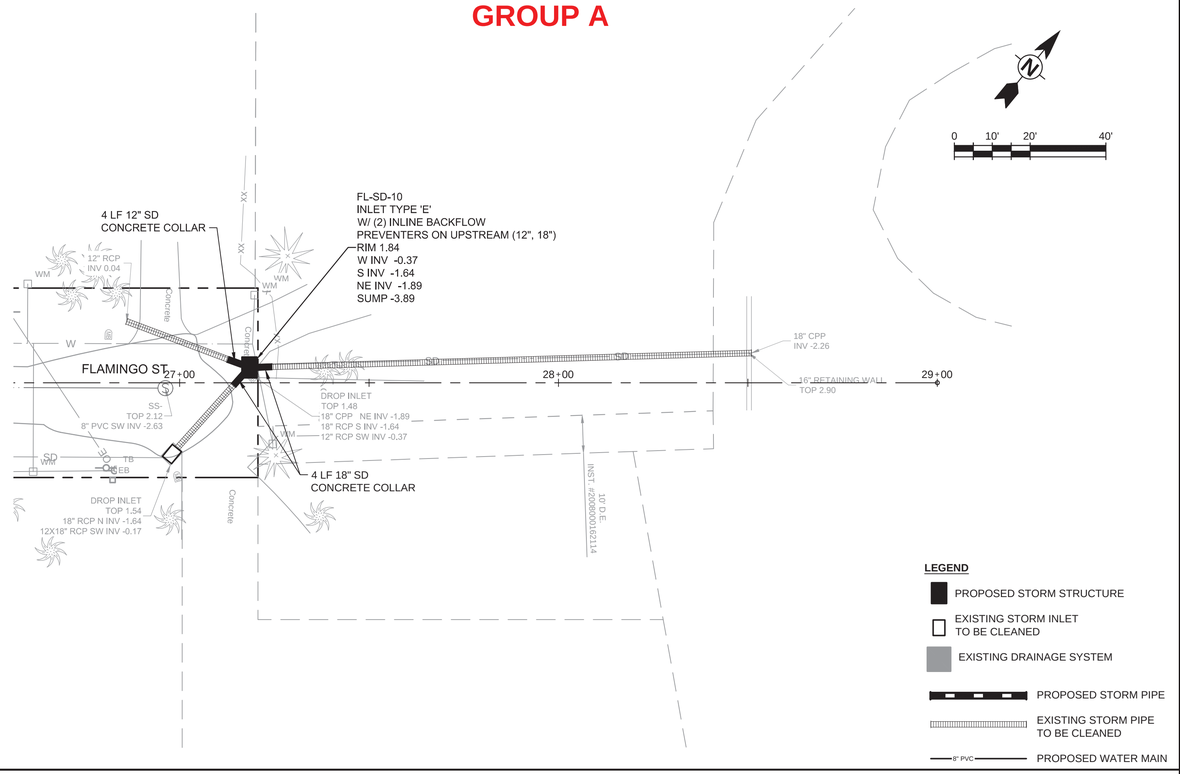
GROUP A


N
0 10' 20' 40'
WM
INV 2.14
DRAIN
12X18" RCP
INV 2.00
12" HEADWALL
TOP 3.75
15" RCP
INV 0.71
12" HEADWALL
TOP 2.74
SD
SD
SD

GROUP A



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FLAMINGO STTREET
DRAINAGE OUTFALLS PLAN

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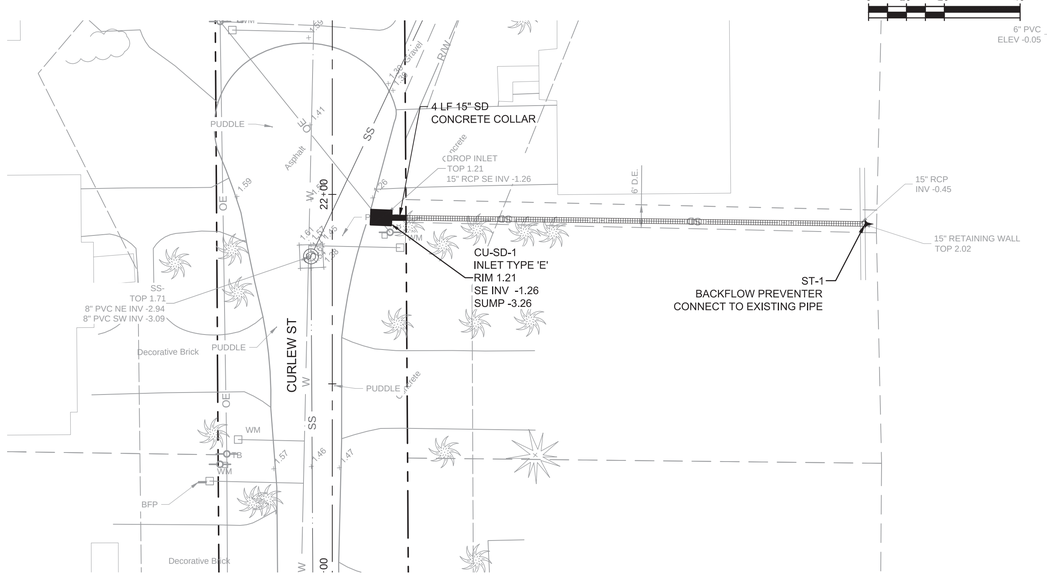
GROUP A



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

CURLEW ST DRAINAGE OUTFALLS PLAN

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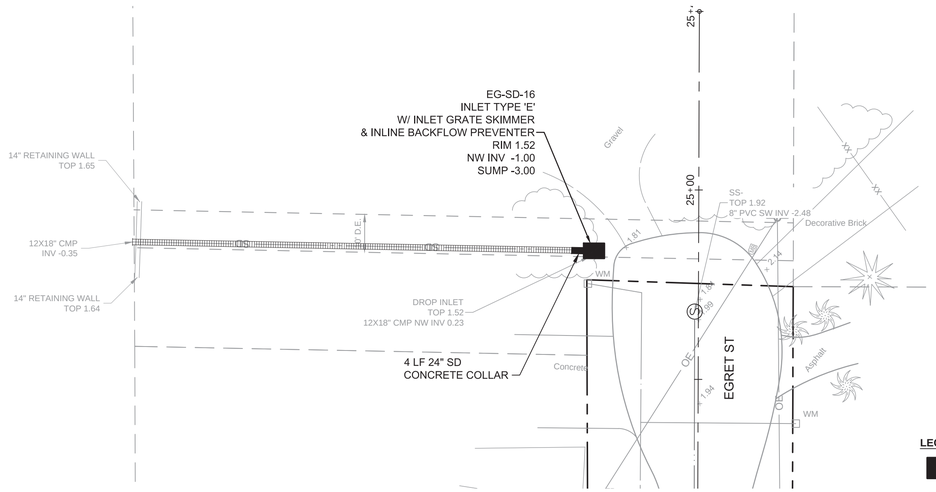
GROUP A



0 10' 20' 40'

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

EGRET STREET
DRAINAGE OUTFALLS PLAN

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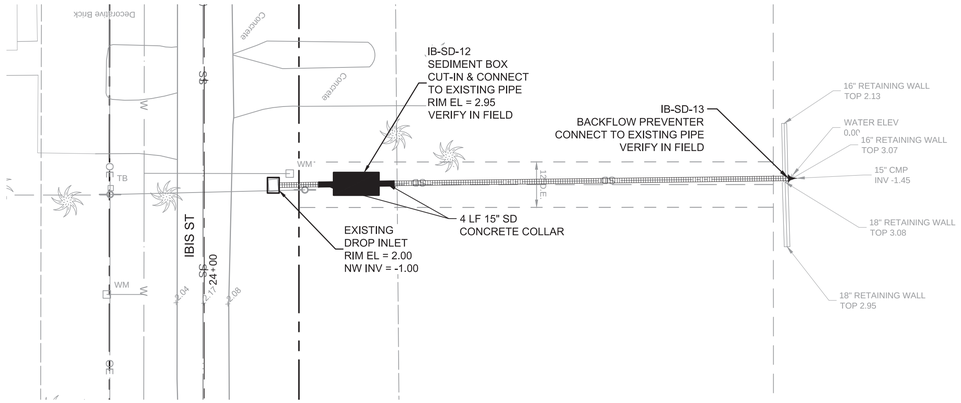
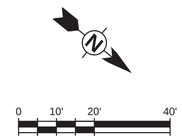
GROUP A





LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

IBIS STREET DRAINAGE OUTFALLS PLAN

Project No.: 200-74765-18005
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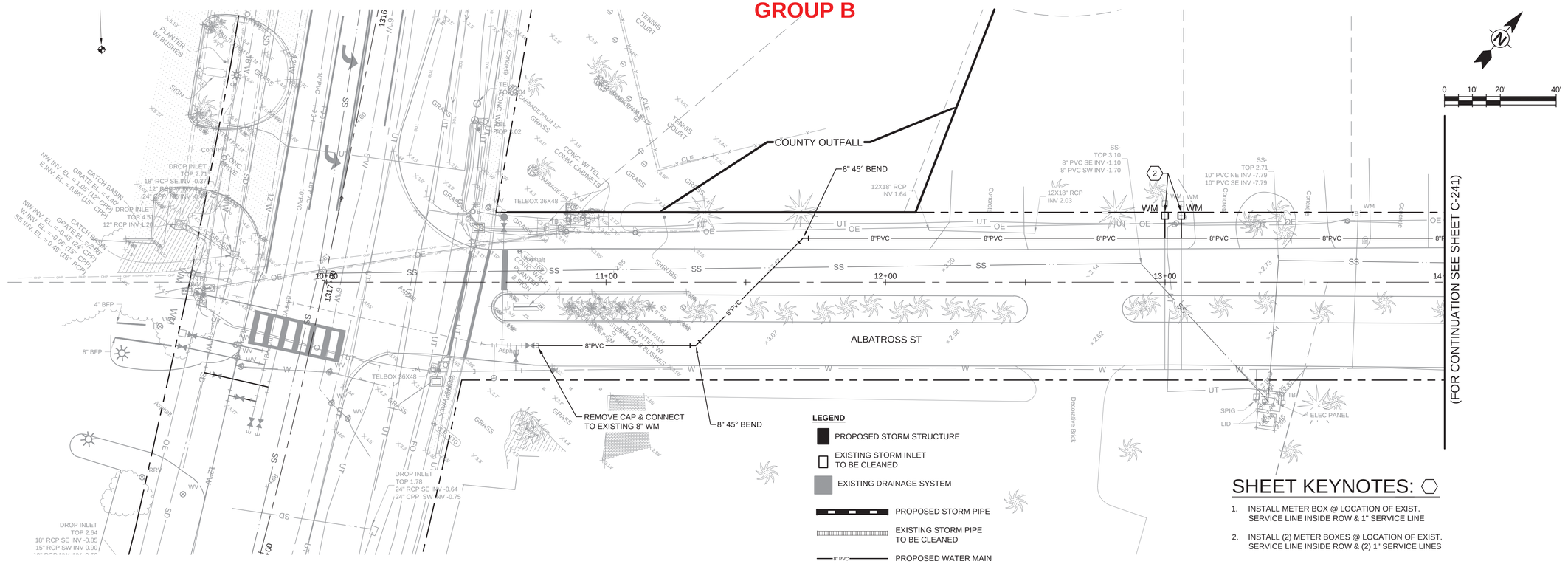
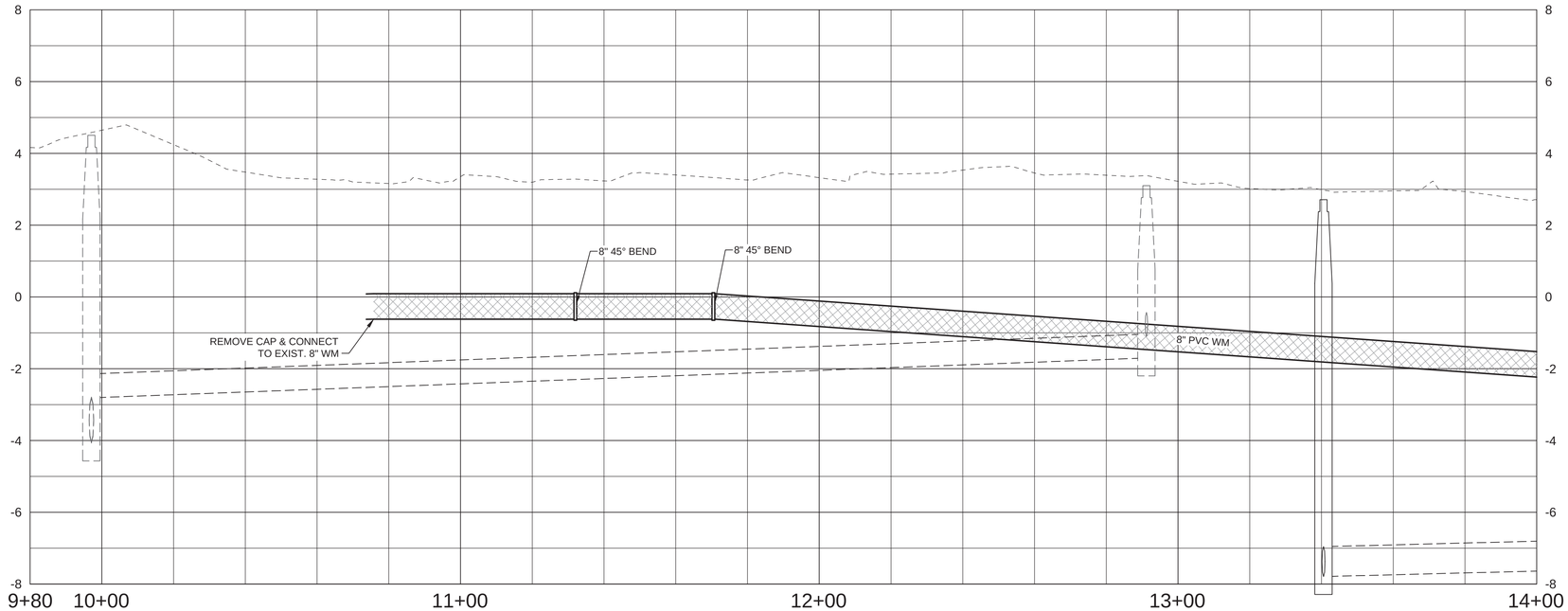
GROUP B





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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET PLAN AND PROFILE

Project No.:	200-74765-18005
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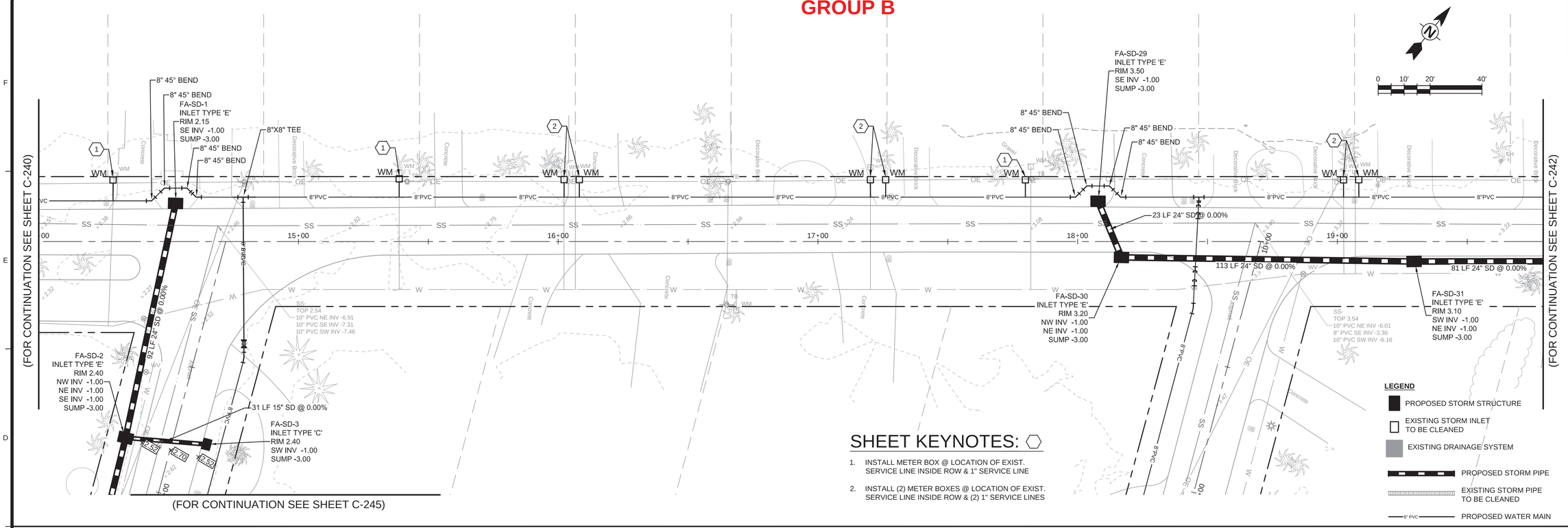
GROUP B

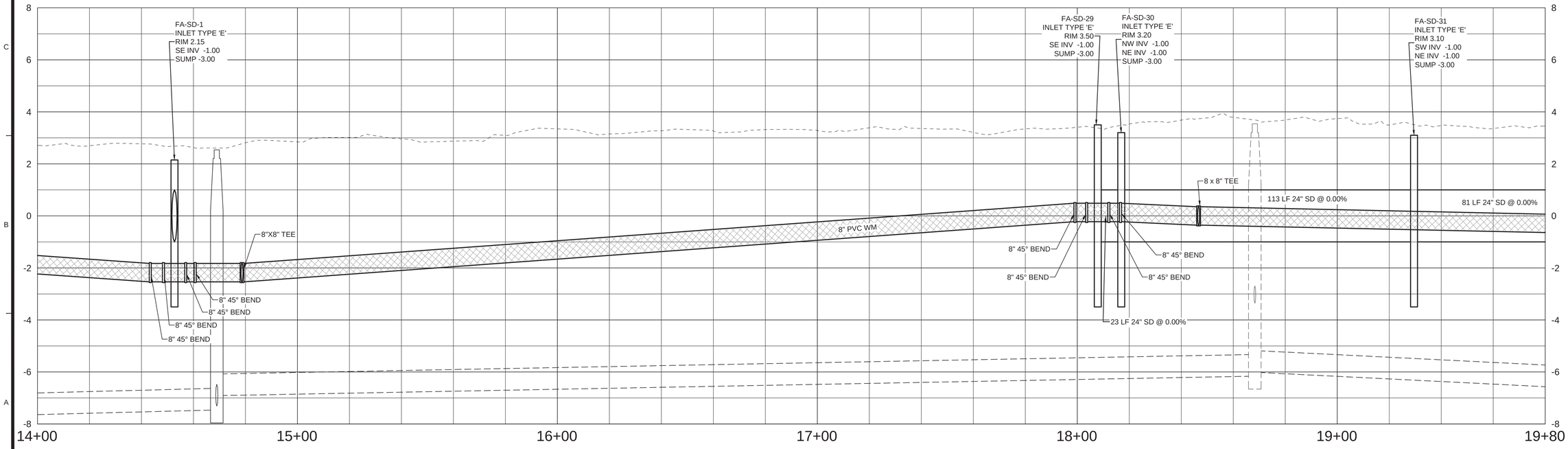


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET
PLAN AND PROFILE

Project No.: 200-74765-18005
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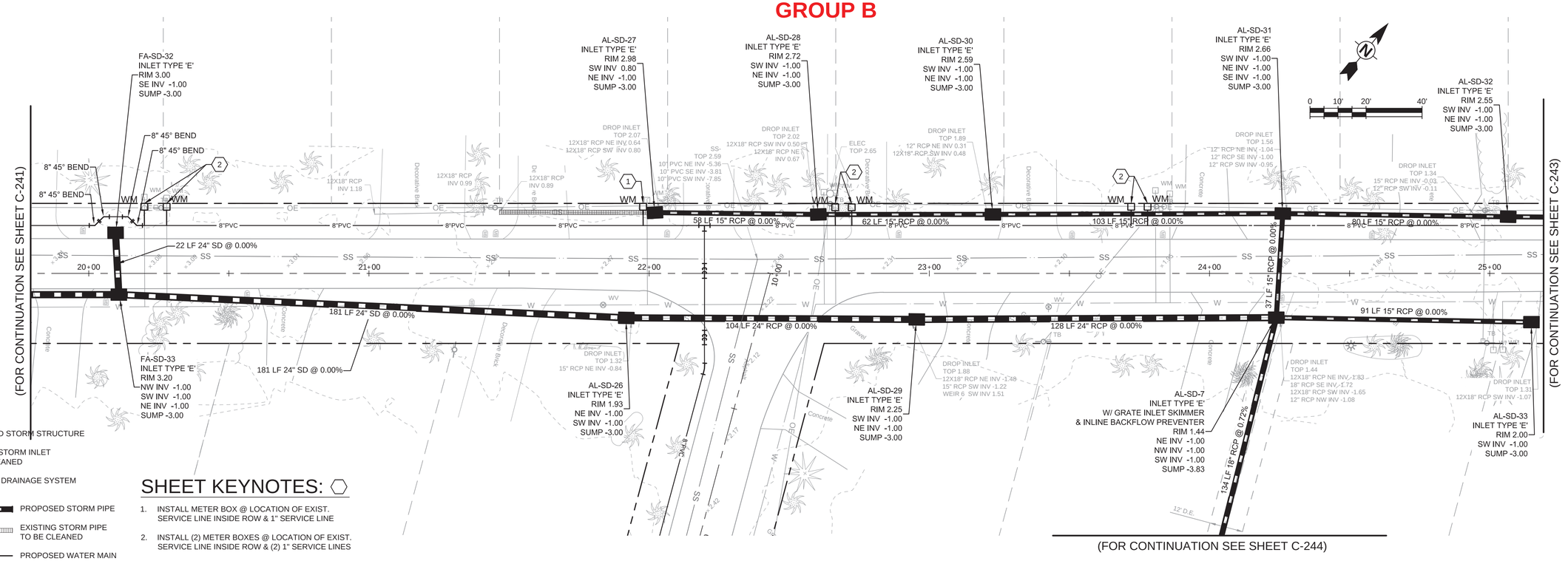
GROUP B

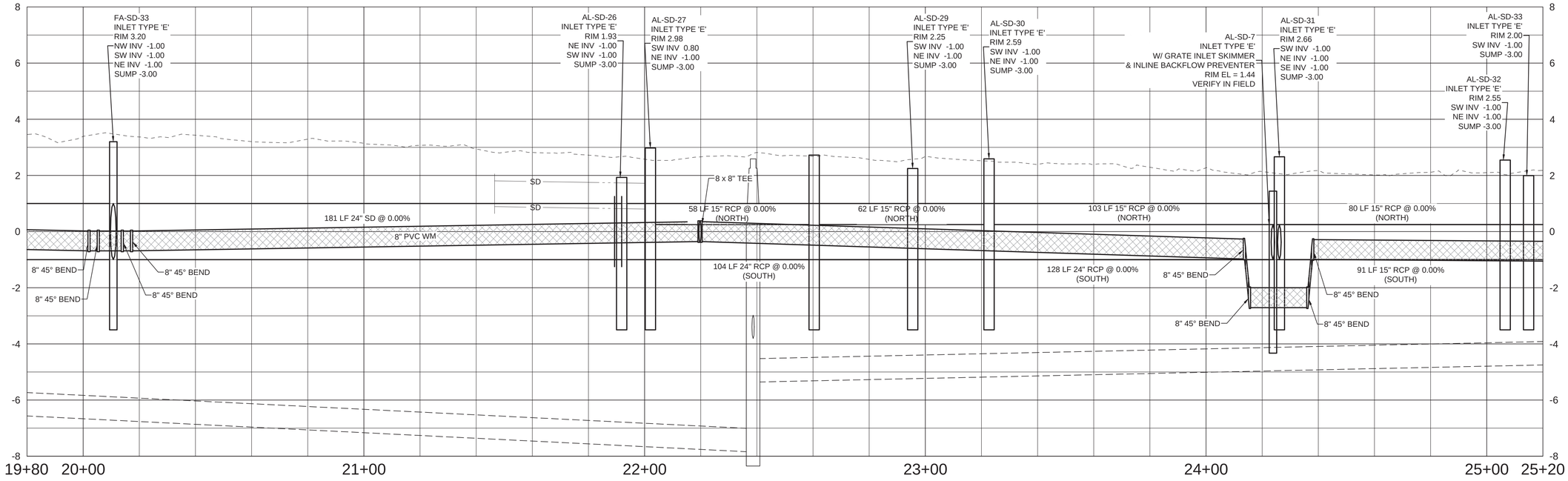


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET PLAN AND PROFILE

Project No.:	200-74765-18005
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Checked By:	

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Bar Measures 1 inch

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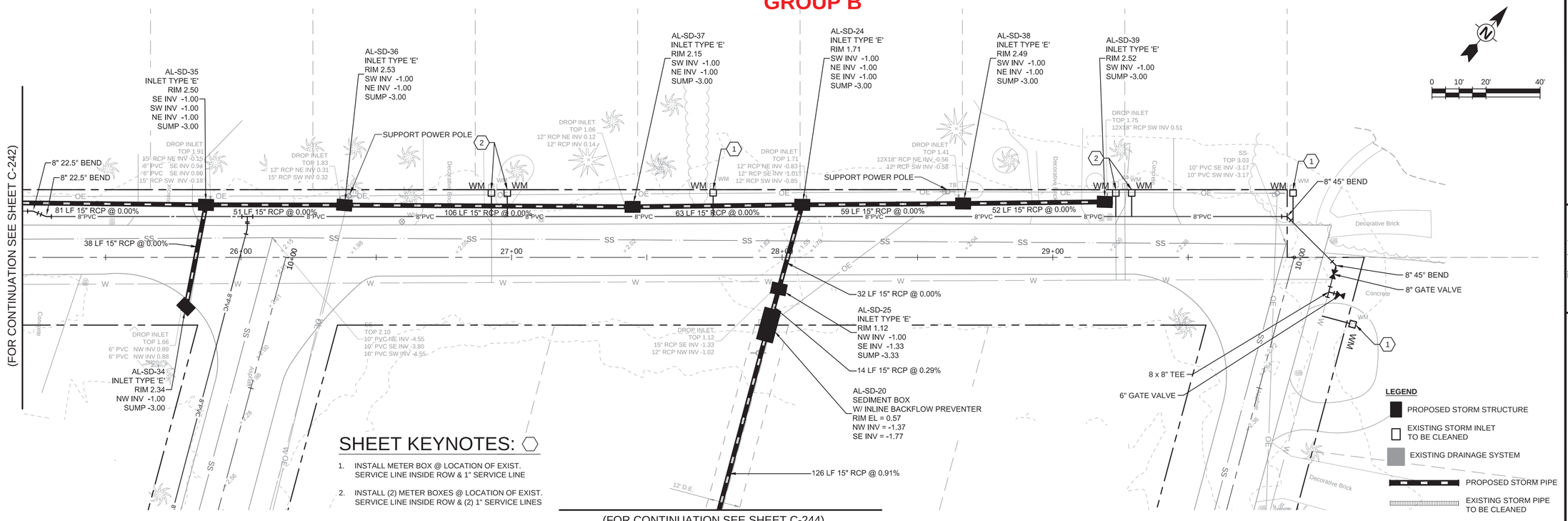
GROUP B

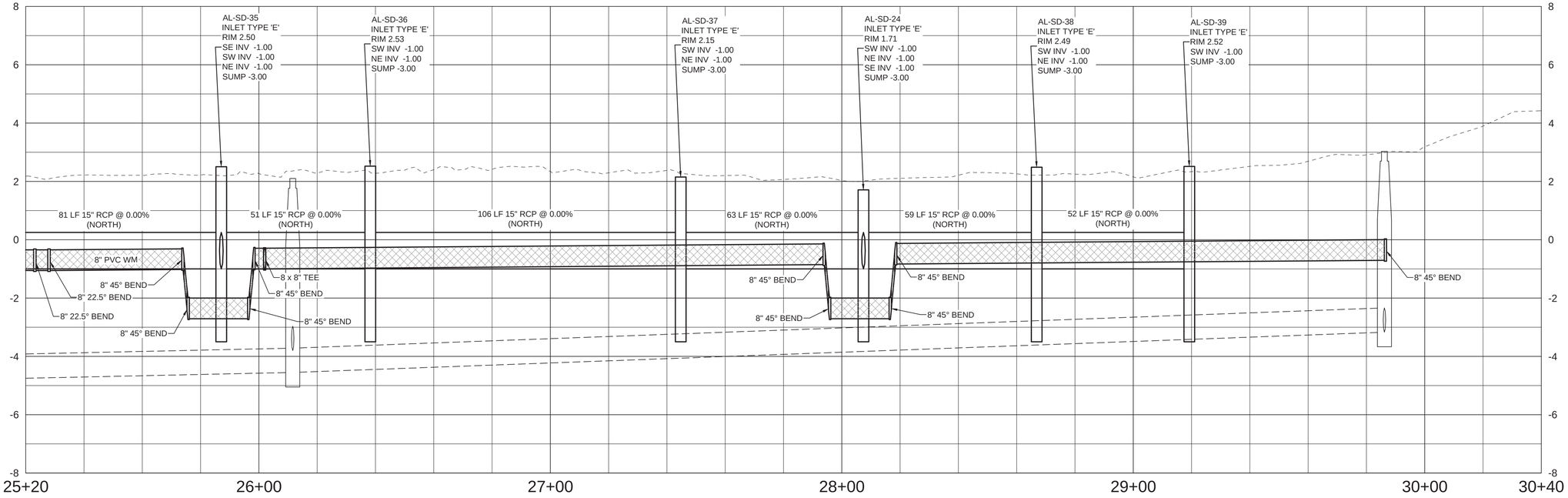


SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET
PLAN AND PROFILE

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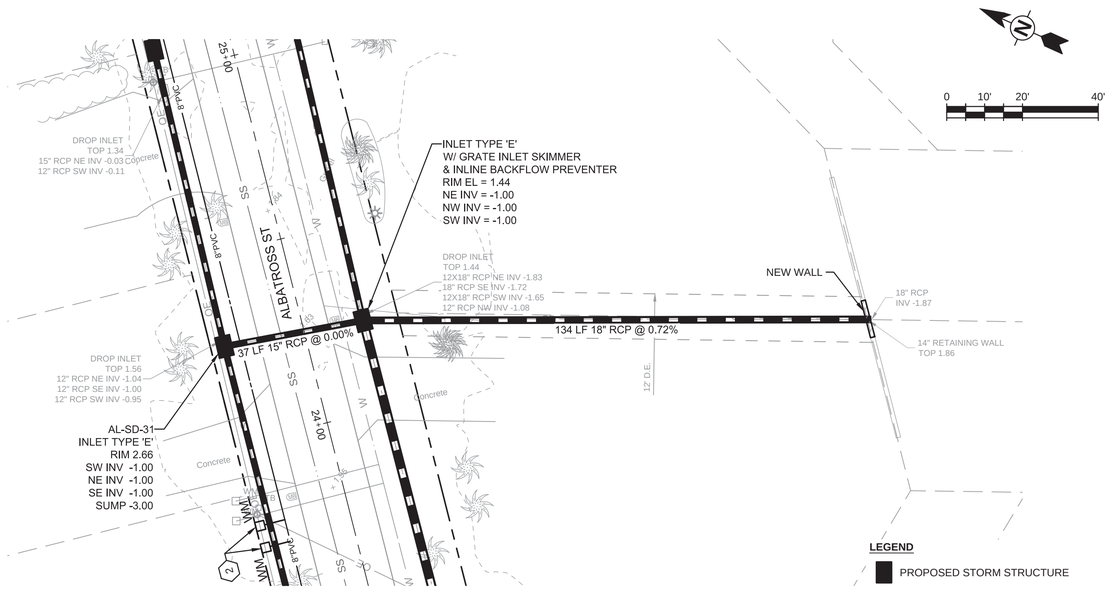
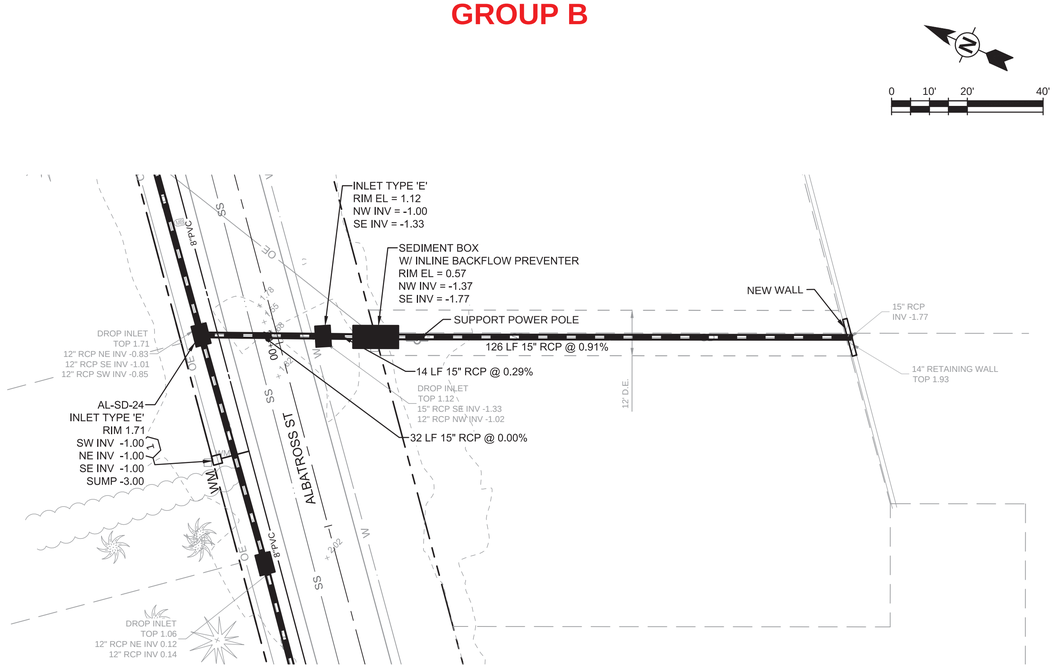
GROUP B



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

GROUP B



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ALBATROSS STREET DRAINAGE OUTFALL PLAN

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GROUP B

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

0 10' 20' 40'

ALBATROSS STREET

FAIRVIEW BLVD.

FA-SD-1
INLET TYPE 'E'
RIM 2.15
SE INV -1.00
SUMP -3.00

FA-SD-2
INLET TYPE 'E'
RIM 2.40
NW INV -1.00
NE INV -1.00
SE INV -1.00
SUMP -3.00

FA-SD-3
INLET TYPE 'C'
RIM 2.40
SW INV -1.00
SUMP -3.00

FA-SD-12
INLET TYPE 'E'
RIM 2.17
SLOT 1.8
NW INV -1.00
NE INV -1.00
SUMP -3.00

FA-SD-13
INLET TYPE 'E'
RIM 2.17
SLOT 1.8
SW INV -1.00
NE INV -1.00
SUMP -3.00

FA-SD-14
DUCKBILL VALVE
AT SEAWALL
SW INV -1.00

FA-SD-25
BAFFLE BOX
RIM 3.51
SW INV -1.00
NE INV -1.00

SUPPORT POWER POLE

NEW WALL

15" RETAINING WALL
TOP 2.02

18" CPP
INV -1.06

94 LF 24" SD @ 0.00%

24 LF 24" SD @ 0.00%

27 LF 24" SD @ 0.00%

92 LF 24" SD @ 0.00%

200 LF 24" SD @ 0.00%

31 LF 15" SD @ 0.00%

8" 11.25° BEND

8" GATE VALVE

8"X8" TEE

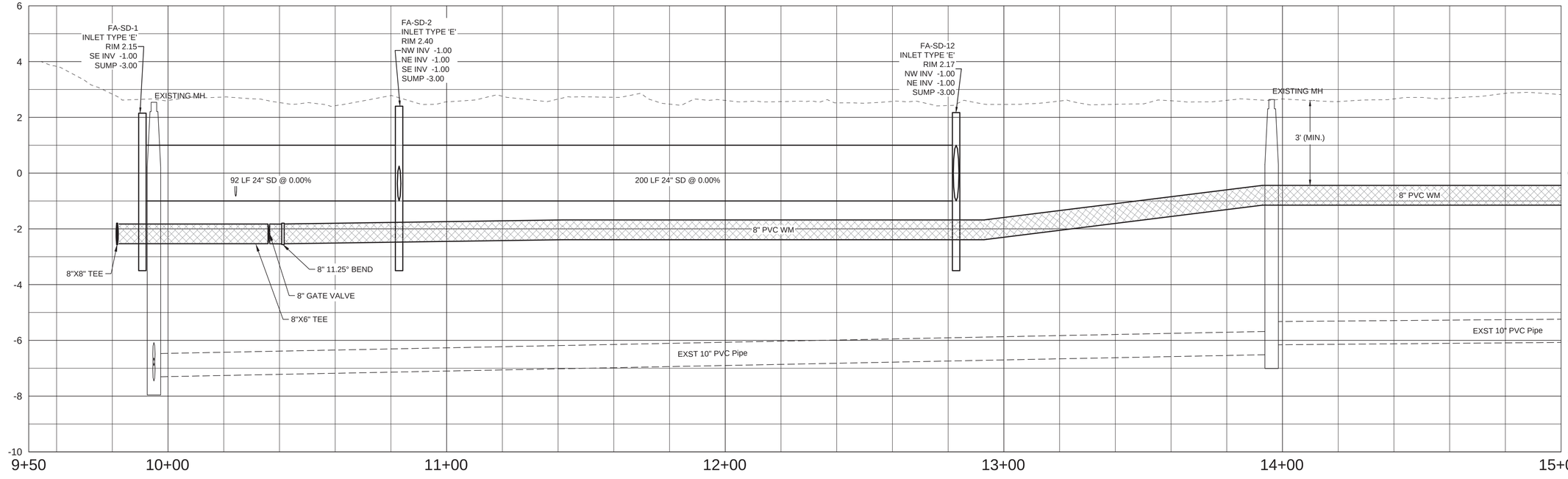
DROP INLET
TOP 1.90
18" CPP NE INV -0.42
18" RCP SW INV -0.83

DROP INLET
TOP 1.74
18" RCP NE INV -0.68

SS
TOP 2.54
10" PVC NE INV -6.91
10" PVC SE INV -7.31
10" PVC SW INV -7.46

SS
TOP 2.64
10" PVC SE INV -6.16
10" PVC NW INV -6.51

(FOR CONTINUATION SEE SHEET C-246)



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Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION
TAV	8/15/22	ADDENDUM #1

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-245

Copyright: Tetra Tech

Bar Measures 1 inch

8/11/2022 3:16:24 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-500 PLAN-PROFILE.DWG - MONTALVO, ANGEL

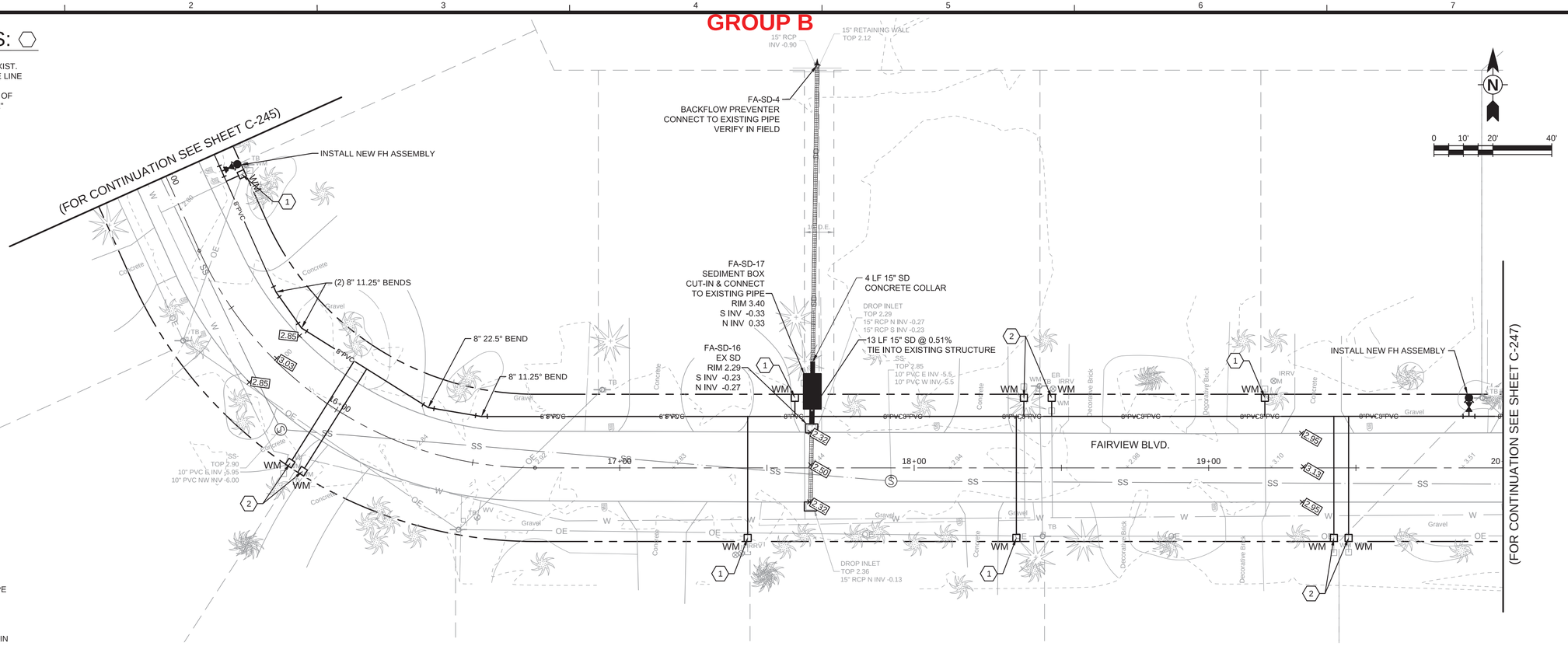
SHEET KEYNOTES:

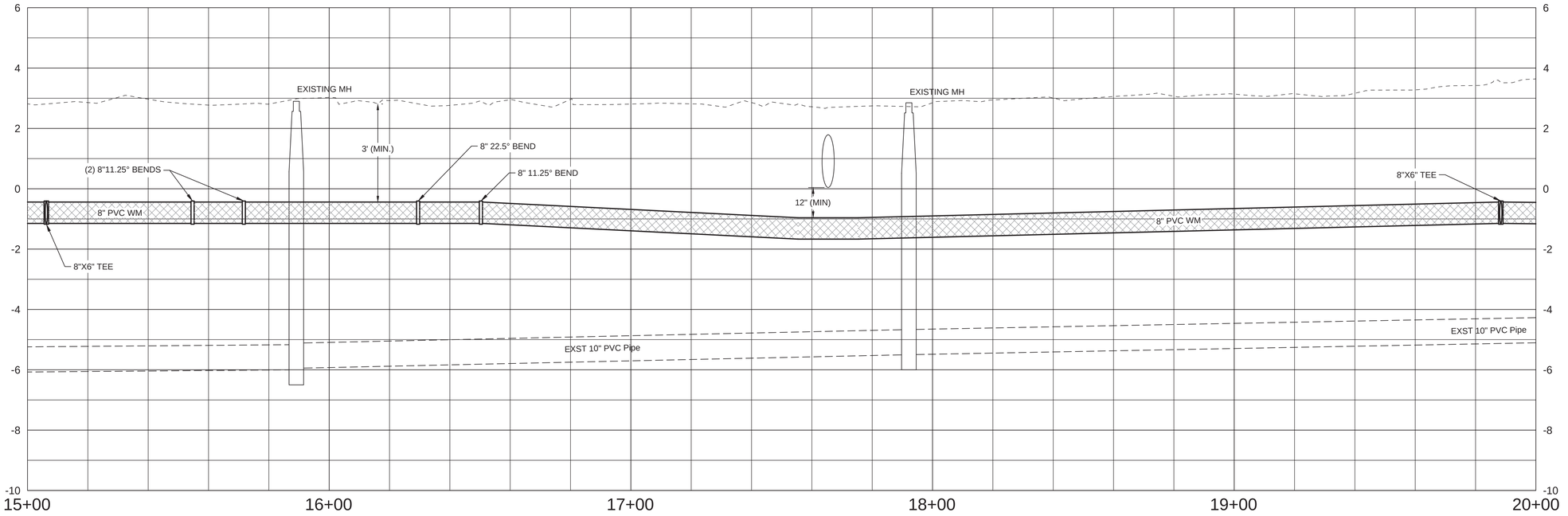
1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

GROUP B





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DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-246

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Bar Measures 1 inch

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GROUP B

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
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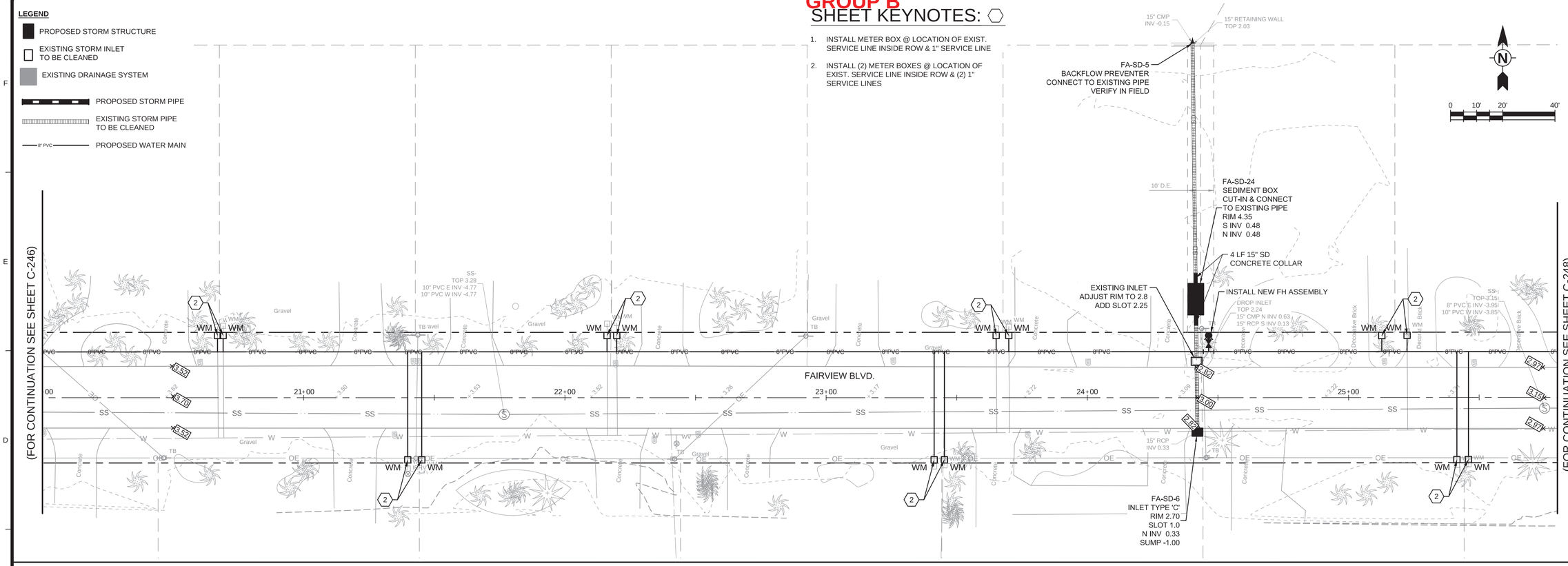

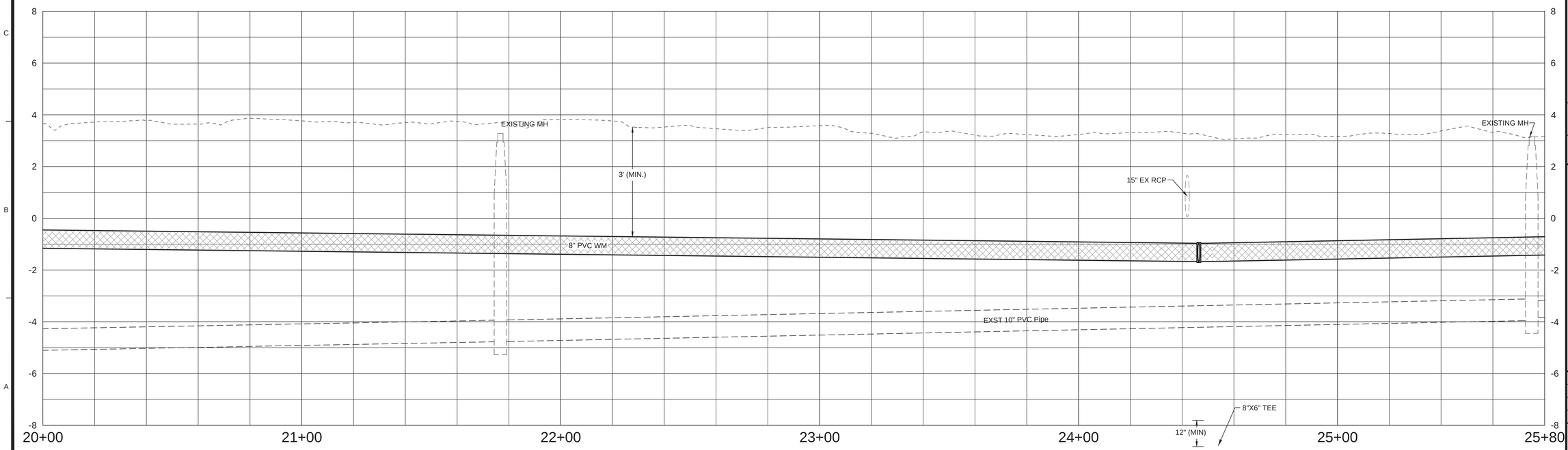

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BLVD PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-247

Copyright: Tetra Tech

Bar Measures 1 inch

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GROUP B

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

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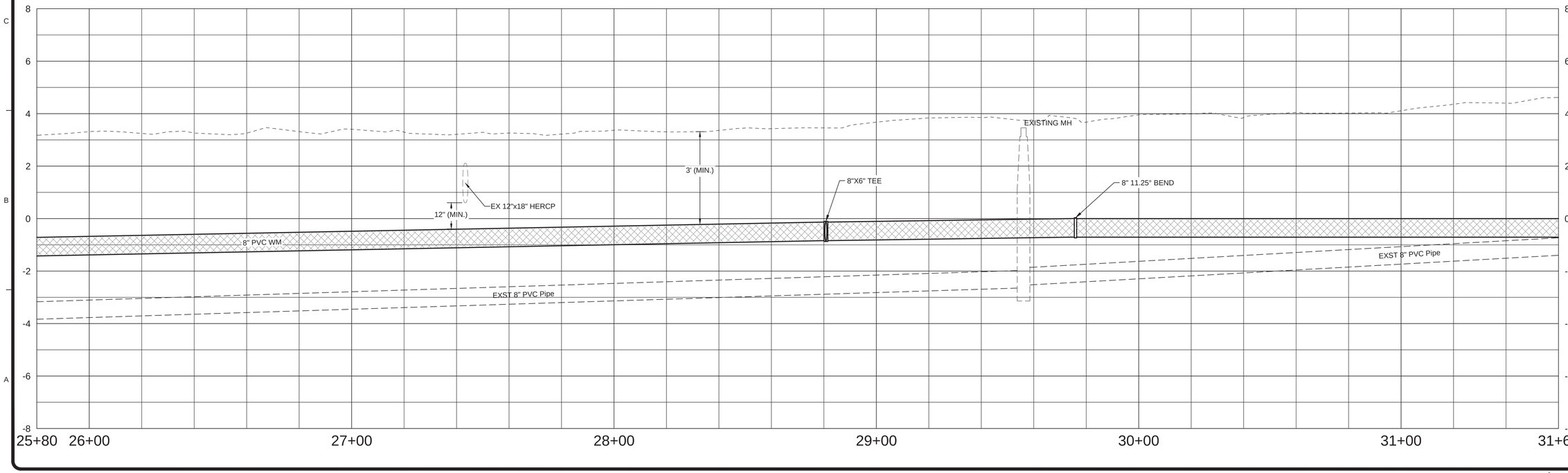
0 10' 20' 40'

15" RETAINING WALL TOP 2.80
12X18" CMP INV 0.14
FA-SD-7 BACKFLOW PREVENTER CONNECT TO EXISTING PIPE VERIFY IN FIELD
12' D.E.
10' D.E.
FA-SD-22 SEDIMENT BOX CUT-IN & CONNECT TO EXISTING PIPE RIM 3.50 S INV 0.84 N INV 0.84
4 LF 12"x18" SD CONCRETE COLLAR
DROP INLET TOP 2.49 12X18" CMP N INV 0.94 12X18" RCP S INV 0.60
INSTALL NEW FH ASSEMBLY
SS- TOP 3.46 8" PVC NE INV -2.54 8" PVC W INV -2.64
15 LF 12"x18" SD TIE INTO EXIST STRUCTURE
DROP INLET TOP 2.45 12X18" RCP N INV 1.10
FAIRVIEW BLVD.
(FOR CONTINUATION SEE SHEET C-247)
(FOR CONTINUATION SEE SHEET C-249)
26+00 27+00 28+00 29+00 30+00 31+00



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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-248

Copyright: Tetra Tech

Bar Measures 1 inch

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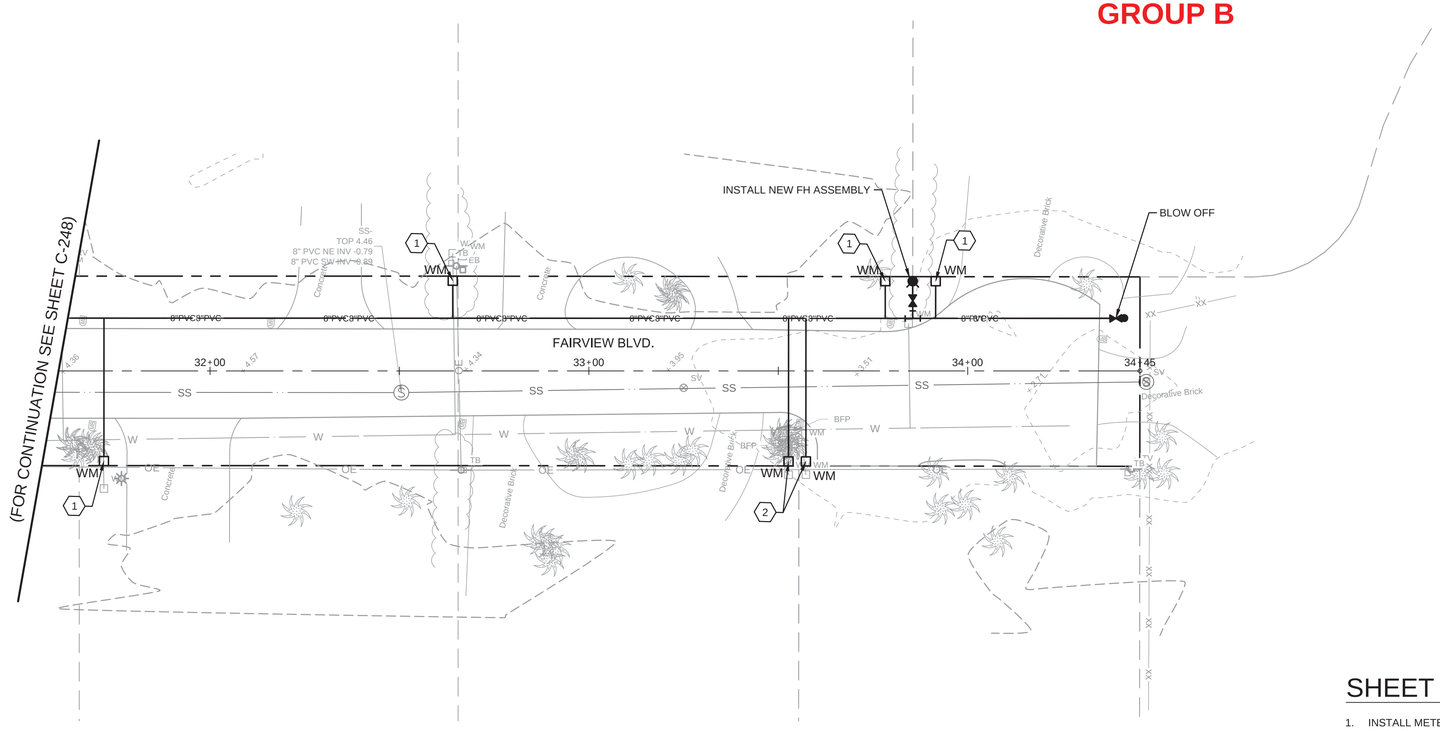
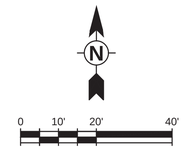
GROUP B





SHEET KEYNOTES:

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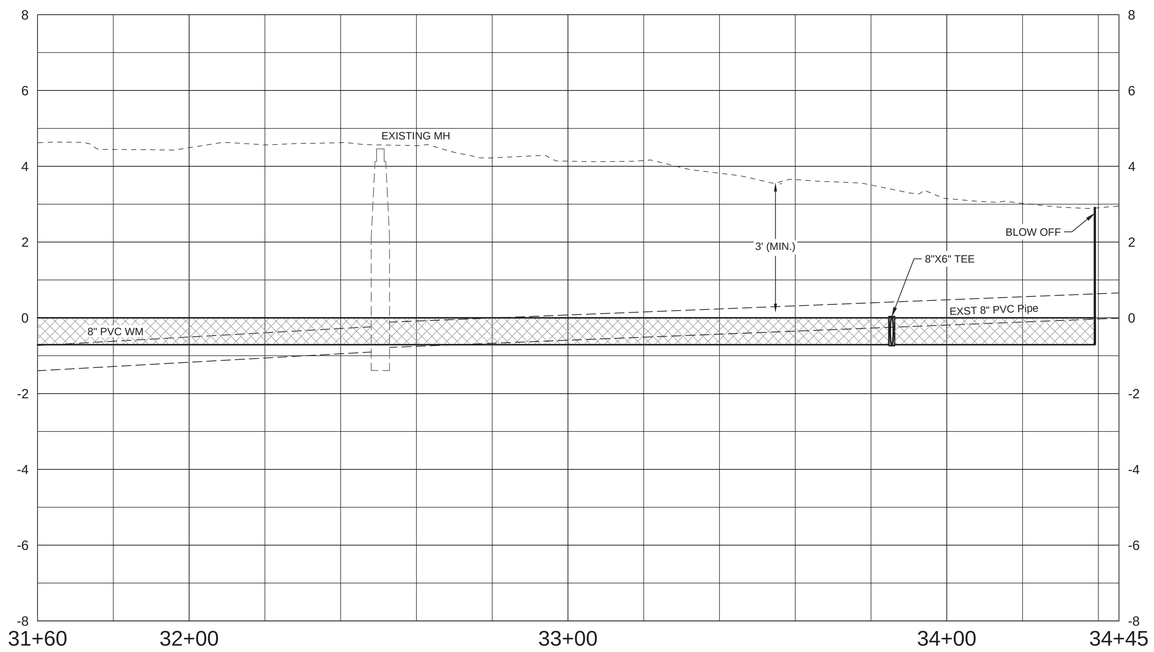
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

FAIRVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-249

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Bar Measures 1 inch

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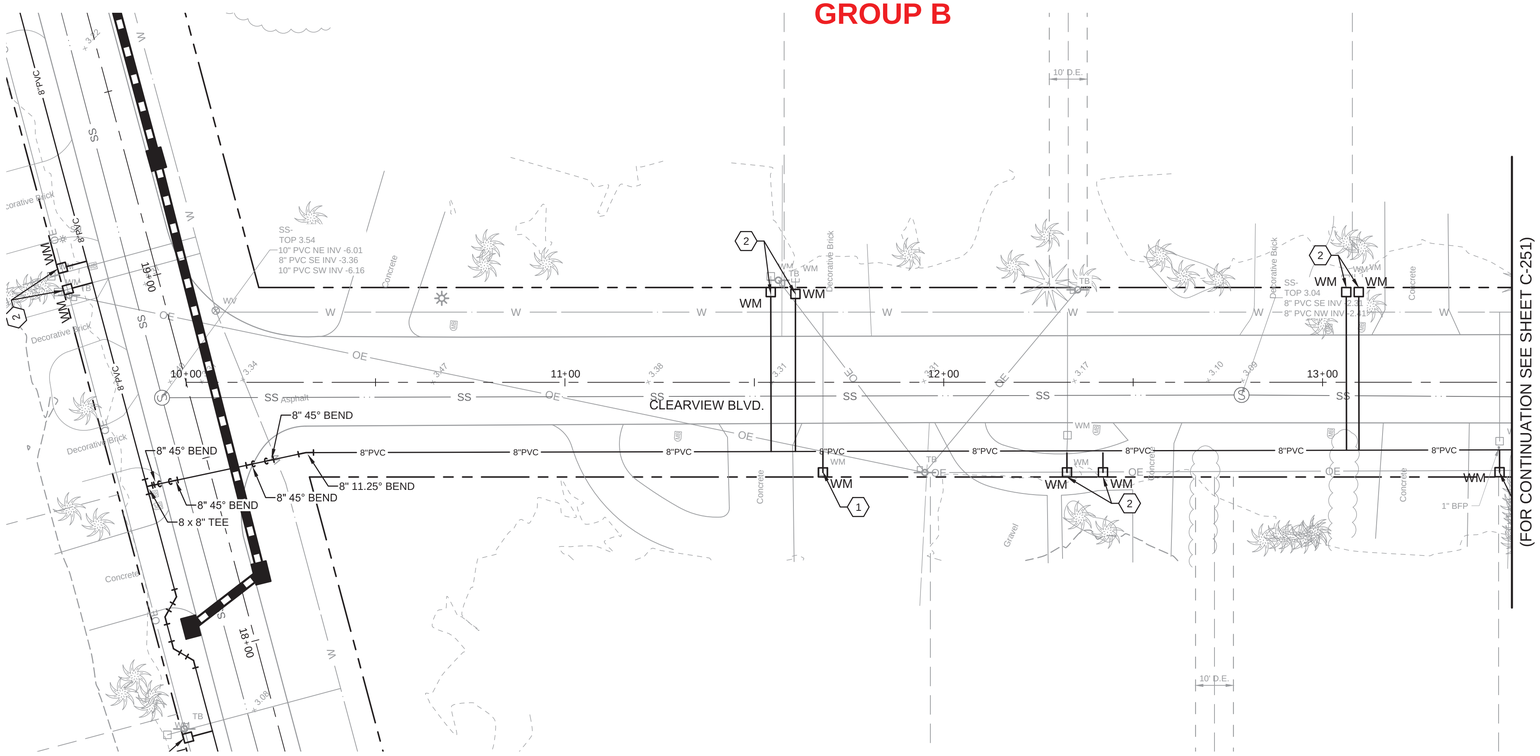
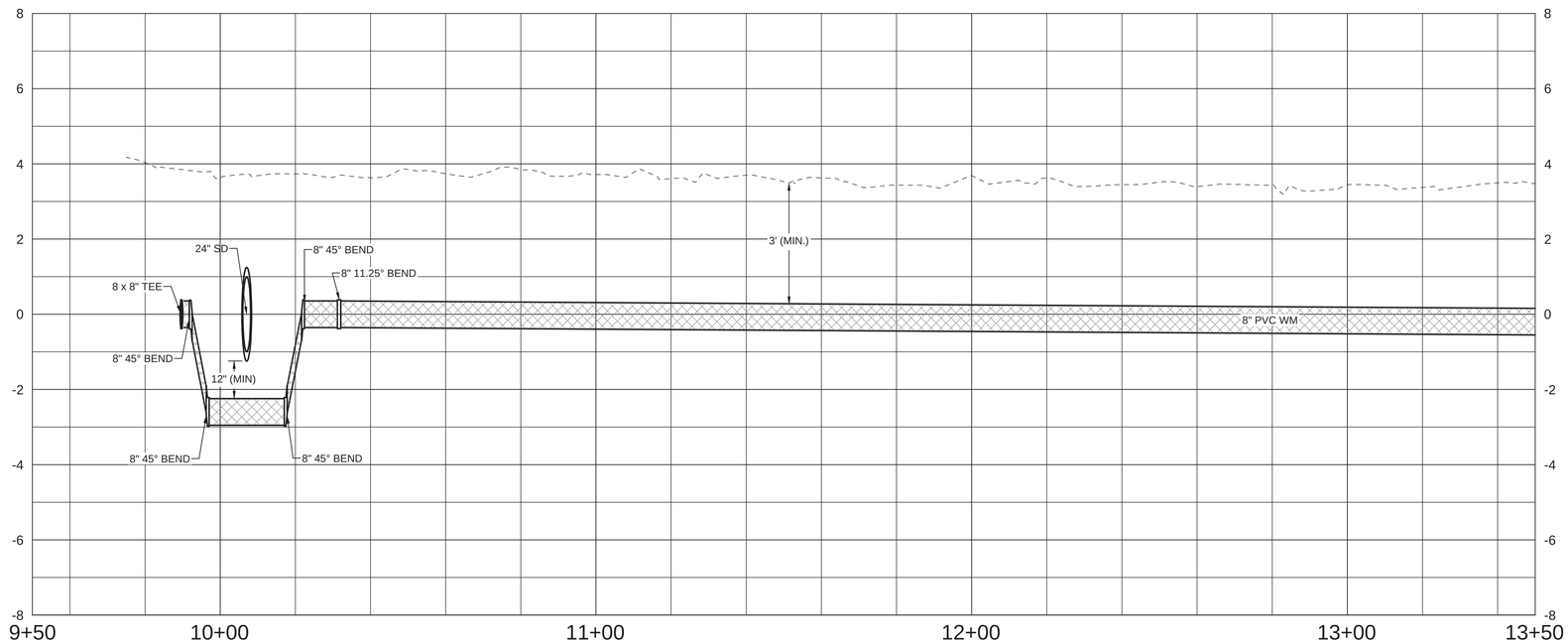
GROUP B

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES





LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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Orlando, Florida 32801
Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

CLEARVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
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Checked By:

C-250

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Bar Measures 1 inch

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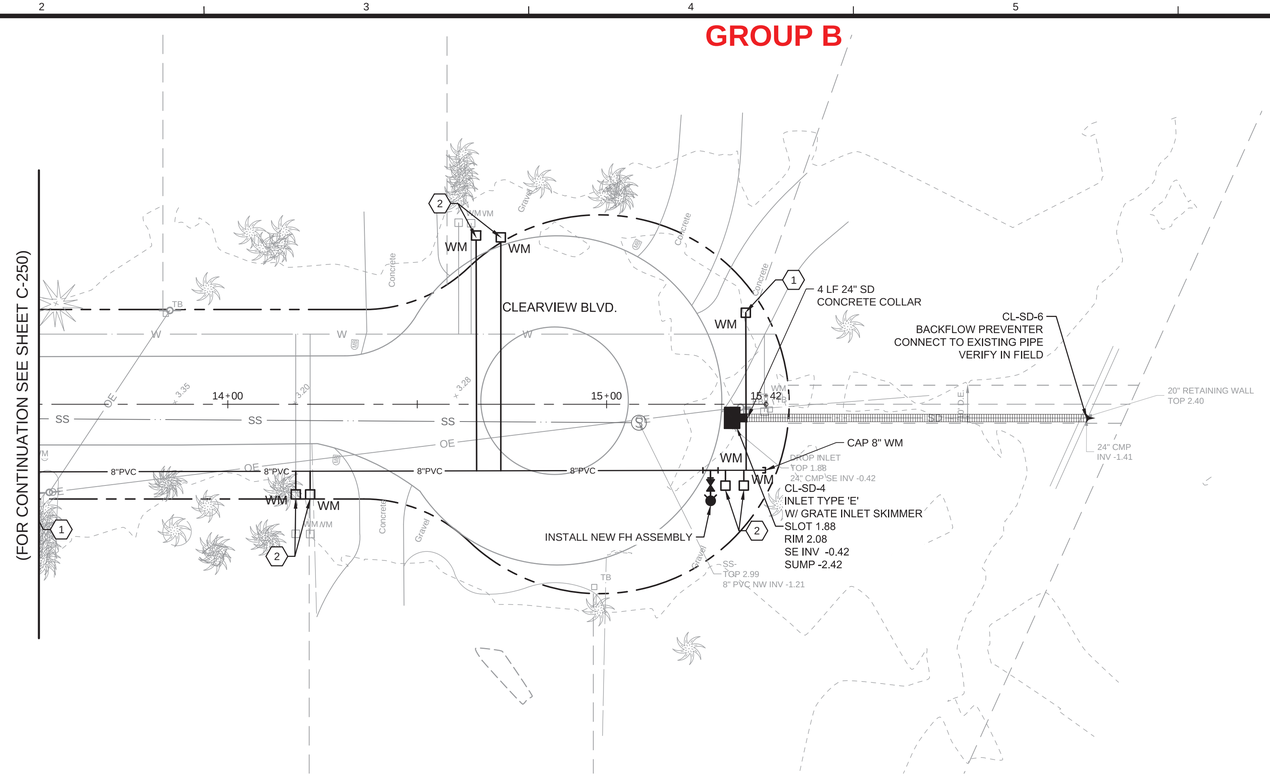
GROUP B



SHEET KEYNOTES:

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LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
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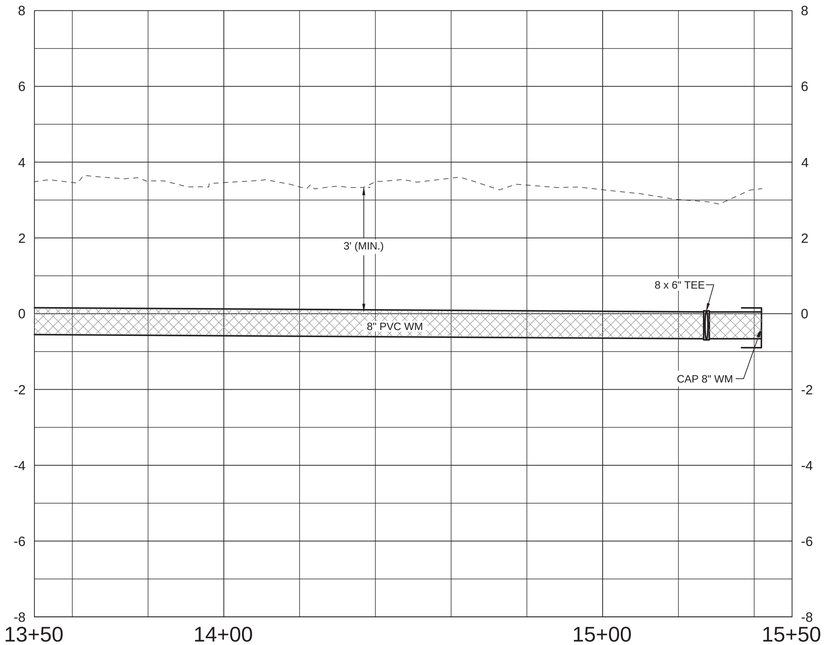

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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

CLEARVIEW BLVD PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-251

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Bar Measures 1 inch

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SHEET KEYNOTES:

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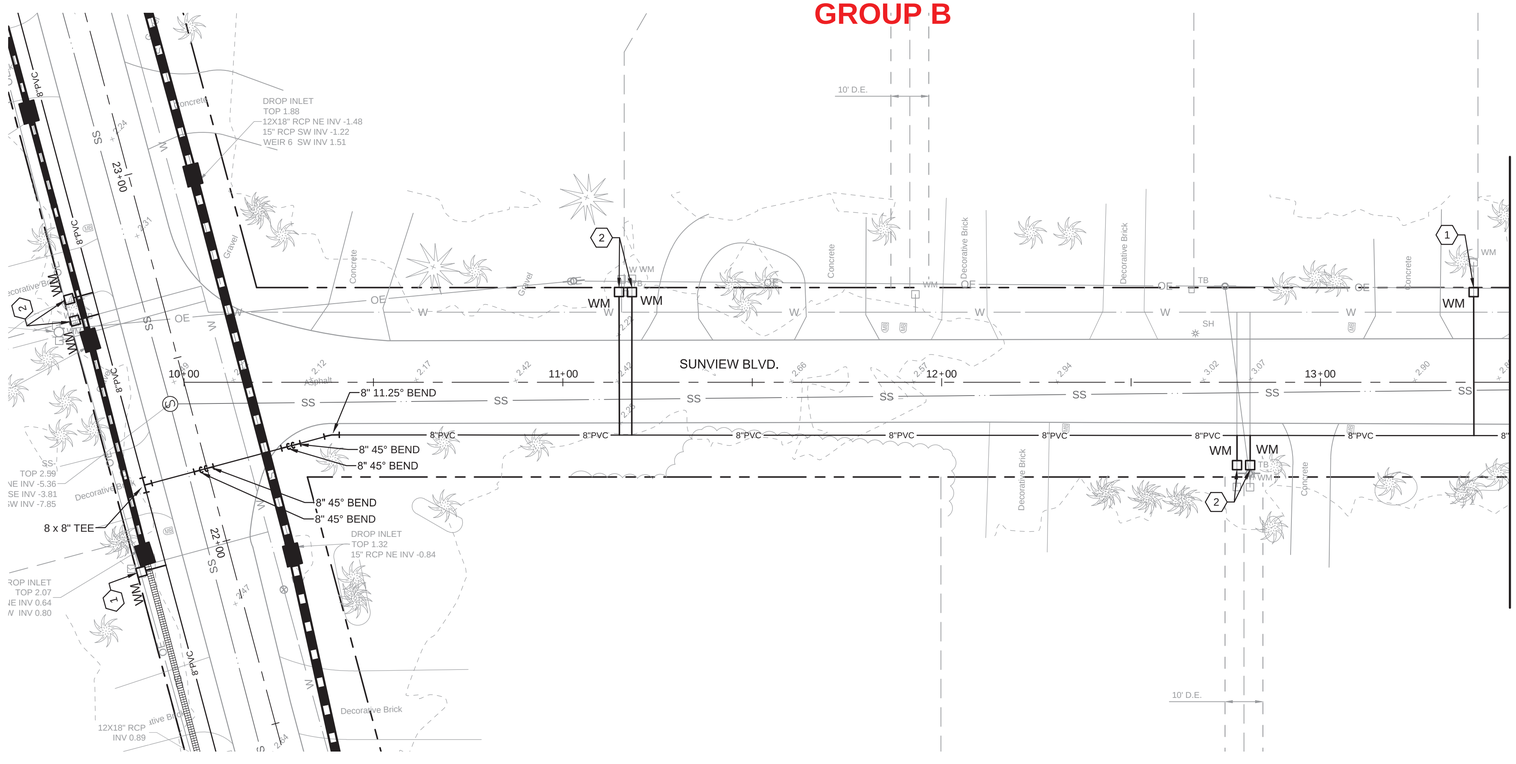
GROUP B



0 10' 20' 40'

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
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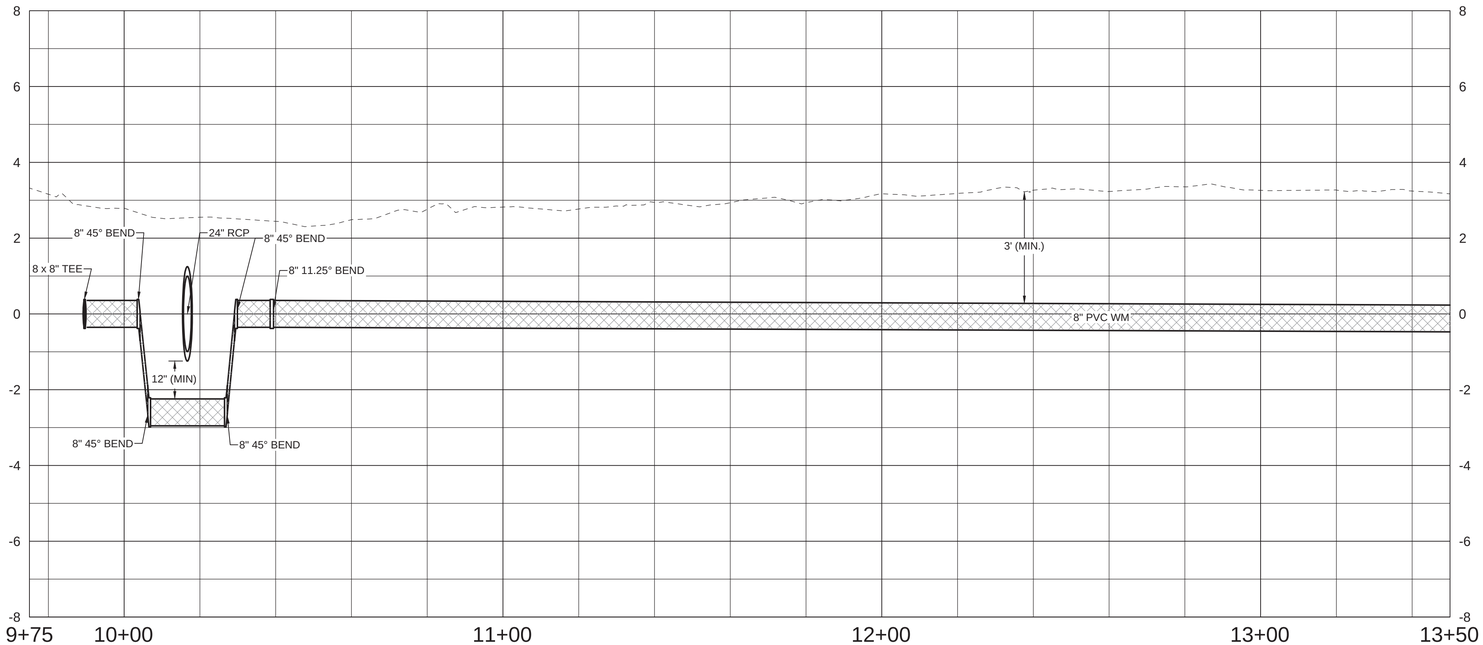
GROUP B



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DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SUNVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-252

Copyright: Tetra Tech

Bar Measures 1 inch

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GROUP B

(FOR CONTINUATION SEE SHEET C-252)

SUNVIEW BLVD

SU-SD-8
SEDIMENT BOX
CUT-IN & CONNECT
TO EXISTING PIPE
RIM EL = 4.10
VERIFY IN FIELD

SU-SD-7
SEDIMENT BOX
CUT-IN & CONNECT
TO EXISTING PIPE
RIM EL = 3.95
VERIFY IN FIELD

EXISTING
DROP INLET
INSTALL GRATE INLET SKIMMER
RIM EL = 2.28

INSTALL NEW FH ASSEMBLY

DROP INLET
TOP 2.45
15" RCP NE INV 0.32

DROP INLET
TOP 2.08
15" RCP SW INV -0.03

DROP INLET
TOP 2.28
15" RCP SE INV 0.11

SS-
TOP 2.97
8" PVC SE INV -2.83
10" PVC NW INV -2.93

SS-
TOP 3.19
8" PVC NW INV -2.01

8" CAP

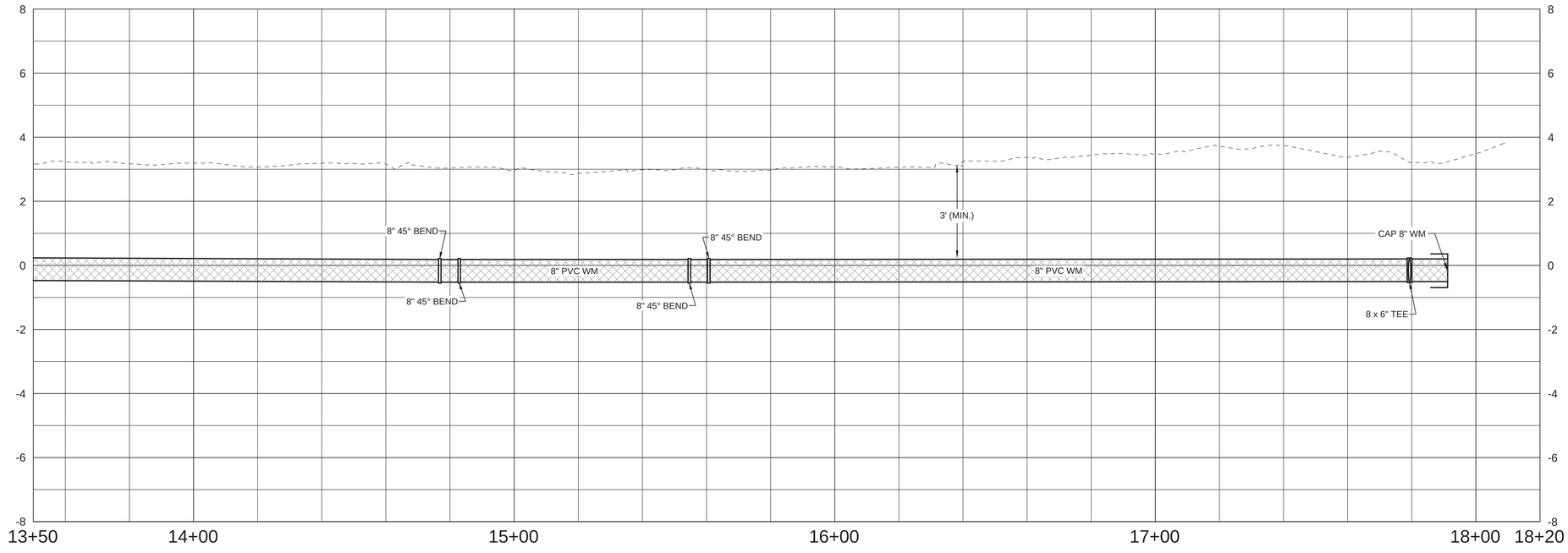
14" RETAINING WALL
TOP 2.13

15" RCP
INV -0.96

10' D.E.

12' D.E.

0 10' 20' 40'



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SUNVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-253

Copyright: Tetra Tech

Bar Measures 1 inch

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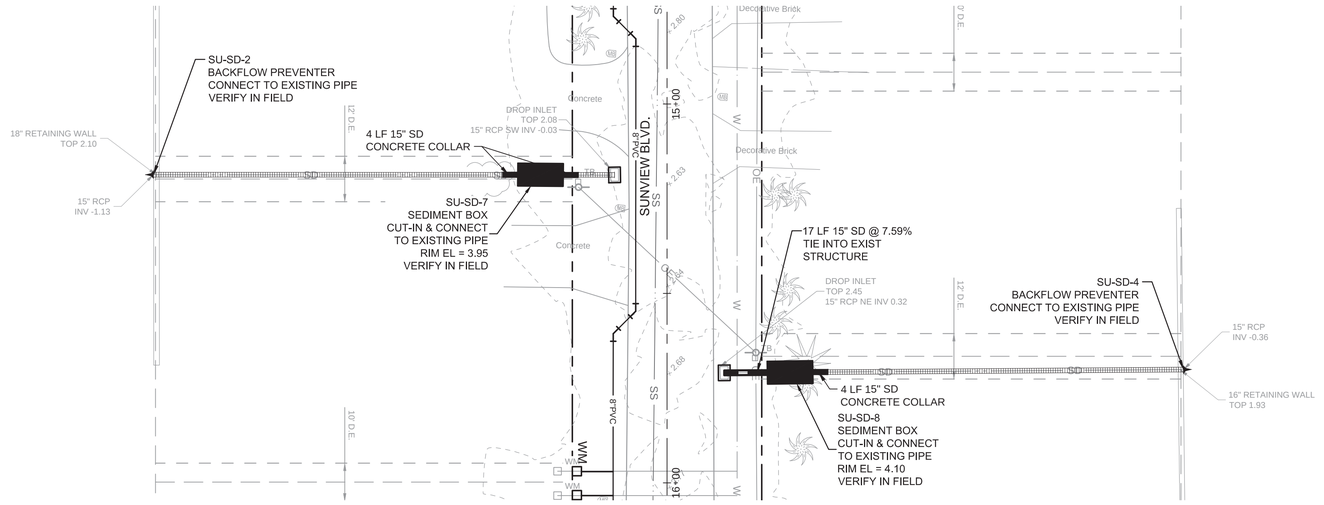
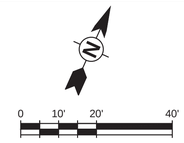
GROUP B





LEGEND

- PROPOSED STORM STRUCTURE
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- PROPOSED STORM PIPE
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Timothy A. Vanderwalker, P.E.
P.E. No. 74415, FL
201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

SUNVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-254

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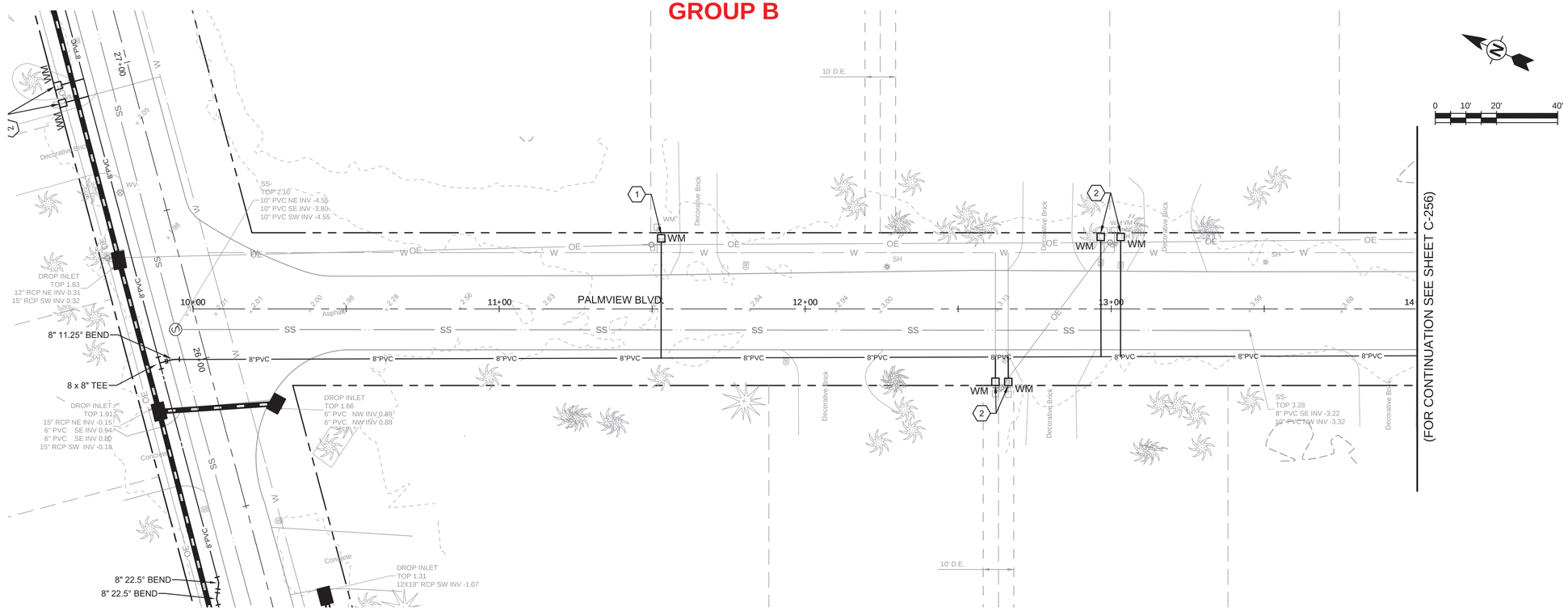
Bar Measures 1 inch

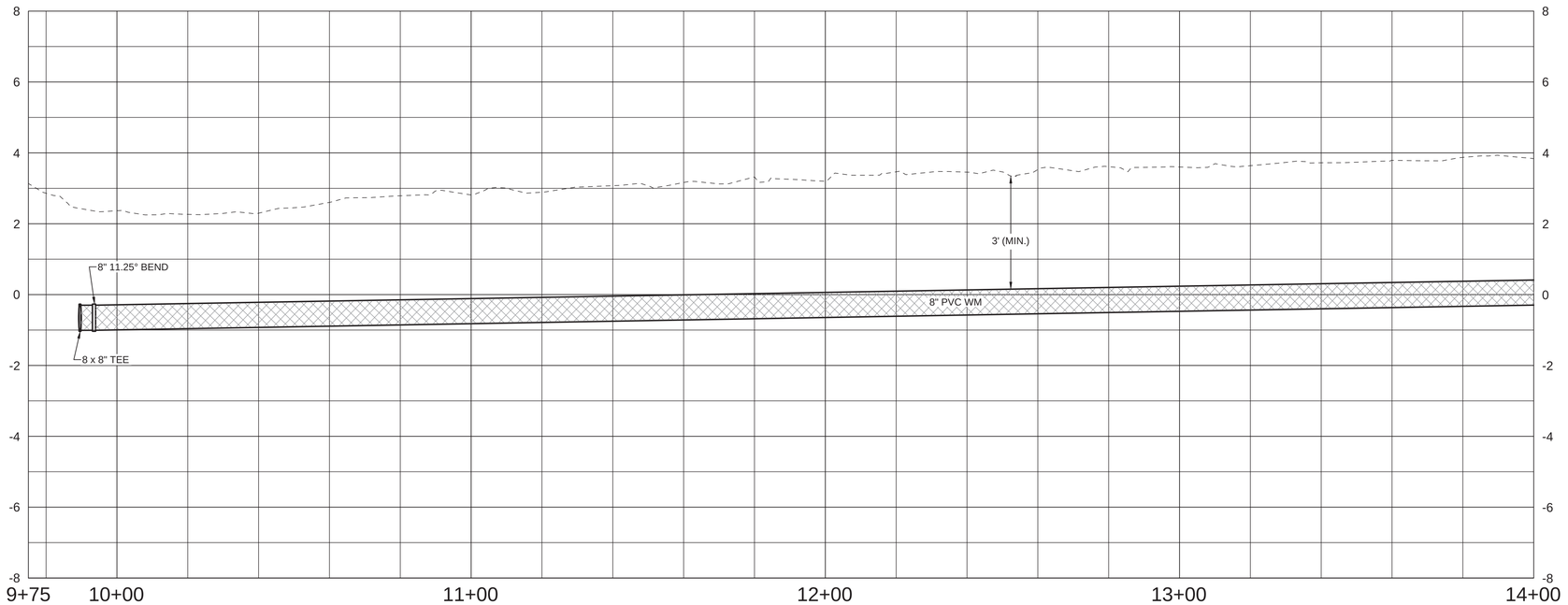
8/11/2022 3:26:59 PM - P:\JER\74765\200-74765-18005\CAD\SHEETFILES\C-500 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP B

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES





LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

TETRA TECH
www.tetratech.com
10600 CHEVROLET WAY, SUITE 300
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Timothy A. Vanderwalker, P.E.
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Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

PALMVIEW BLVD
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-255

Copyright: Tetra Tech

Bar Measures 1 inch

8/7/2022 5:23:08 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-500 PLAN-PROFILE.DWG - MONTALVO, ANGEL

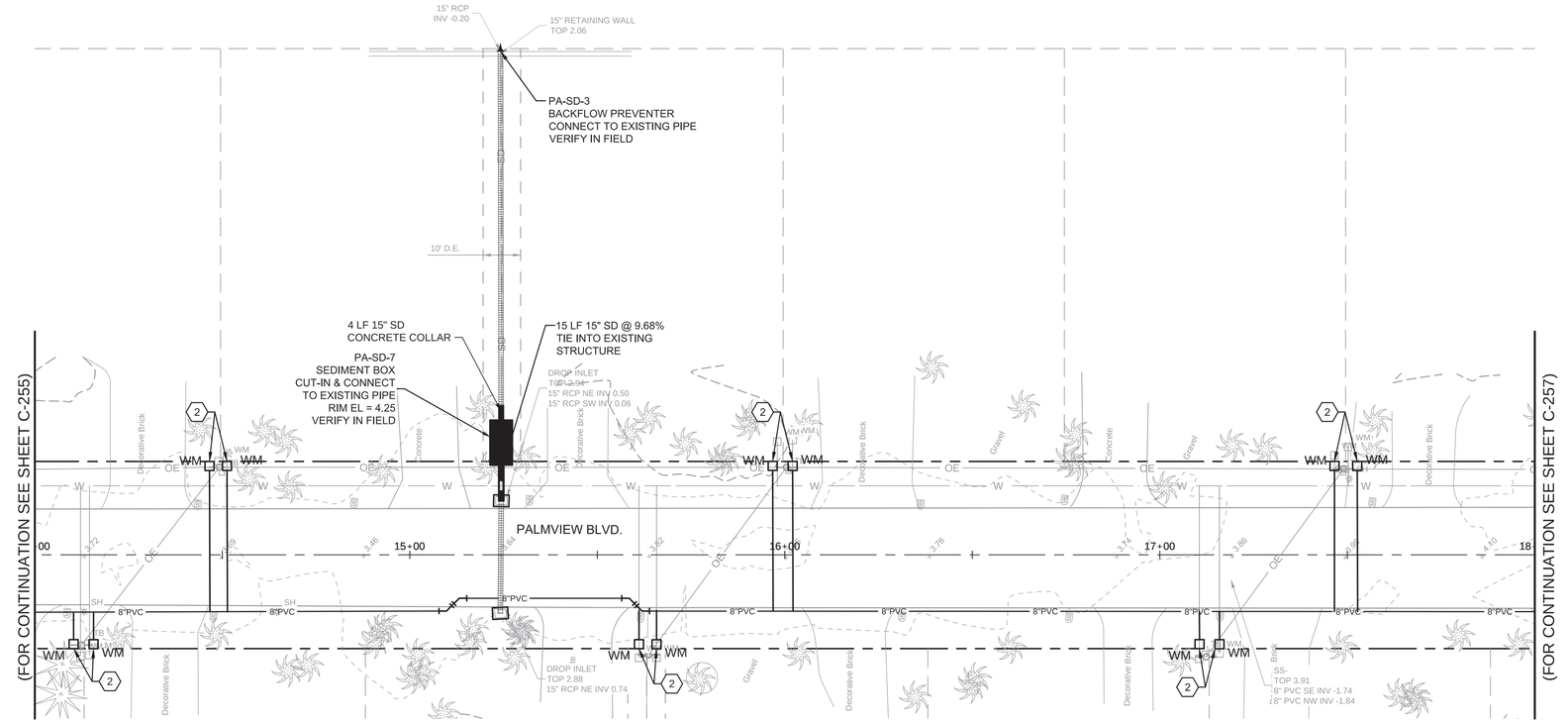
GROUP B

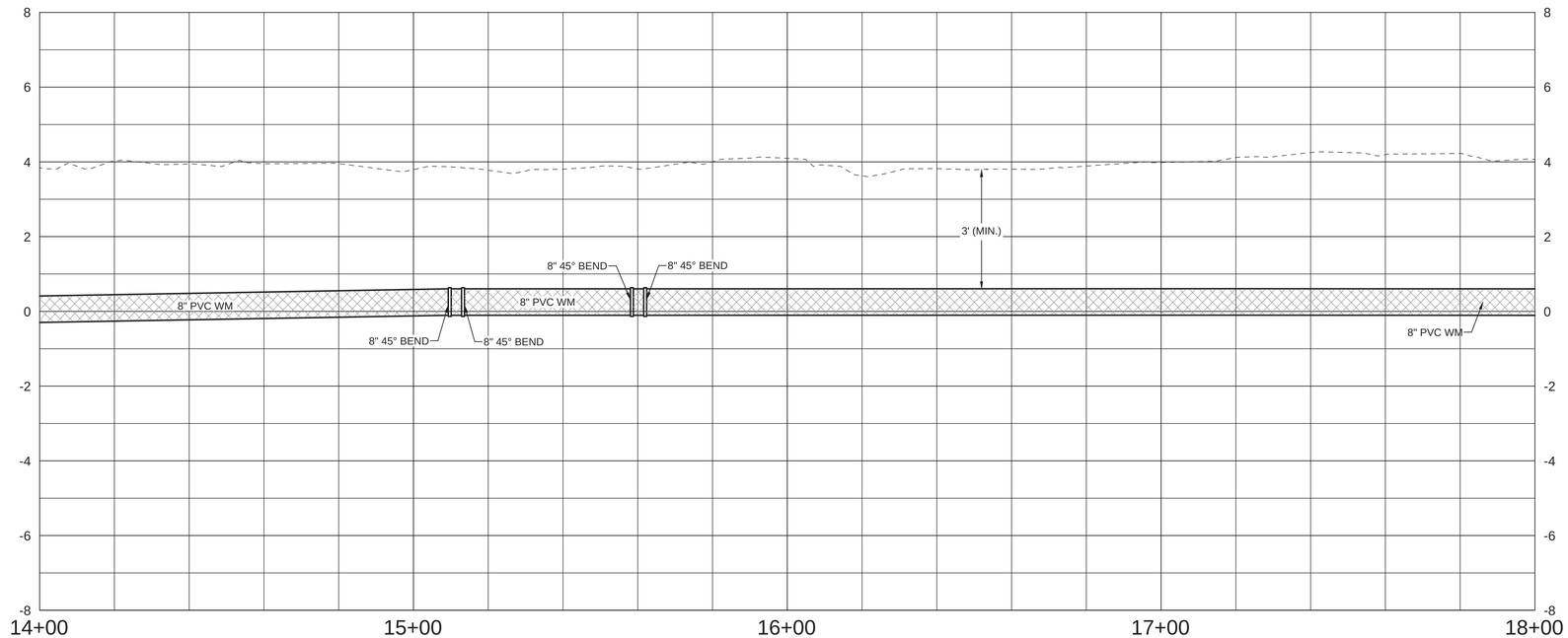
SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN





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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

PALMVIEW BLVD PLAN/PROFILE AND DRAINAGE OUTFALL PLAN

Project No.:	200-74765-18005
Designed By:	
Drawn By:	
Checked By:	

C-256

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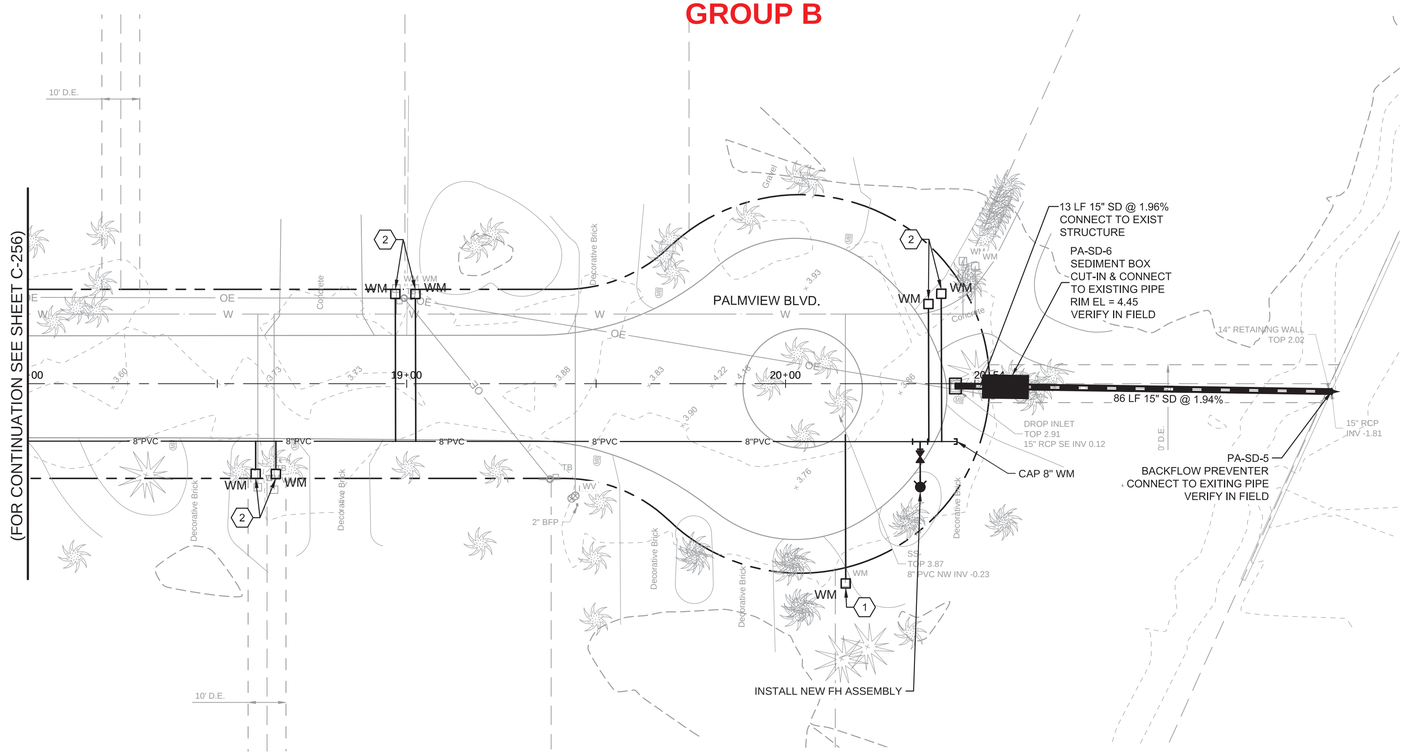
Bar Measures 1 inch

8/7/2022 5:24:32 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-500 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP B

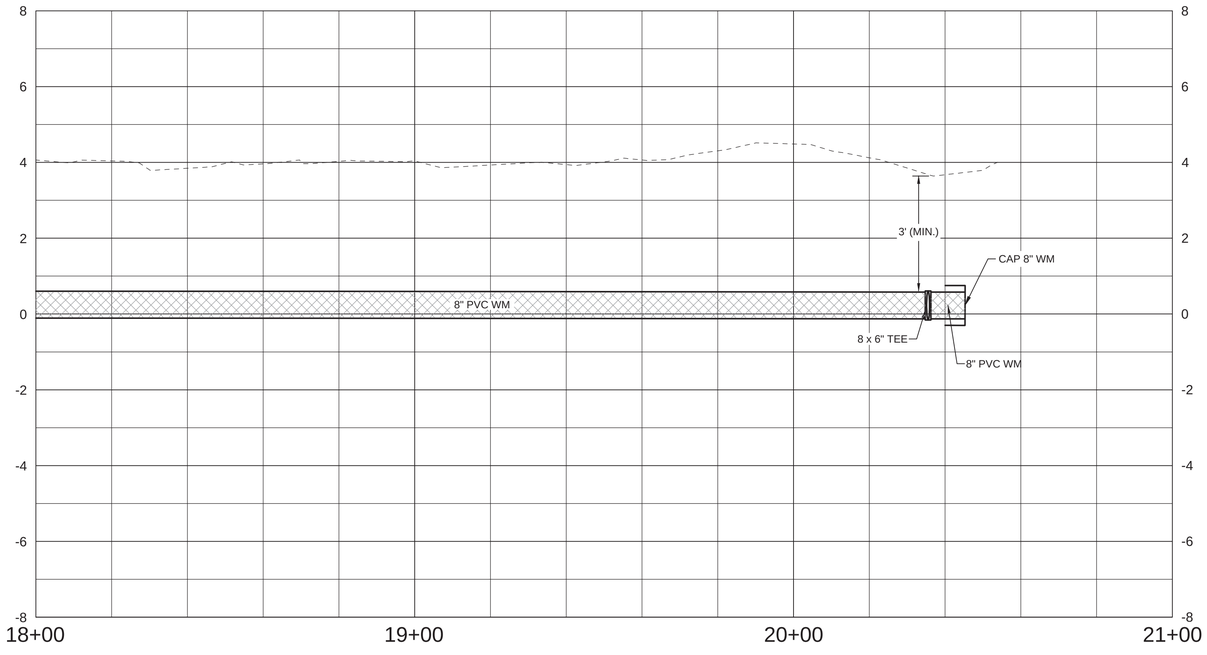
SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN



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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

PALMVIEW BLVD PLAN/PROFILE AND DRAINAGE OUTFALL PLAN

Project No.:	200-74765-18005
Designed By:	
Drawn By:	
Checked By:	

C-257

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Bar Measures 1 inch

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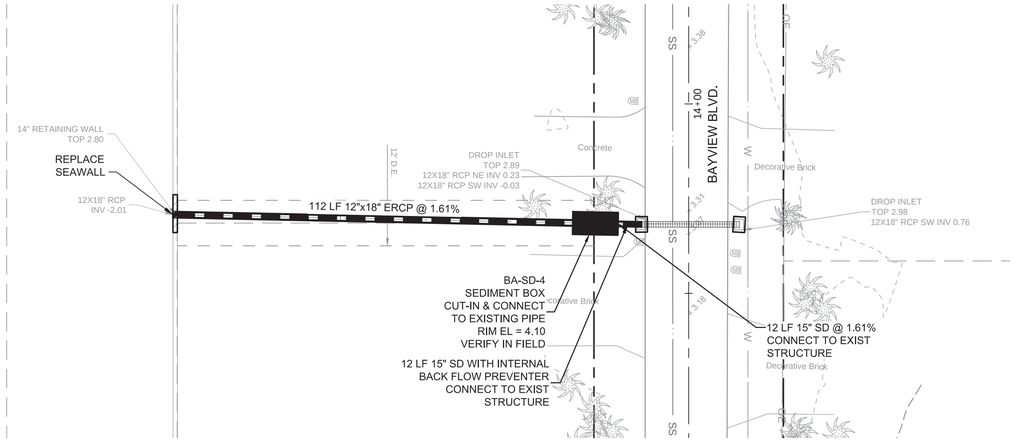
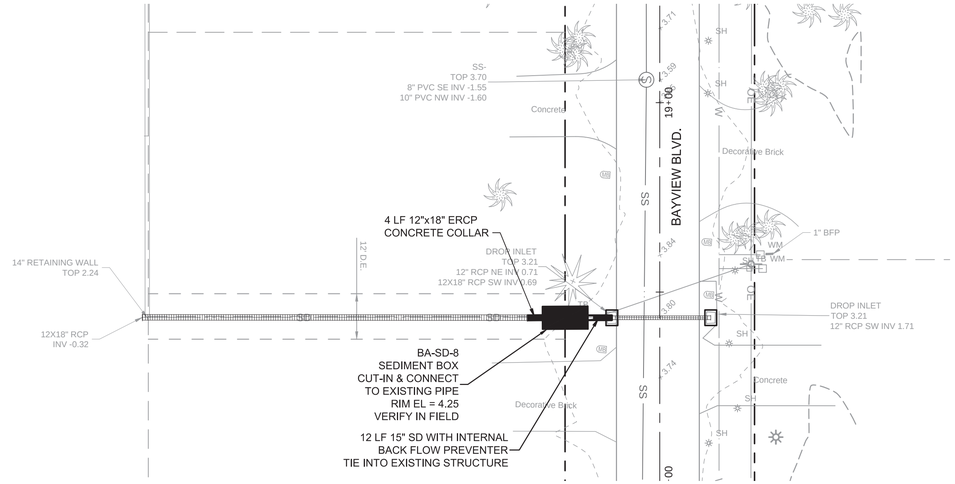
GROUP A



LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

GROUP A



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Engineering Business No. 2429

DATE

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

BAYVIEW BOULEVARD DRAINAGE OUTFALLS PLAN

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-258

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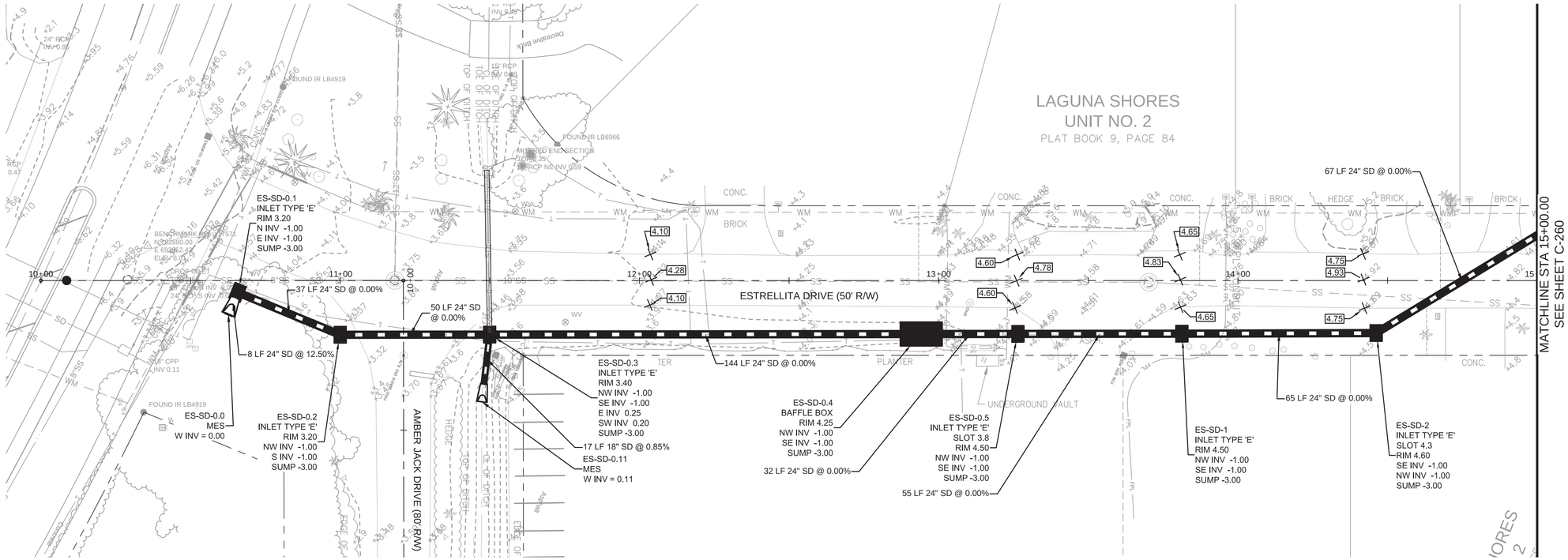
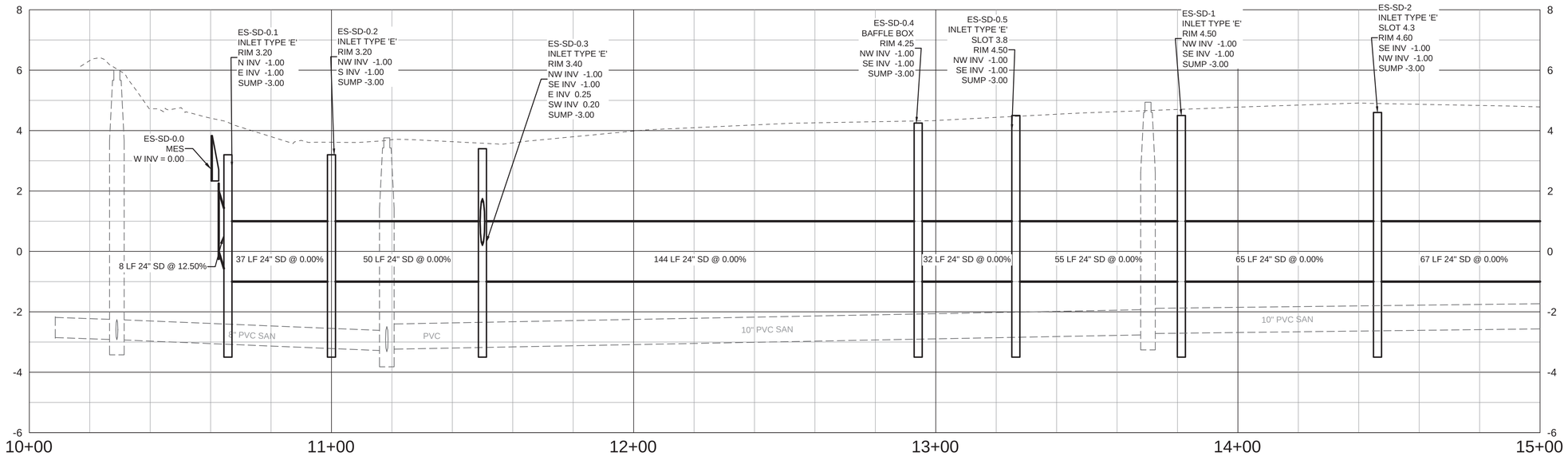
Bar Measures 1 inch

8/7/2022 5:28:01 PM - P:\IER\74765\200-74765-18005\CAD\SHEETFILES\C-500 PLAN-PROFILE.DWG - MONTALVO, ANGEL

GROUP A



SCALE:
HORIZ. 1"= 20'
VERT. 1" = 2'



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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ESTRELLITA DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-259

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Bar Measures 1 inch

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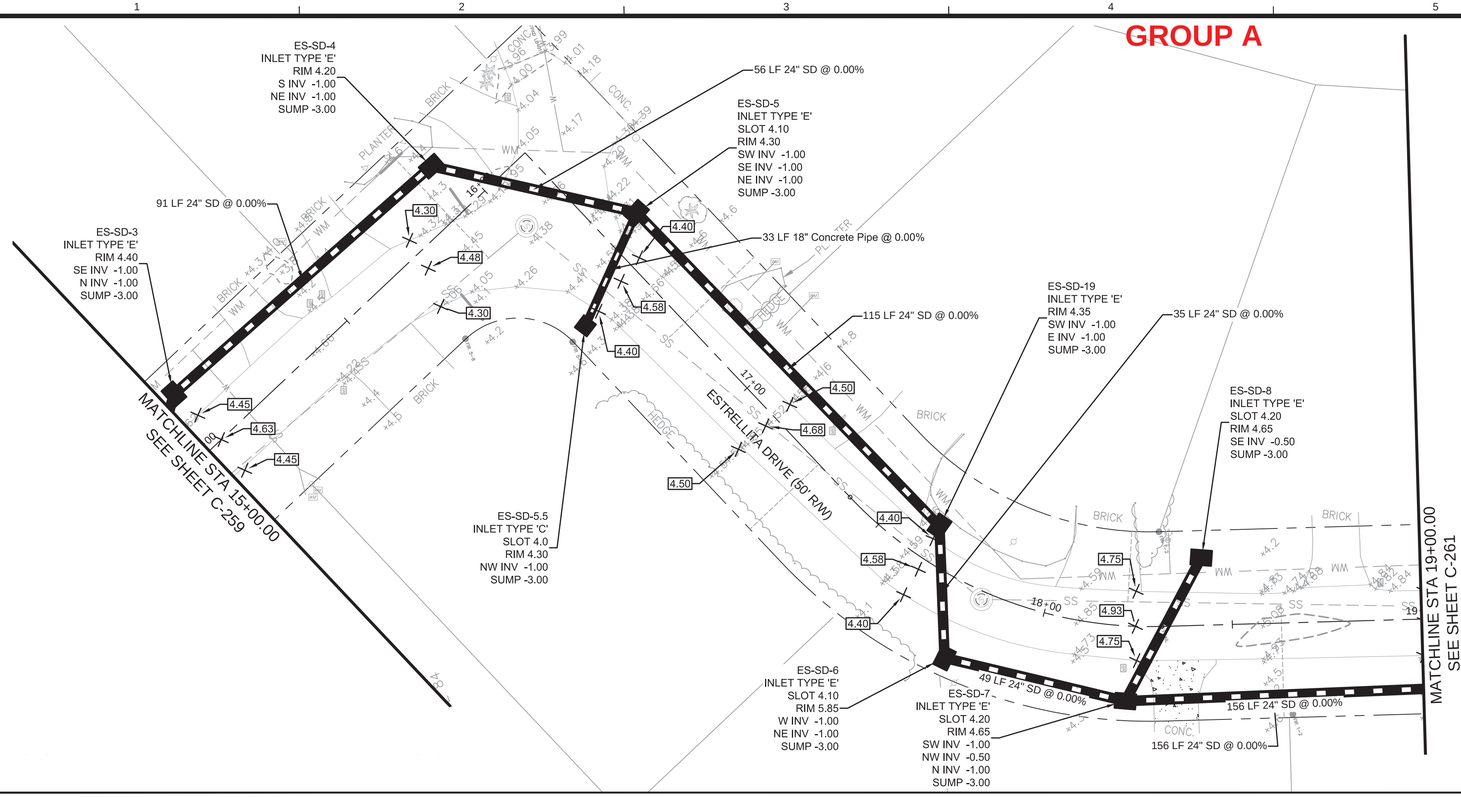
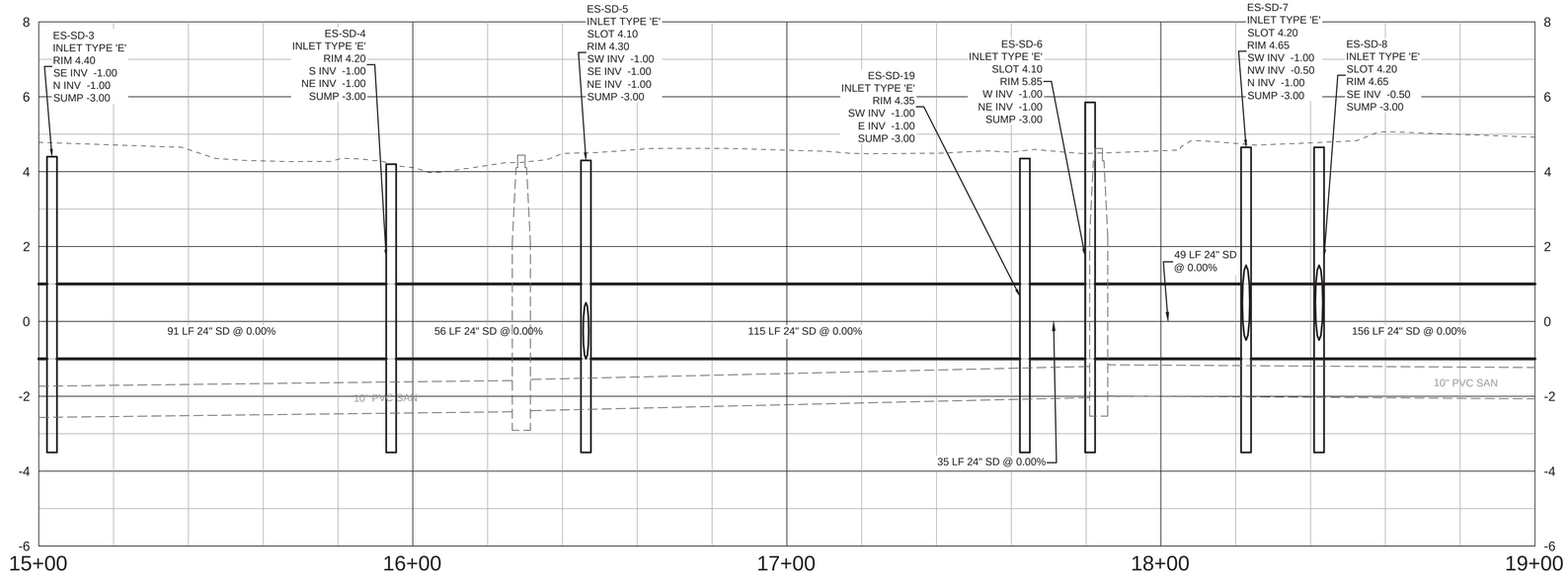
GROUP A





SCALE:
HORIZ. 1"= 20'
VERT. 1" = 2'

0 10 20 40

Bar Measures 1 inch

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Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ESTRELLITA DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-260

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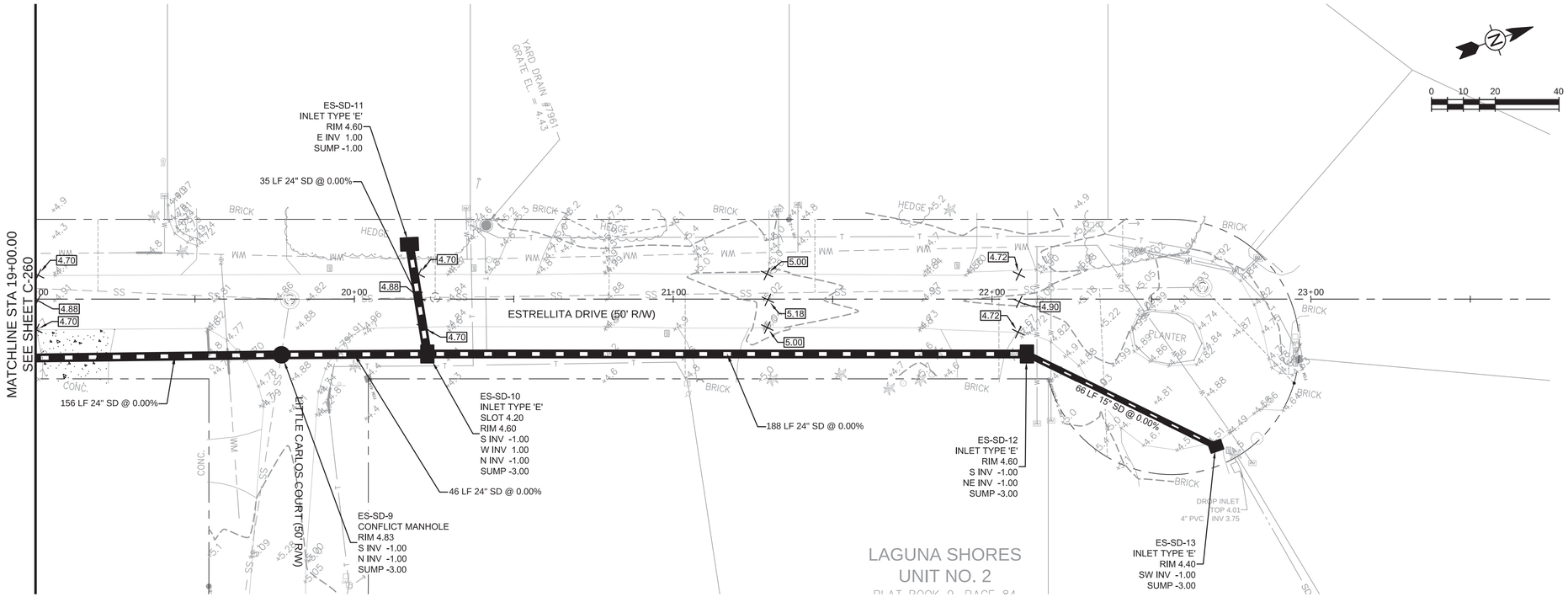
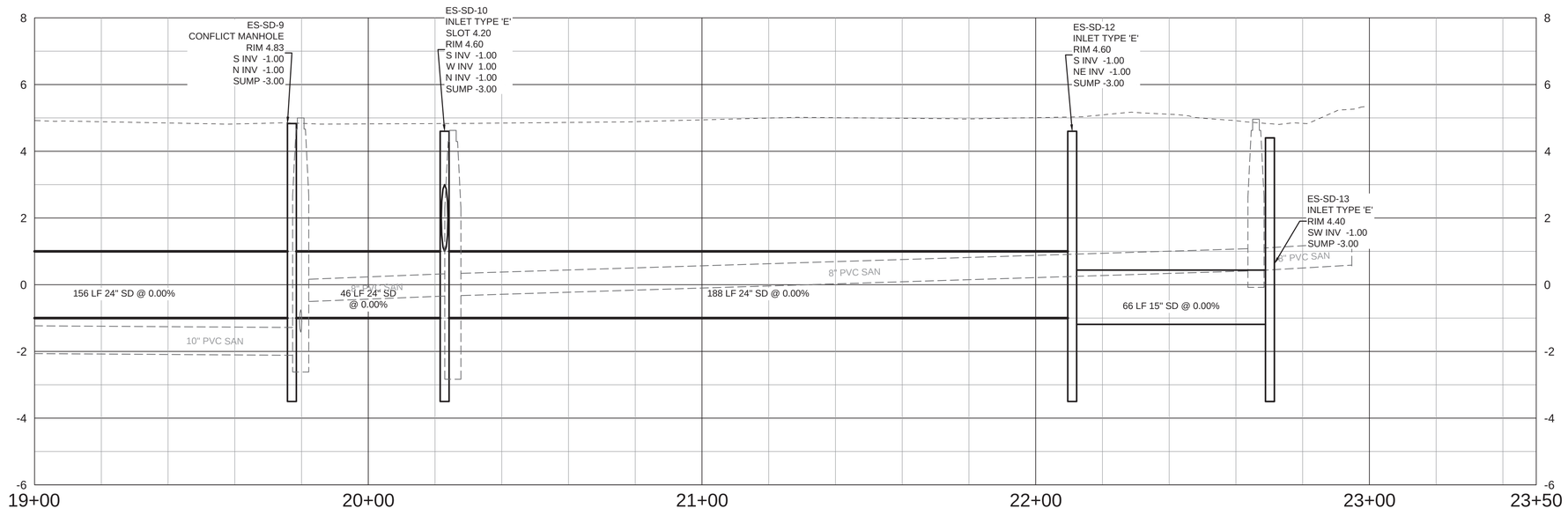
GROUP A



SCALE:
HORIZ. 1"= 20'
VERT. 1" = 2'



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Orlando, Florida 32801
Engineering Business No. 2429

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MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

ESTRELLITA DRIVE
PLAN AND PROFILE

Project No.: 200-74765-18005
Designed By:
Drawn By:
Checked By:

C-261

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Bar Measures 1 inch

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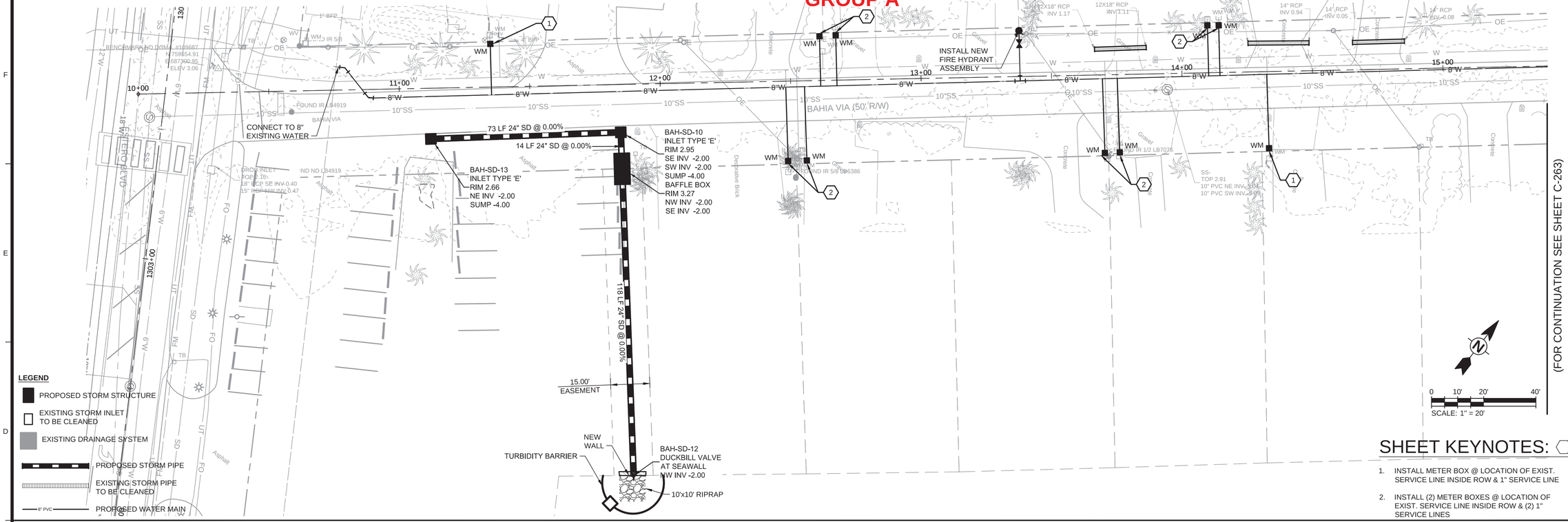
GROUP A

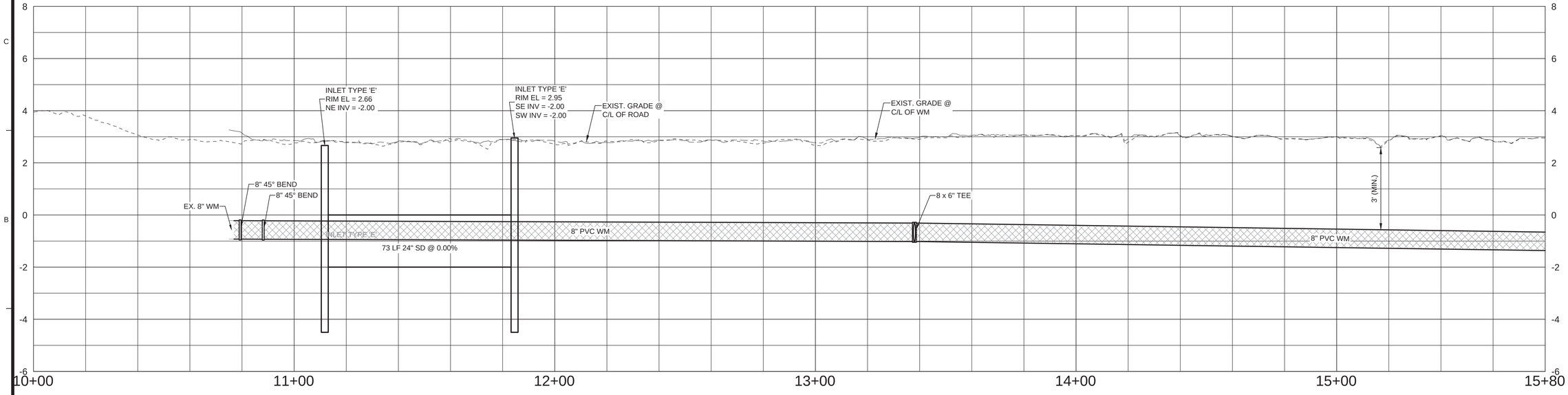


LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION
	8/15/22	ADDENDUM #1

BY TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

BAHIA VIA
PLAN AND PROFILE

Project No.:	200-74765-18005
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

C-262

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Bar Measures 1 inch

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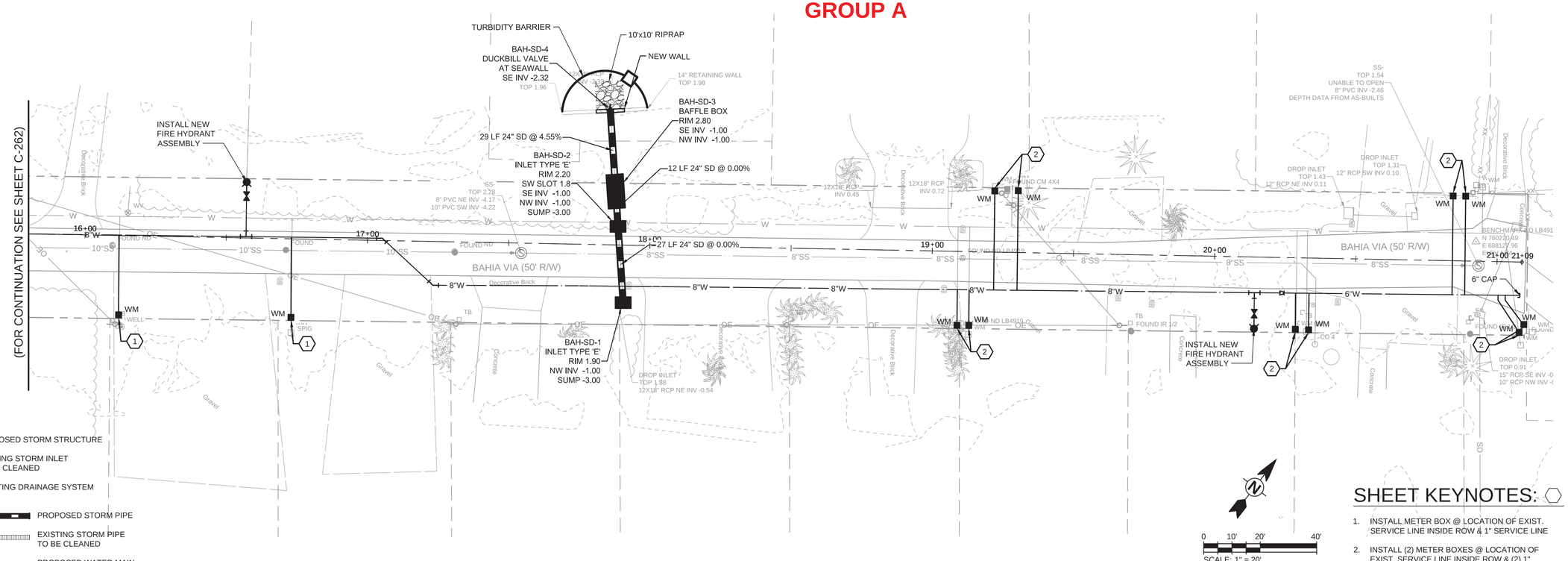
GROUP A



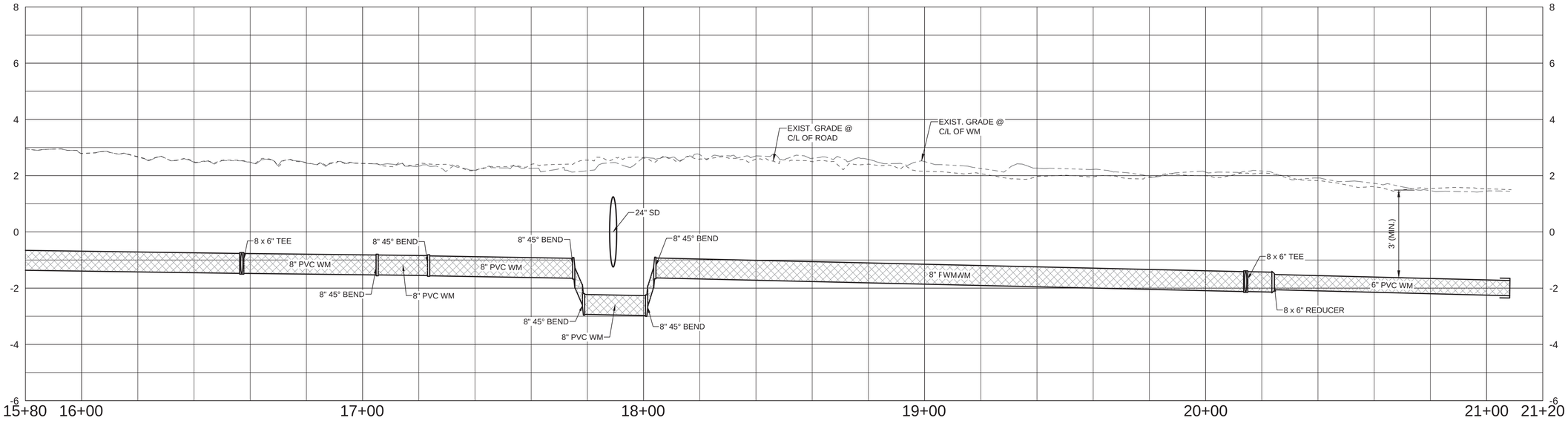
LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

0 10' 20' 40'
SCALE: 1" = 20'

SHEET KEYNOTES:

1. INSTALL METER BOX @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & 1" SERVICE LINE
2. INSTALL (2) METER BOXES @ LOCATION OF EXIST. SERVICE LINE INSIDE ROW & (2) 1" SERVICE LINES



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Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

BAHIA VIA PLAN AND PROFILE

Project No.:	200-74765-18005
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

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Bar Measures 1 inch

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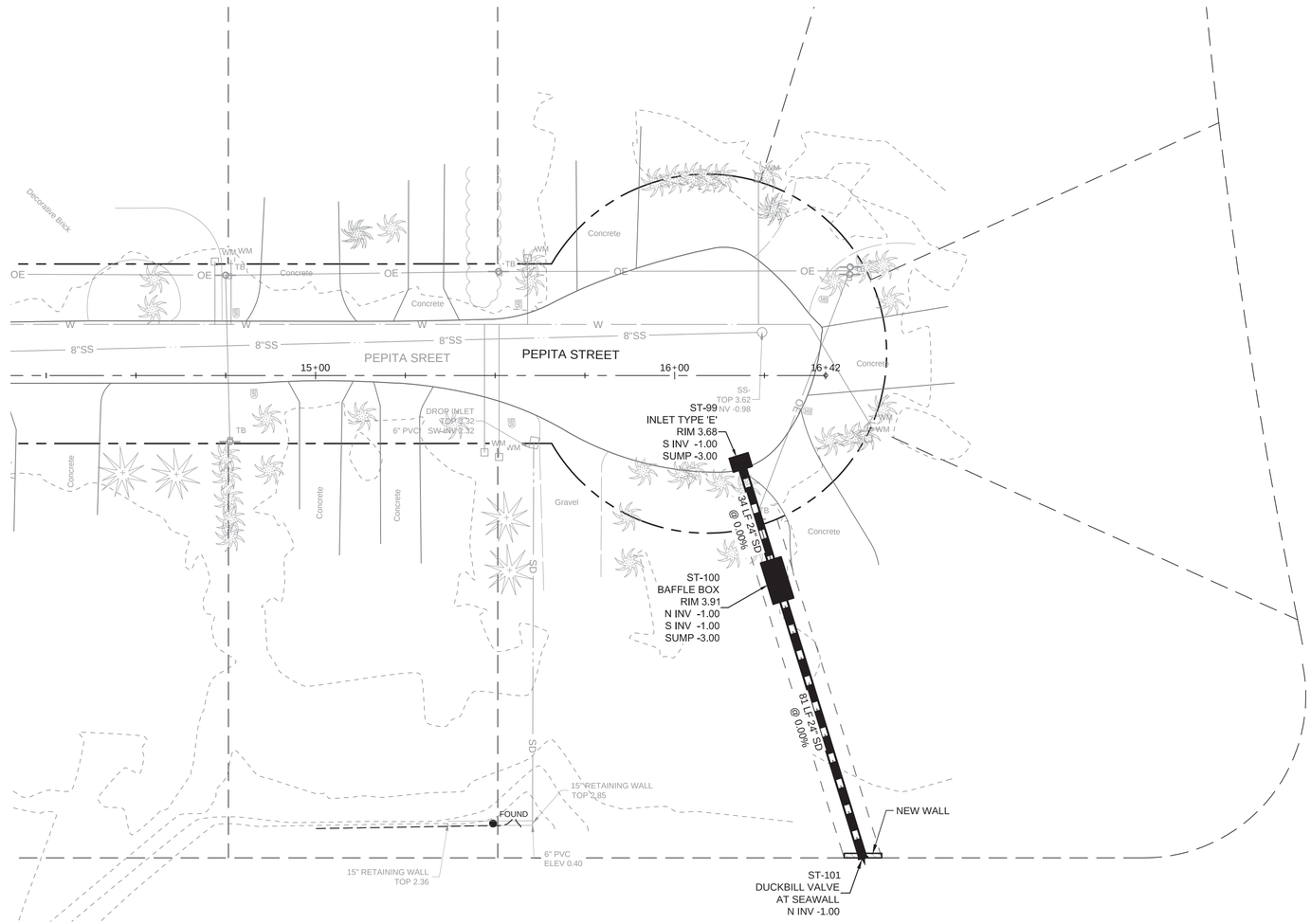
GROUP D



0 1" = 20' 10' 20'

LEGEND

- PROPOSED STORM STRUCTURE
- EXISTING STORM INLET TO BE CLEANED
- EXISTING DRAINAGE SYSTEM
- PROPOSED STORM PIPE
- EXISTING STORM PIPE TO BE CLEANED
- 8" PVC — PROPOSED WATER MAIN

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Engineering Business No. 2429

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TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
TIER 1 SIDE STREETS

PEPITA STREET
DRAINAGE OUTFALL PLAN

Project No.:	200-74765-18005
Designed By:	MLM
Drawn By:	ARM
Checked By:	TV

C-264

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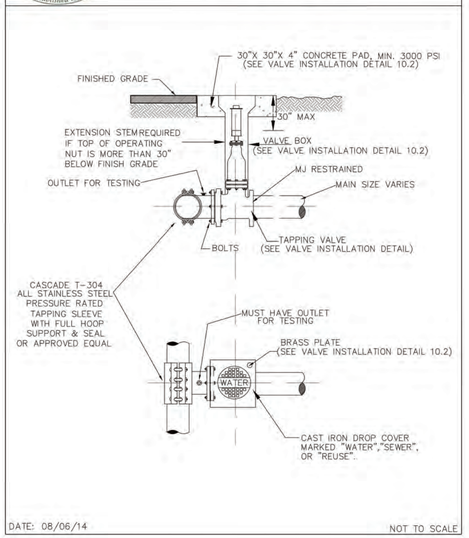
Bar Measures 1 inch

8/12/2022 12:16:05 PM - P:\IER\74765200-74765-18005\CAD\SHEETFILES\C-201 PLAN AND PROFILE PEPITA OUT FALL.DWG - MONTALVO, ANGEL

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.1
TAPPING SLEEVE AND VALVE

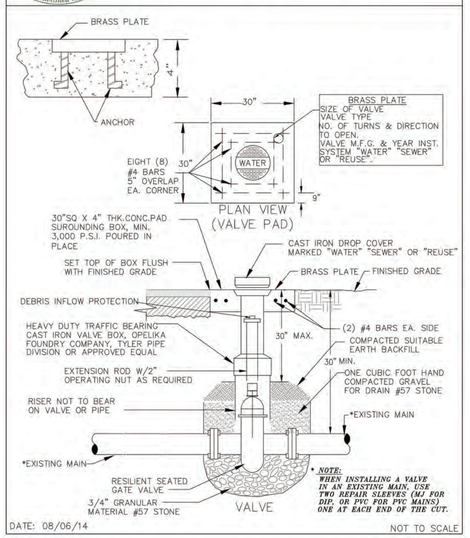


DATE: 08/06/14 NOT TO SCALE

1 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.2
GATE VALVE INSTALLATION



DATE: 08/06/14 NOT TO SCALE

2 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.3
TEMPORARY CONSTRUCTION WATER SERVICE

CONTRACTOR/CUSTOMER SHALL APPLY AT TOWN OF FORT MYERS BEACH FOR TEMPORARY WATER SERVICE THREE DAYS PRIOR TO REQUIRED SERVICE DATE.

THE METER ONLY WILL BE FURNISHED AND INSTALLED BY TOWN OF FORT MYERS BEACH, OR THE UTILITIES CONTRACT OPERATOR.
ALL FITTINGS, PIPING, VALVES AND MATERIALS INCLUDING THE FMB APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER.

CONTRACTOR/CUSTOMER FURNISHED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED WHEN METER IS INSTALLED BY TOWN OF FORT MYERS BEACH. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY TOWN OF FORT MYERS BEACH UTILITIES APPROVED CERTIFIED BACKFLOW PREVENTION TECHNICIAN (FURNISHED BY CONTRACTOR/CUSTOMER) AT TIME OF METER INSTALLATION.

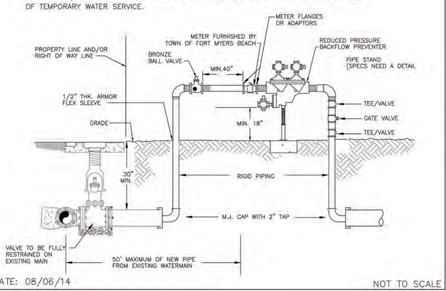
CONTRACTOR/CUSTOMER SHALL PROTECT THE ASSEMBLY FROM DAMAGE.

TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED AND DEPARTMENT OF HEALTH CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY TOWN OF FORT MYERS BEACH.

WHEN THE NEW SYSTEM IS ACCEPTED, THE TEMPORARY CONSTRUCTION JUMPER METER ASSEMBLY MUST BE COMPLETELY REMOVED FROM M.J. CAP TO M.J. CAP AND A NEW WATER MAIN PIPE IS TO BE CHLORINATED AND INSTALLED.

BY APPLYING FOR SERVICE, CONTRACTOR/CUSTOMER AGREES TO TAKE WATER SERVICE FROM TOWN OF FORT MYERS BEACH IN ACCORDANCE WITH THE APPROPRIATE RATE SCHEDULE AND IN ACCORDANCE WITH TOWN OF FORT MYERS BEACH RULES AND REGULATION.

CONTRACTOR/CUSTOMER IS RESPONSIBLE FOR BACTERIALOGICAL TESTING AFTER CONNECTION OF TEMPORARY WATER SERVICE.

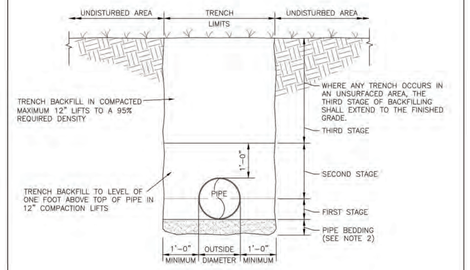


DATE: 08/06/14 NOT TO SCALE

3 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.4
UNPAVED AREA TRENCH BACKFILL DETAIL



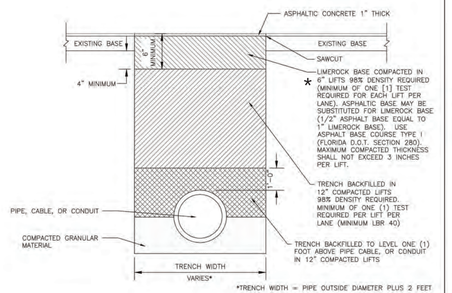
NOTES:
1. BACKFILL SHALL BE OF SUITABLE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED. BACKFILL MATERIAL SHALL CONSIST OF EARTH, LOAM, SANDY CLAY, GRAVEL, CRUSHED LIMESTONE, OR OTHER APPROVED MATERIAL. REFER TO TECHNICAL SPECIFICATIONS FOR DETAIL REQUIREMENTS.
2. IF TRENCH BOTTOM CONTAINS ROCK, THEN A MINIMUM OF A 6" PIPE BEDDING SHALL BE USED

DATE: 08/06/14 NOT TO SCALE

4 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL (MODIFIED)

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.4a
ROAD AND TRENCH RESTORATION
FOR LOCAL ROADS



NOTES:
1. ALL MODIFIED PROCTOR AND DENSITY TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY.
2. ALL TESTS SHALL BE COMPLETED AND SHALL MEET MINIMUM DENSITY REQUIREMENTS PRIOR TO ADDITIONAL BACKFILLING.
3. RIGHT-OF-WAY PERMIT STIPULATIONS OVERRIDE THIS DETAIL WHERE TRENCH IS LOCATED WITHIN A COUNTY RIGHT-OF-WAY.

* LIMEROCK BASE IS NOT TO BE USED WHEN BOTTOM OF BASE IS WITHIN 18" OF THE SEASONAL GROUND WATER ELEVATION.

DATE: 08/06/14 NOT TO SCALE

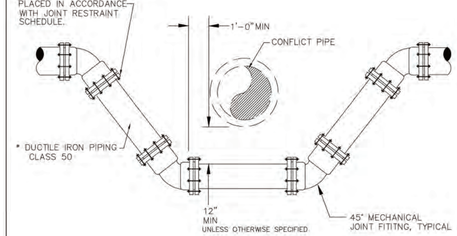
5 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.6
WATER PRESSURE LINE VERTICAL OFFSET
WITH DUCTILE IRON MJ FITTINGS & PIPE

JOINT RESTRAINT DEVICES FOR MECHANICAL JOINT DUCTILE IRON FITTINGS & PIPING SHALL BE:
EBAA IRON INC., -SERIES 1100,
STAR PIPE PRODUCTS RESTRAINTS
OR APPROVED EQUAL

JOINT RESTRAINT FOR D.I. ,M.J. PIPE AND FITTINGS PLACED IN ACCORDANCE WITH JOINT RESTRAINT SCHEDULE:



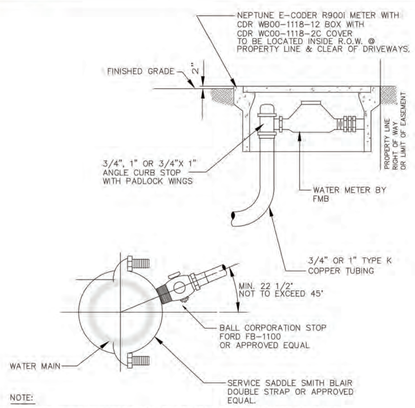
* IF MECHANICAL JOINT DUCTILE IRON FITTINGS ARE USED IN CONJUNCTION WITH P.V.C. PIPE, RESTRAINT DEVICES SHALL BE:
EBAA IRON INC., -SERIES 2000 PV
UNIFLANGE -SERIES 1300
STAR PIPE PRODUCTS RESTRAINTS
OR APPROVED EQUAL

DATE: 08/06/14 NOT TO SCALE

6 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.9
WATER SERVICE INSTALLATION
5/8" THROUGH 1"



NOTE:
1. TUBING UNDER ROADWAY SHALL BE ENCASED IN 2" P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.
2. CURB STOP SHALL BE FORD TYPE KV43-332W FOR 3/4", KV43-342W FOR 1" X 3/4" OR KV43-444W FOR 1" OR APPROVED EQUAL.

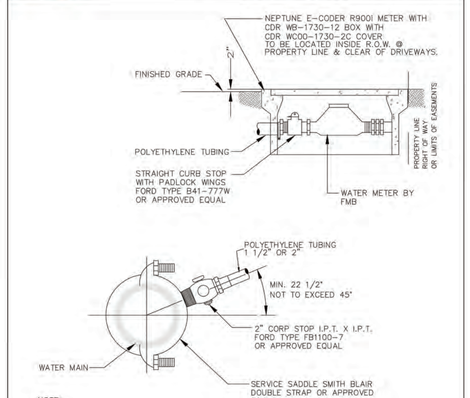
ALTERNATIVE:
POLYETHYLENE, PE 3408 (200 PSI SDR 9, ASTM D3350), TUBING MAY BE SUBSTITUTED. COLOR FOR WATER SHALL BE BLUE.

DATE: 08/06/14 NOT TO SCALE

7 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.10
WATER SERVICE INSTALLATION
1-1/2" THROUGH 2"



NOTE:
1. TUBING UNDER ROADWAY SHALL BE ENCASED IN P.V.C. PIPE SCHEDULE 40 MINIMUM AND EXTEND 4 FEET BEYOND THE EDGES OF PAVEMENT OR BACK OF CURB.

ALTERNATIVE:
POLYETHYLENE, PE 3408 (200 PSI SDR 9, ASTM D3350), TUBING MAY BE SUBSTITUTED. COLOR FOR WATER SHALL BE BLUE.

DATE: 08/06/14 NOT TO SCALE

8 **DETAIL**
SCALE: NTS

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Timothy A. Vanderwalker, P.E.
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201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE _____

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.:	200-74765-18005
Designed By:	JRW
Drawn By:	BMM
Checked By:	

C-501

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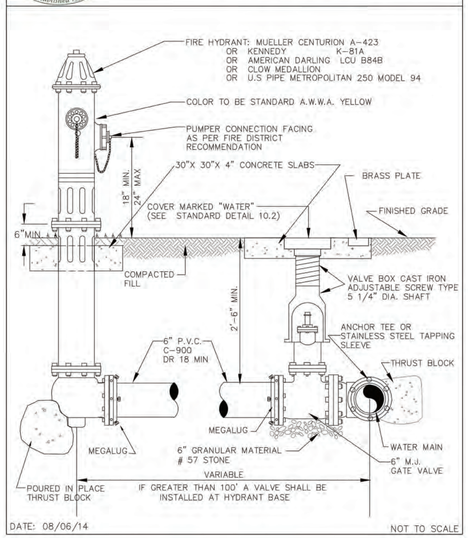
Bar Measures 1 inch

2/21/2022 11:36:40 AM - \\TT-LOCAL\ER\PROJECTS\ORLANDO\ER\74765\200-74765-18005\CAD\SHEETFILES\C-501 CIVIL DETAILS_SIDE-STREETS.DWG - MONTALVO, ANGEL

TOWN OF FORT MYERS BEACH STANDARD DETAIL

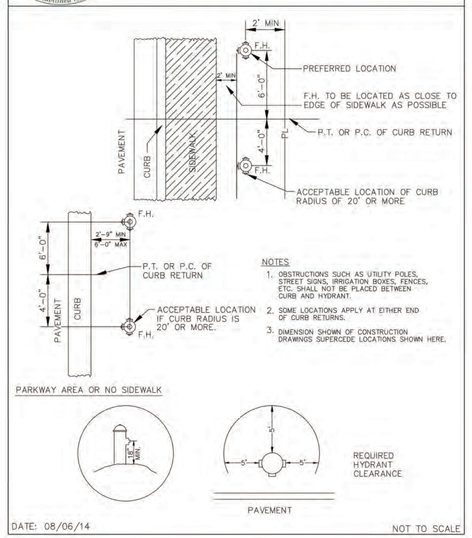
TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.16
FIRE HYDRANT ASSEMBLY



1 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

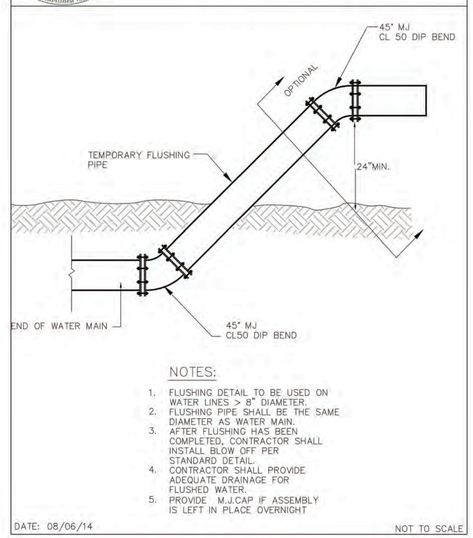
TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.17
FIRE HYDRANT LOCATIONS/CLEARANCE



2 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

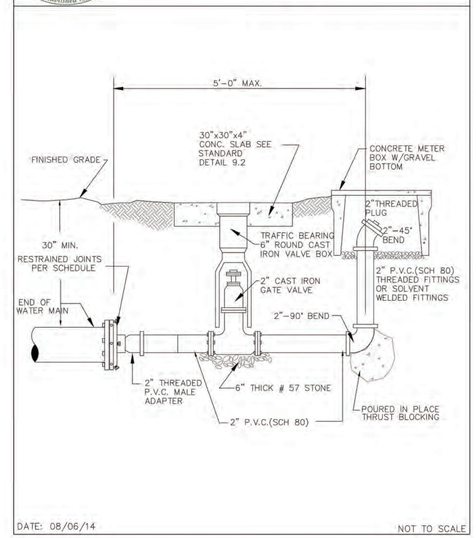
TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.19
WATER MAIN FLUSHING DETAIL



3 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

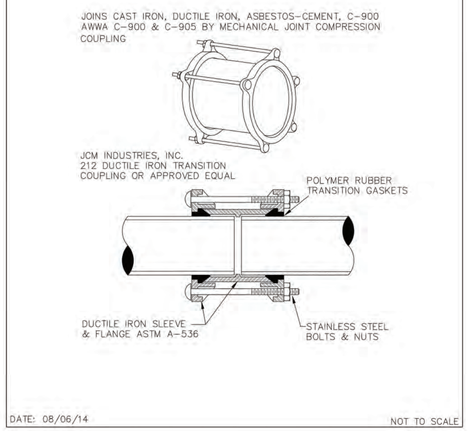
TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.20
BLOW OFF DETAIL



4 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

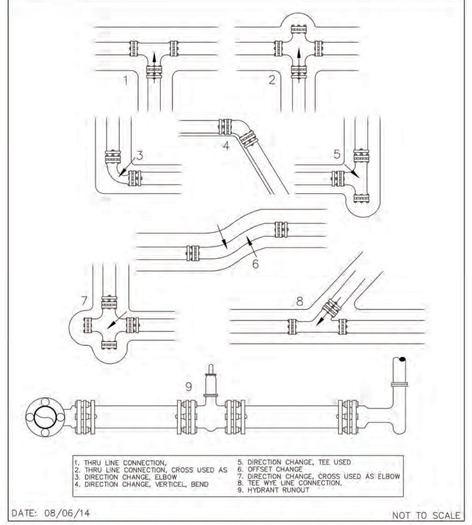
TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.21
DUCTILE IRON TRANSITION COUPLING



5 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.22
THRUST RESTRAINING



6 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.24
MAIN SEPARATION TABLE

OTHER PIPE	HORIZONTAL SEPERATION	CROSSING	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
• STORM SEWER • STORMWATER FORCE MAIN • RECLAMED WATER	WATER MAIN 3 FT. MINIMUM	WATER MAIN 12 INCHES PREFERED 6 INCH MINIMUM— STORM SEWER ONLY	ALTERNATE 3 FT. MINIMUM WATER MAIN
• GRAVITY OR LOW PRESSURE SANITARY SEWER (1) • SANITARY SEWER FORCE MAIN • SEPTIC TANKS (2)	WATER MAIN 10 FEET PREFERED 6 FEET MINIMUM	WATER MAIN 12 INCHES IS THE MINIMUM EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES PREFERED	ALTERNATE 6 FT. MINIMUM WATER MAIN

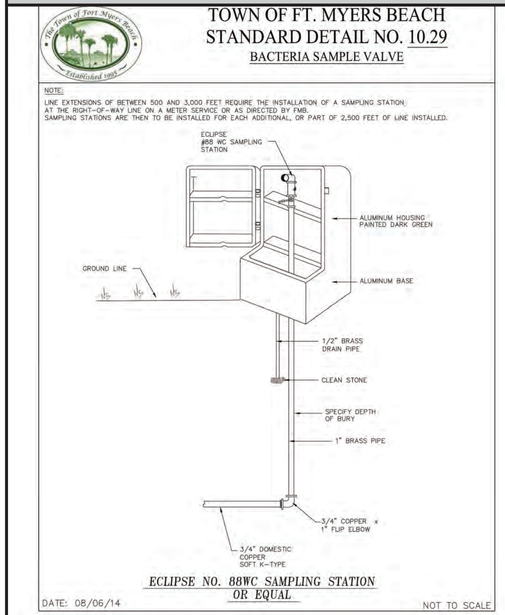
NOTE:
1. 3 FEET FOR GRAVITY TYPE SANITARY SEWERS WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY TYPE SANITARY SEWER.
2. THE SEPARATION BETWEEN POTABLE WATER, RECLAIMED WATER AND OSTDS (SEPTIC TANKS) SHALL BE 10 FEET.
3. WATER MAIN SHALL CROSS ABOVE OTHER PIPE. WHEN WATER MAIN SHALL BE BELOW OTHER PIPE THE MINIMUM SEPARATION SHALL BE 18 INCHES.

DATE: 08/06/14
NOT TO SCALE

7 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH STANDARD DETAIL NO. 10.29
BACTERIA SAMPLE VALVE



8 **DETAIL**
SCALE: NTS

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201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.: 200-74765-18005
Designed By: JRW
Drawn By: BMM
Checked By:

C-502

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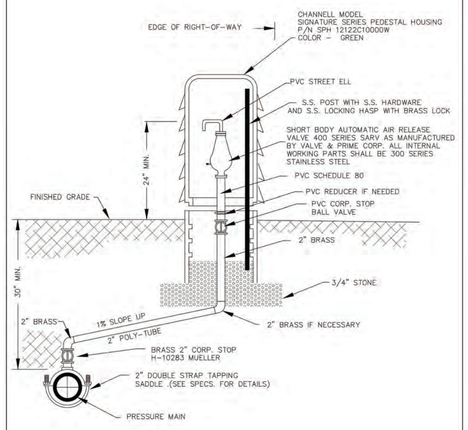
Bar Measures 1 inch

2/21/2022 11:36:50 AM - \\TT-LOCAL\ER\PROJECTS\ORLANDO\ER\74765\200-74765-18005\CAD\SHEETFILES\C-501 CIVIL DETAILS_SIDE-STREETS.DWG - MONTALVO, ANGEL

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.30
AUTOMATIC AIR RELEASE VALVE (WATER)

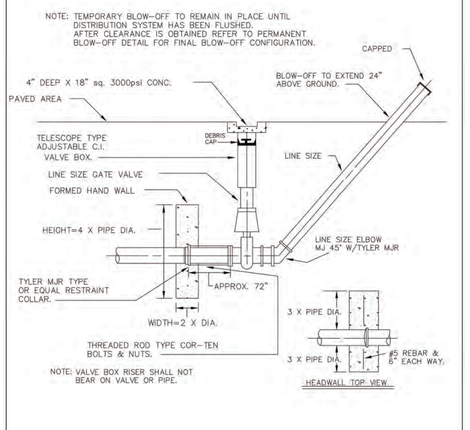


DATE: 08/06/14 NOT TO SCALE

1 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.32
TEMPORARY BLOW OFF



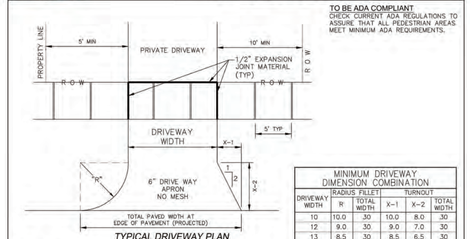
DATE: 08/06/14 NOT TO SCALE

2 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.41
DRIVEWAY & SIDEWALK
SINGLE FAMILY & DUPLEX

TO BE ADA COMPLIANT
CHECK CURRENT ADA REGULATIONS TO ASSURE THAT ALL PEDESTRIAN AREAS MEET MINIMUM ADA REQUIREMENTS.

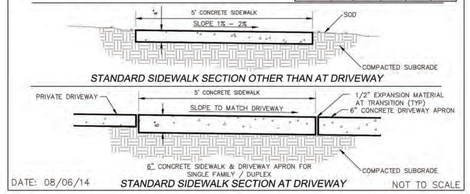


TYPICAL DRIVEWAY PLAN

MINIMUM DRIVEWAY DIMENSION COMBINATION

DRIVEWAY WIDTH	RADIUS FILLET R	RADIUS FILLET TOTAL WIDTH	TURNOUT X-1	TURNOUT X-2	TURNOUT TOTAL WIDTH
10	10.0	30	10.0	8.0	30
12	9.0	30	9.0	7.0	30
13	8.5	30	8.5	6.5	30
14	8.0	30	8.0	6.0	30
15	7.5	30	7.5	5.5	30
16	7.0	30	7.0	5.0	30
17	6.5	30	6.5	4.5	30
18	6.0	30	6.0	4.0	30
19	5.5	30	5.5	4.0	30
20	5.0	30	5.0	4.0	30
21	4.5	30	4.5	3.0	30
22	4.0	30	4.0	3.0	30
24	3.0	30	3.0	3.0	30

NOTES
1. TURNOUT (DIMENSIONS X–1 & X–2) SHALL BE REQUIRED WHEN USING CONCRETE UNLESS OTHERWISE APPROVED.
2. WHERE GUTTER IS USED, THE DIMENSIONS SHOWN SHALL BE AS PROJECTED FROM EDGE OF PAVEMENT.
3. FLORIDA D.O.T. PRIMARY, SECONDARY AND COUNTY ARTERIAL STREETS REQUIRE MINIMUM DIMENSIONS OF 12 FOOT DRIVE WIDTH WITH A MINIMUM RADIUS OF 15 FOOT. (REGARDLESS OF DRIVE WIDTH – A 15 FOOT RADIUS WILL BE REQUIRED.
4. THESE DIMENSIONS ARE NOT APPLICABLE TO DRIVEWAYS CONSTRUCTED AROUND CUL-DE-SACS AND SHARP RADIUS. CONTACT ENGINEERING DEPARTMENT FOR DETAILS CONCERNING VARIANCES.



STANDARD SIDEWALK SECTION OTHER THAN AT DRIVEWAY

STANDARD SIDEWALK SECTION AT DRIVEWAY

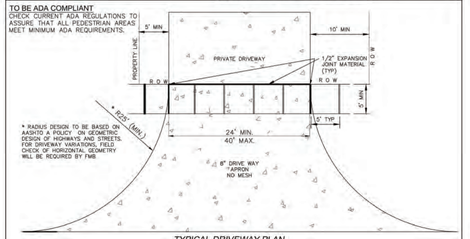
DATE: 08/06/14 NOT TO SCALE

3 **DETAIL**
SCALE: NTS

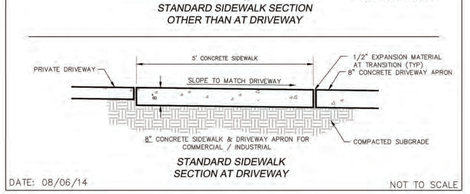
TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.42
DRIVEWAY & SIDEWALK
COMMERCIAL/INDUSTRIAL

TO BE ADA COMPLIANT
CHECK CURRENT ADA REGULATIONS TO ASSURE THAT ALL PEDESTRIAN AREAS MEET MINIMUM ADA REQUIREMENTS.



TYPICAL DRIVEWAY PLAN



STANDARD SIDEWALK SECTION OTHER THAN AT DRIVEWAY

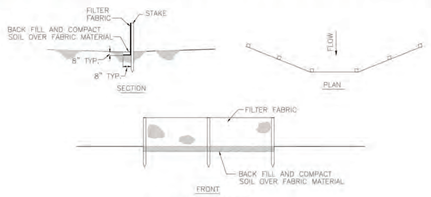
STANDARD SIDEWALK SECTION AT DRIVEWAY

DATE: 08/06/14 NOT TO SCALE

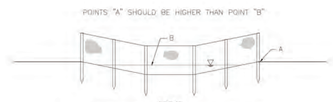
4 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.43
SEDIMENT CONTROL
FILTER BARRIER DETAILS



FILTER BARRIER



PROPER PLACEMENT OF FILTER BARRIER IN DRAINAGE WAY

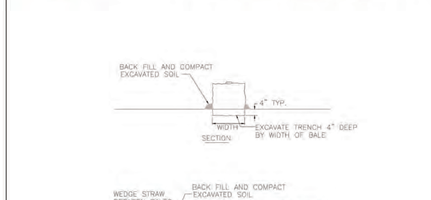
TYPICAL SILT FENCE DEPLOYMENT AT ROADWAYS

DATE: 08/06/14 NOT TO SCALE

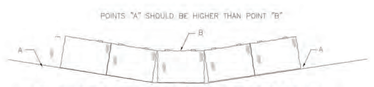
5 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.44
SEDIMENT CONTROL
STRAW BALE BARRIER DETAILS



STRAW BALE BARRIER



PROPER PLACEMENT OF STRAW BALE BARRIER IN DRAINAGE WAY

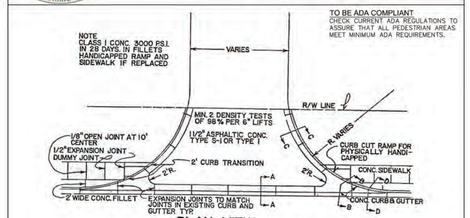
DATE: 08/06/14 NOT TO SCALE

6 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.48
CURB ACCESS WITH HANDICAPPED RAMP

TO BE ADA COMPLIANT
CHECK CURRENT ADA REGULATIONS TO ASSURE THAT ALL PEDESTRIAN AREAS MEET MINIMUM ADA REQUIREMENTS.



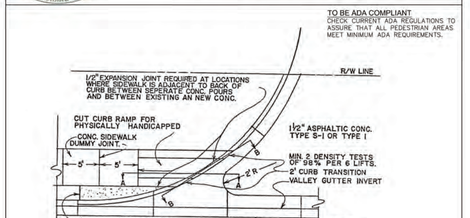
DATE: 08/06/14 NOT TO SCALE

7 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.49
CURB ACCESS WITH HANDICAPPED RAMP

TO BE ADA COMPLIANT
CHECK CURRENT ADA REGULATIONS TO ASSURE THAT ALL PEDESTRIAN AREAS MEET MINIMUM ADA REQUIREMENTS.



DATE: 08/06/14 NOT TO SCALE

8 **DETAIL**
SCALE: NTS

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Engineering Business No. 2429

DATE _____

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.: 200-74765-18005
Designed By: JRW
Drawn By: BMM
Checked By:

C-503

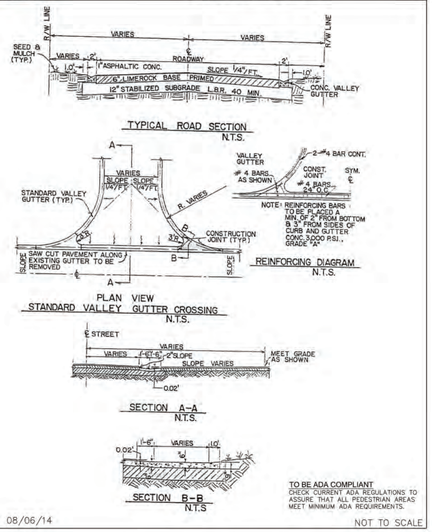
Copyright: Tetra Tech

Bar Measures 1 inch

2/21/2022 11:37:01 AM - \\TT.LOCAL\ER\PROJECTS\ORLANDO\ER\74765\200-74765-18005\CAD\SHEETFILES\C-501 CIVIL DETAILS_SIDE-STREETS.DWG - MONTALVO, ANGEL

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.50
VALLY GUTTER
INTERSECTION DETAIL



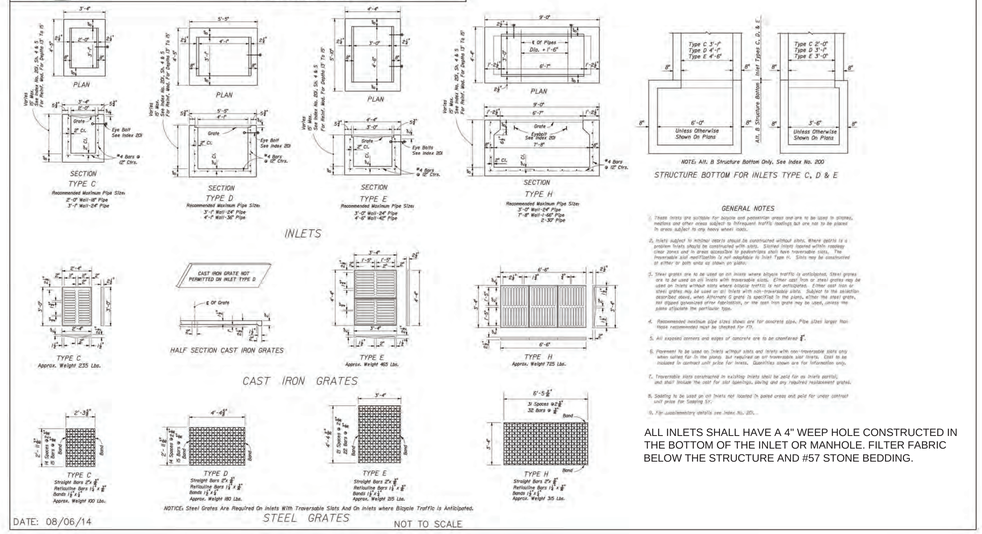
TO BE ADA COMPLIANT
CHECK CURRENT ADA REGULATIONS TO ASSURE THAT ALL PEDESTRIAN AREAS MEET MINIMUM ADA REQUIREMENTS.

DATE: 08/06/14 NOT TO SCALE

1 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.33
DITCH BOTTOM INLETS
TYPES C, D, E, & H



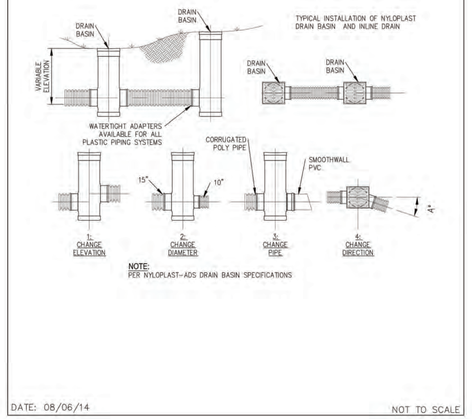
ALL INLETS SHALL HAVE A 4" WEEP HOLE CONSTRUCTED IN THE BOTTOM OF THE INLET OR MANHOLE. FILTER FABRIC BELOW THE STRUCTURE AND #57 STONE BEDDING.

DATE: 08/06/14 NOT TO SCALE

2 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

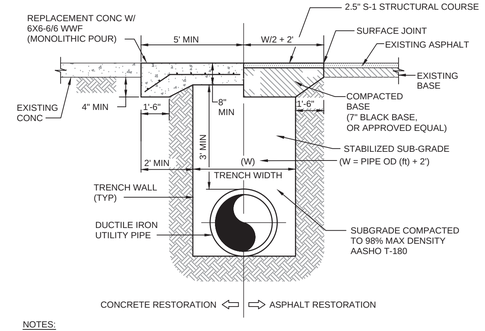
TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.34
YARD DRAIN DETAIL



DATE: 08/06/14 NOT TO SCALE

3 **DETAIL**
SCALE: NTS

UTILITY CROSSING, OPEN CUT



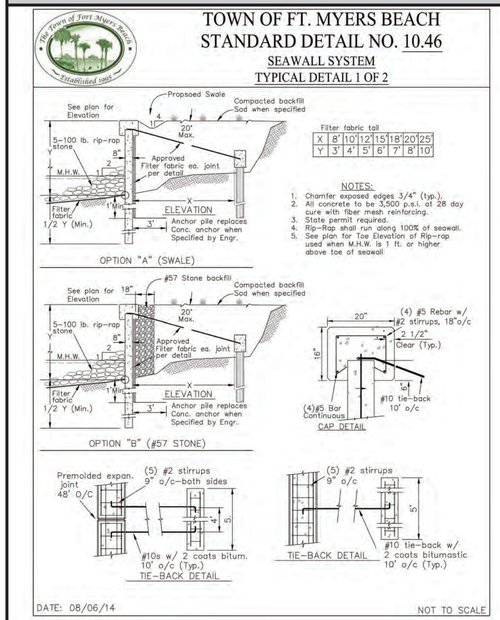
NOTES:

1. CONTRACTOR SHALL FILL OPEN CUT TO ALLOW TRAFFIC TO PASS FREELY AND SAFELY PROMPTLY AFTER INSTALLATION. IF PERMANENT RESTORATION IS TO BE DEFERRED, THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY CONDITION TO THE RESIDENT INSPECTOR'S SATISFACTION.
2. EXISTING SURFACE AND BASE CUTS SHALL BE MECHANICALLY SAWN.
3. LONGITUDINAL CUTS REQUIRED OVERLAY/RESURFACING TO THE COMPLETE WIDTH OF THE ROAD ON COUNTY AND EXPRESSWAY AUTHORITY OWNED ROADWAYS.
4. CUTS AT INTERSECTIONS REQUIRE COMPLETE OVERLAY/RESURFACING TO THE END OF ALL RETURN RADII AND/OR 10FT BEYOND CUT, WHICHEVER IS GREATER FOR AND COUNTY AND EXPRESSWAY AUTHORITY OWNED ROADWAY INTERSECTIONS.
5. CUTS THROUGH TURNOUTS AND CUL-DE-SACS REQUIRE COMPLETE OVERLAY/RESURFACING ON COUNTY AND EXPRESSWAY AUTHORITY OWNED ROADWAYS.
6. ALL UTILITY PIPE INSTALLED UNDERNEATH ASPHALT OR CONCRETE ROADWAY SHALL BE DUCTILE IRON.

4 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.46
SEAWALL SYSTEM
TYPICAL DETAIL 1 OF 2



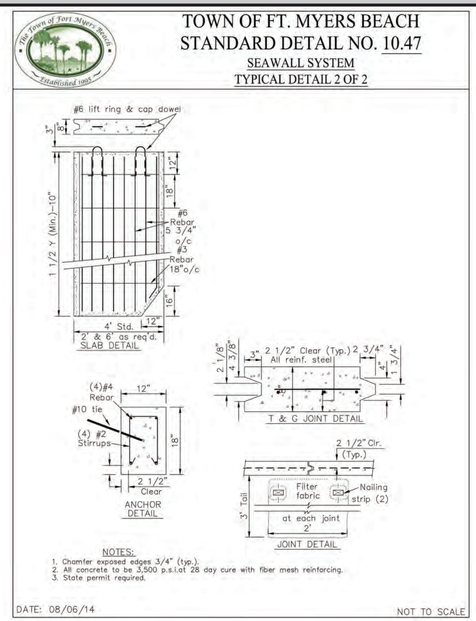
OR APPROVED EQUAL

DATE: 08/06/14 NOT TO SCALE

5 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL

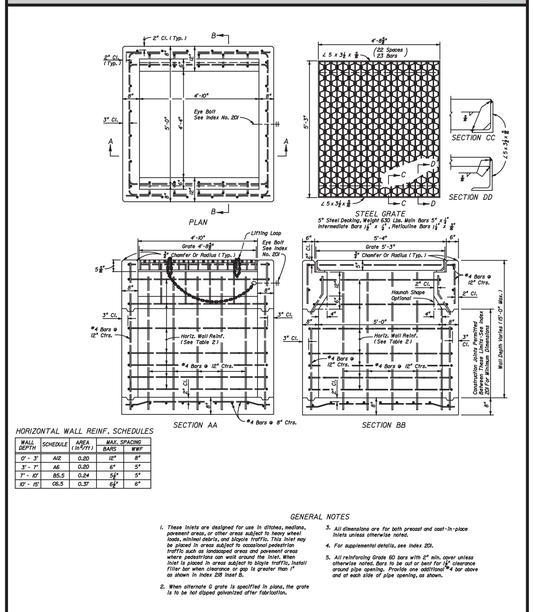
TOWN OF FT. MYERS BEACH
STANDARD DETAIL NO. 10.47
SEAWALL SYSTEM
TYPICAL DETAIL 2 OF 2



DATE: 08/06/14 NOT TO SCALE

6 **DETAIL**
SCALE: NTS

FDOT TYPE G DITCH BOTTOM INLET



WALL DEPTH	SCHEDULE	AREA (in²/ft)	MAX. SPACING BARS	MAX. SPACING WWF
0' - 3"	A12	0.20	12"	8"
3' - 7"	A6	0.20	6"	5"
7' - 10"	B5.5	0.24	5½"	5"
10' - 11"	C6.5	0.31	6½"	6"

1. These inlets are designed for use in ditches, medians, pavement areas, or other areas subject to heavy wheel loads, windrow debris, and bicycle traffic. This inlet may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet. When inlet is placed in areas subject to bicycle traffic, install filler bar when clearance or gap is greater than 1" as shown in Index 228 Inset B.
2. When alternate G grate is specified in plans, the grate is to be hot dipped galvanized after fabrication.
3. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
4. For supplemental details, see Index 224.
5. All reinforcing Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 3" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening, as shown.

FDOT INDEX NO. 233

7 **DETAIL**
SCALE: NTS

TETRA TECH
www.tetratech.com
10600 CHEVROLET WAY, SUITE 300
ESTERO, FL 33928
PHONE: (239) 390-1467 FAX: (407) 839-3790

Timothy A. Vanderwalker, P.E.
P.E. No. 74415, FL
201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TDM

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.: 200-74765-18005
Designed By: JRW
Drawn By: BMM
Checked By:

C-504

Copyright: Tetra Tech

Bar Measures 1 inch

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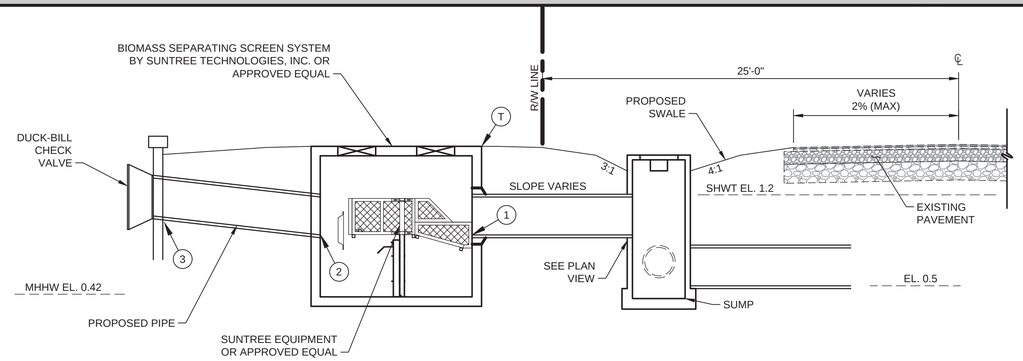
TYPICAL SECTIONS

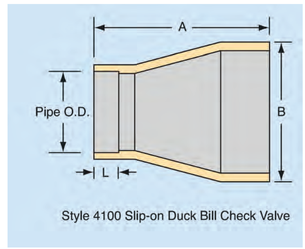


MHHW = MEAN HIGH HIGHTIDE

1 SUNTREE BAFFLE BOX, DUCK-BILL VALVE & PROPOSED INLET W/WEIR SECTION DETAIL

SCALE: NTS

TYPICAL SECTIONS



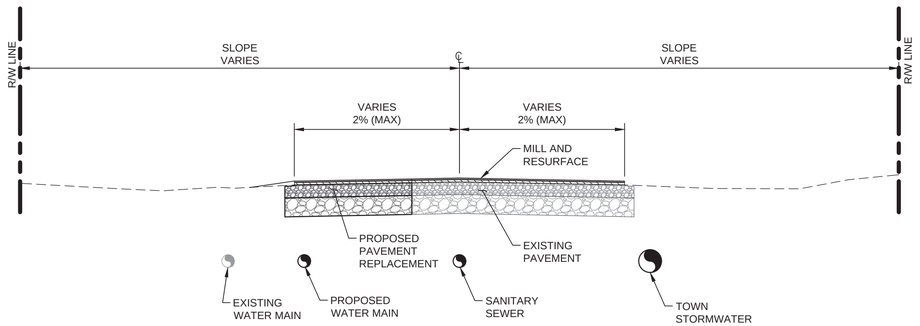
Style 4100 Slip-on Duck Bill Check Valve

Pipe Size	STYLE 4100			
	Mating Pipe O.D	Cuff Slip-on Length L	Length A	Height B
30	30	10	42	50

3 STYLE 4100 GENERAL RUBBER CORPORATION DUCK-BILL CHECK VALVE OR APPROVED EQUAL

SCALE: N.T.S.

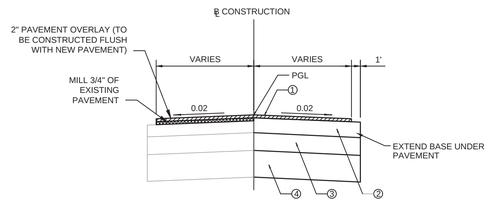
TYPICAL SECTIONS



2 NEW PAVEMENT SECTION DETAIL

SCALE: NTS

NEW PAVEMENT SECTION



PAVEMENT DESIGN

1. 2" TYPE S-1 STRUCTURAL COURSE OR SUPER PAVE TYPE 12.5 (2 LIFTS)
2. OPTIONAL 10" LIMEROCK BASE COMPACTED TO 98% MAX. DENSITY (AASHTO T-134). ASPHALTIC PRIME COAT APPLIED AT 0.15 GAL./SF 300 PSI 7-DAY COMPRESSIVE STRENGTH 1.5' FREEBOARD ABOVE THE ESTIMATED SEASONAL HIGH WATER TABLE IS REQUIRED IF LIMEROCK IS SELECTED.
3. 12" COMPACTED SUBGRADE (98% DENSITY) AASHTO T-180 AND LBR 40
4. 18" OF NATIVE OR IMPORTED MATERIAL HAVING LESS THAN 5% PASSING #200 SIEVE COMPACTED

2 NEW PAVEMENT SECTION DETAIL

SCALE: NTS

TETRA TECH
www.tetratech.com
10600 CHEVROLET WAY, SUITE 300
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PHONE: (239) 390-1467 FAX: (407) 839-3790

Timothy A. Vanderwalker, P.E.
P.E. No. 74415, FL
201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429
DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.:	200-74765-18005
Designed By:	JRW
Drawn By:	BMM
Checked By:	

C-505

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Bar Measures 1 inch

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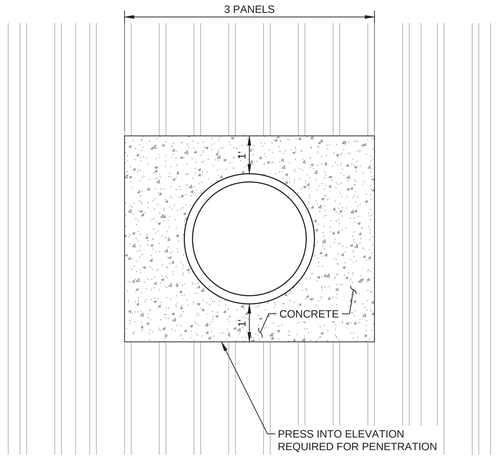
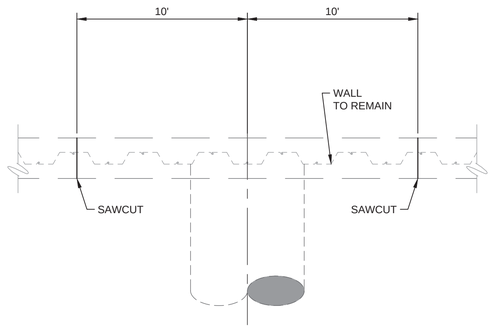
PENETRATION DETAIL



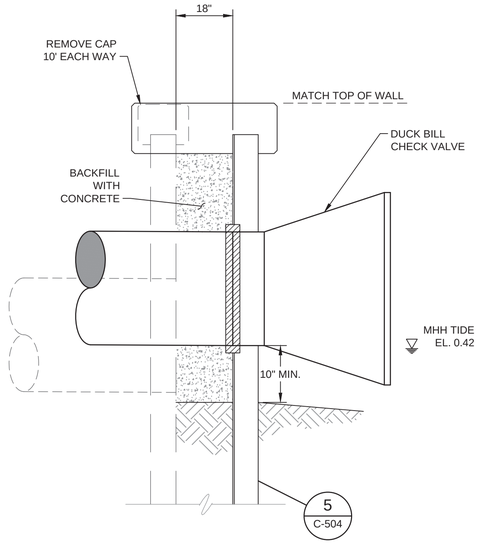
1 **DETAIL**
SCALE: NTS

REPLACEMENT WALL DEMOLITION DETAIL



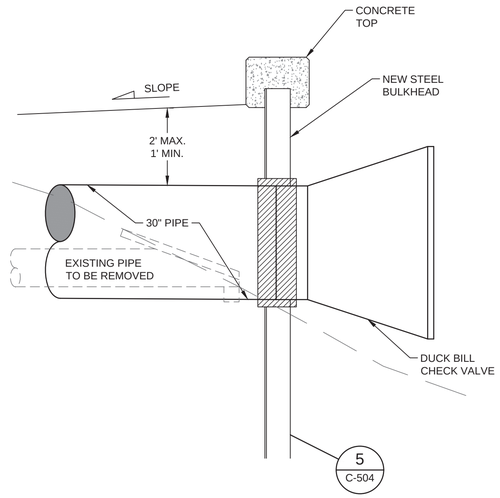
2 **DETAIL**
SCALE: NTS

REPLACEMENT WALL SECTION VIEW



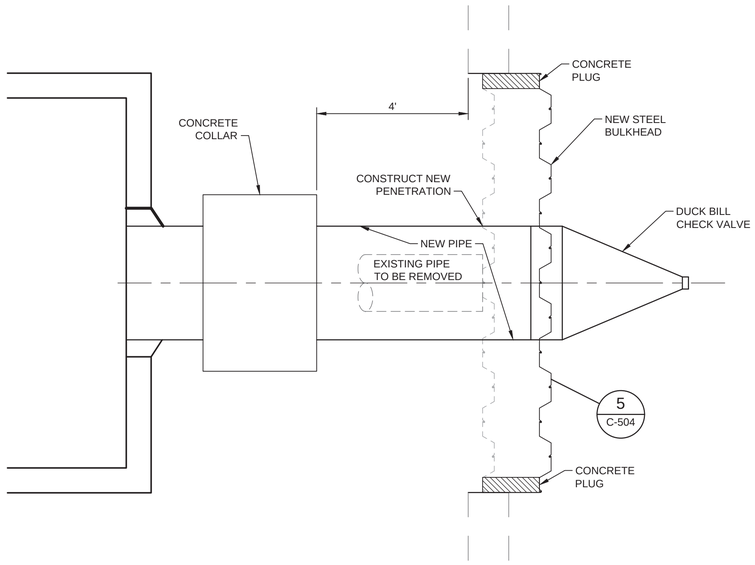
3 **DETAIL**
SCALE: NTS

NEW BULKHEAD



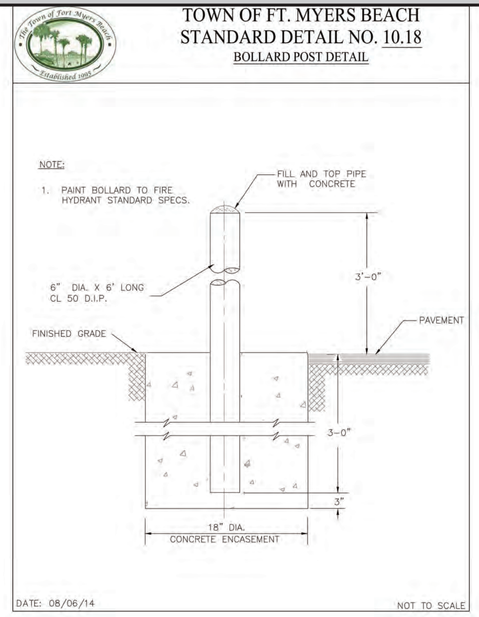
4 **DETAIL**
SCALE: NTS

REPLACEMENT WALL DETAIL



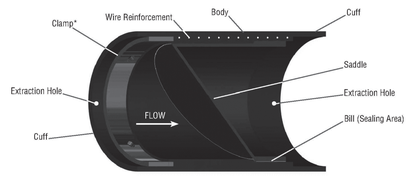
5 **DETAIL**
SCALE: NTS

TOWN OF FORT MYERS BEACH STANDARD DETAIL



6 **DETAIL**
SCALE: NTS

IN-LINE CHECK VALVE / BACK FLOW PREVENTER



7 **RED VALVE COMPANY IN-LINE CHECK VALVE OR APPROVED EQUAL**
SCALE: NTS

TETRA TECH
www.tetratech.com
10600 CHEVROLET WAY, SUITE 300
ESTERO, FL 33928
PHONE: (239) 390-1467 FAX: (407) 839-3790

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	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

DETAILS

Project No.:	200-74765-18005
Designed By:	JRW
Drawn By:	BMM
Checked By:	

C-506

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Bar Measures 1 inch

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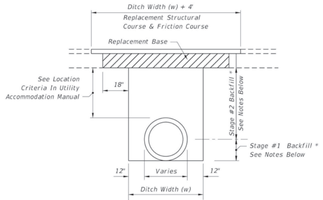
MISCELLANEOUS UTILITY DETAILS (FDOT INDEX 307)



FLEXIBLE PAVEMENT NOTES

PAVEMENT REMOVAL AND REPLACEMENT

Pavement shall be mechanically sawed.

The replacement asphalt shall match the existing structural and friction courses for type and thickness in accordance with current FDOT asphalt mix specifications.

The new base materials shall be either of the same type and composition as the materials removed or of equal or greater structural adequacy (See Index No. 514).

BACKFILL

COMPACTED AND STABILIZED FILL OPTION

Backfill material shall be placed in accordance with Section 125 of the Standard Specifications.

In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.

In Stage #2, construct compacted fill along the sides of the pipe and up to the bottom of the base,with the upper 12" receiving Type B Stabilization. In lieu of Type B Stabilization, the Contractor may construct using Optional Base Group 3.

** FLOWABLE FILL OPTION*

If compaction can not be achieved through normal mechanical methods then flowable fill may be used.

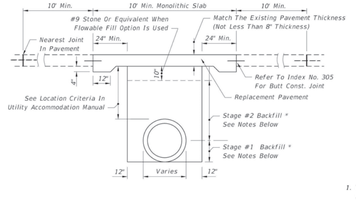
Flowable fill is to be placed in accordance with Section 121 of the Specifications, as approved by the Engineer.

Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer.

In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.

In Stage #2, place flowable fill to the bottom of the existing base course.

FLEXIBLE PAVEMENT CUT



RIGID PAVEMENT NOTES

PAVEMENT REMOVAL AND REPLACEMENT

High early strength cement concrete (3000 psi) meeting the requirements of Standard Specification 346 shall be used for rigid pavement replacement.

Pavement shall be mechanically sawed and restored to conform with existing pavement joints within 12 hours. (See Index No. 305)

GRANULAR BACKFILL

Any edgedrain system that is removed shall be replaced with the same type materials. Any edgedrain system that is damaged shall be repaired with methods approved by the Engineer.

Fill material shall be placed in accordance with the Standard Specifications. Fill material shall be special select soil in accordance with Index No. 505.

In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.

In Stage #2, construct fill along the sides of the pipe and up to the bottom of replacement pavement.

** FLOWABLE FILL OPTION*

If mechanical compaction can not be achieved through normal mechanical methods then flowable fill may be used.

Flowable fill is to be placed in accordance with Section 121 of the Specifications, as approved by the Engineer.

Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer.

In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.

In Stage #2, place flowable fill to the bottom of the stone layer.

RIGID PAVEMENT CUT

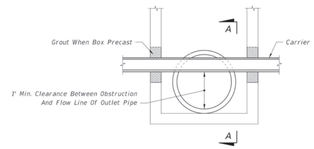
GENERAL NOTES

1. *The details provided in this standard index apply to cases in which jack and bore or directional boring methods are not required by the Engineer.*
2. *Flowable fill shall not be placed directly over loose, or high plastic, or muck material (see Index 505) which will cause settlement due to fill weight. Where highly compressible material exists, the amount, shape and depth of flowable fill must be engineered to prevent pavement settlement.*
3. *These details do not apply to utility cuts longitudinal to the centerline of the roadway which may require the additional use of geotextiles, special bedding and backfill, or other special requirements.*
4. *Method of construction must be approved by the Engineer.*
5. *Some pipe may require special granular backfill up to 6" above top of pipe. Geotextiles may be required to encapsulate the special granular material.*
6. *Where asphalt concrete overlays exist over full slab concrete pavement, the replacement pavement shall have an overlay constructed over the replacement slab. The overlay shall match the existing asphalt pavement thickness. The replacement friction course shall match the existing friction course, except structural course may be used in lieu of dense graded friction course.*
7. *All shoulder pavement, curb, curb and gutter, and their substructure disturbed by utility trench cut construction shall be restored in kind.*
8. *The use of Flowable Fill to reduce the time traffic is taken off a facility is acceptable but must have prior approval by the Engineer. Flowable fill use is allowed only when properly engineered for pavement crossings, whether straight or diagonal, and shall not be installed for significant depths or lengths. The maximum length shall be fifty (50) feet and a maximum depth of six (6) feet unless supported by an engineering document prepared by a registered professional engineer that specializes in soils engineering. The engineering document shall address the evaluation of local groundwater flow interruption and settlement potential.*
9. *Excavatable flowable fill is to be used when the flowable fill option is selected.*

TRENCH CUTS AND RESTORATIONS ACROSS ROADWAYS

1 **DETAIL**
SCALE: NTS

MISCELLANEOUS UTILITY DETAILS (FDOT INDEX 307)

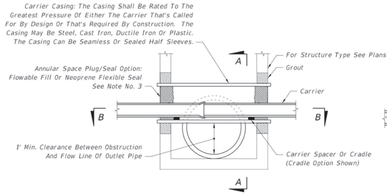


SECTION LONGITUDINAL TO CARRIER PIPE
(Nonpressure Or Nonfluid Carrier Installations)
No Joints Allowed Within Structure

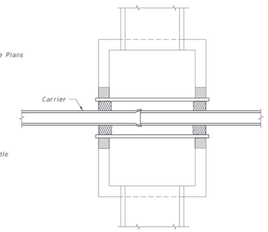
UTILITY CONFLICT CONDITION I

NOTES FOR UTILITY CONFLICT PIPE

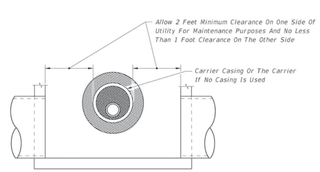
1. *These details are for construction field expediency to resolve utility conflicts that cannot be remedied by relocation. For conflicts determined during design, use the construction shop drawings for structure details.*
2. *Concrete used in conflict structures shall be as specified in ASTM C478. 4000 psi may be used in lieu of Class I concrete.*
3. *Maximum opening for pipe shall be the pipe OD plus 6". Mortar used to seal the pipe into the opening will be of such mix that shrinkage will not cause leakage into or out of the structure.*
4. *If the conflict structure is round or there are multiple inlet or outlet pipes, then the wall section should be reviewed for strength.*
5. *If during construction or the plans design process it is determined that a potable water supply line must pass though a storm drain structure, it must be in compliance with Chapter 62-555.314 (3) F.A.C. and shown on the design or construction plans and submitted to the Florida Department of Environmental Protection (FDEP) Administrator For Drinking Water in the respective FDEP District for review and comment. This index and rule citation provide accepted methods for addressing conflicts when and where they cannot be reasonably avoided. To be submitted along with the plans shall be a justification describing inordinate cost and the impracticality of avoidance. If identified, properly justified, and accomplished in accordance with this index, approval is granted. Upon request, the Utility Agency Owner (UAO) must provide support data on the cost of relocation or adjustment to the FDOT for submittal to the FDEP. See the following web site for District FDEP Drinking Water Contacts: www.dep.state.fl.us/water/drinkingwater/index.htm and click on "Organization" on the menu to the right.*



SECTION LONGITUDINAL TO CARRIER PIPE
(Pressure Or Fluid Carrier Installations)
UTILITY CONFLICT CONDITION II



SECTION BB



DESIGNER'S NOTE

"Sumped" Conflict Manholes Shall Not Be Used Unless The System Is Hydraulically Designed To Account For The Headloss Generated If The Sump Is Completely Blocked

SECTION AA

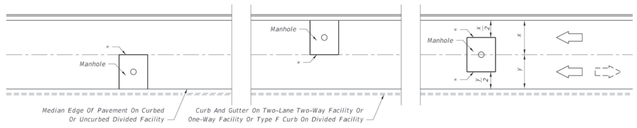
UTILITY CONFLICT PIPES THRU STORM DRAIN STRUCTURES

NOTE:

1. CONTRACTOR TO VERIFY CONFLICT INVERTS AND CROSSING BEFORE ORDERING BOXES TO VERIFY DEPTH AND CONFLICT.

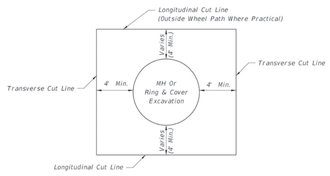
2 **DETAIL**
SCALE: NTS

MISCELLANEOUS UTILITY DETAILS (FDOT INDEX 307)



PLAN VIEW

FOR TWO OR MORE LANES (TWO LANES SHOWN)



PARTIAL CUTS FOR RING AND COVER ADJUSTMENTS

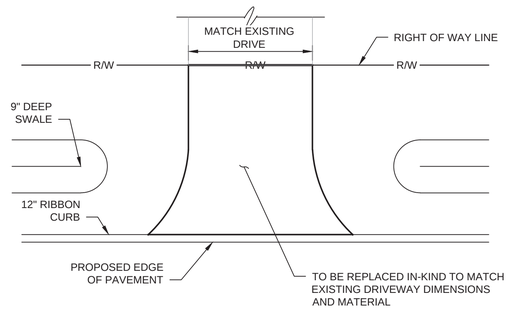
NOTES

1. *No irregular seams are permitted. All seams must be clean sawed.*
2. *Pavement cut seams for underground utility structures in rigid pavement are the same longitudinally, but the transverse seams shall extend to the nearest existing joint.*
3. *See Sheet 1 for replacement pavement.*

NONTRENCH PAVEMENT CUTS FOR UNDERGROUND UTILITY STRUCTURES IN PAVEMENT

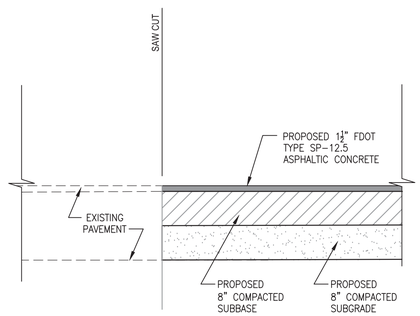
3 **DETAIL**
SCALE: NTS

BITUMINOUS & PAVER DRIVEWAY REPAIR



DRIVEWAY RESTORATION NOTES:

1. DRIVEWAYS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO CONDITIONS WHICH MEET OR IMPROVE PRE-EXISTING CONDITIONS USING LIKE MATERIALS AND THICKNESS. WHERE PIPELINE CONSTRUCTION CROSSES DRIVEWAYS, THE DRIVEWAY MATERIAL SHALL BE REMOVED FROM THE EDGE OF STREET PAVEMENT TO BEYOND THE PIPELINE TRENCH.
2. DRIVEWAYS SHALL BE SAWCUT IN A STRAIGHT LINE, AT THE RIGHT-OF-WAY LINE.
3. EXISTING UNPAVED DRIVEWAYS TO BE REPLACED IN-KIND.
4. PAVERS DRIVEWAYS SHALL BE REMOVED AND RESET.
5. PAVER SHALL BE SET ATOP THE SAME SUBBASE AND SUBGRADE SHOWN IN THE ASPHALT DRIVEWAY SECTION.



BITUMINOUS ASPHALT DRIVEWAY SECTION

4 **DETAIL**
SCALE: NTS

TETRA TECH
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10600 CHEVROLET WAY, SUITE 300
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PHONE: (239) 390-1467 FAX: (407) 839-3790

Timothy A. Vanderwalker, P.E.
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201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH
WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

DETAILS

Project No.:	200-74765-18005
Designed By:	JRW
Drawn By:	BMM
Checked By:	

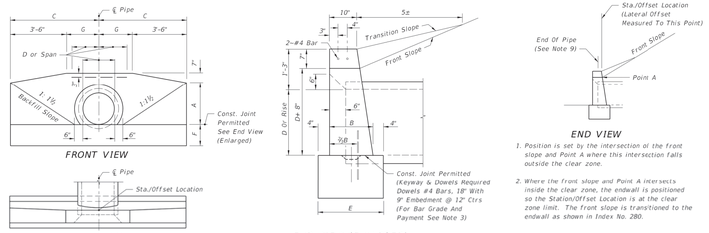
C-507

Copyright: Tetra Tech

Bar Measures 1 inch

2/21/2022 12:00:28 PM - \\TT-LOCAL\ER\PROJECTS\ORLANDO\ER\74765\200-74765-18005\CAD\SHEETFILES\C-501 CIVIL DETAILS_SIDE-STREETS.DWG - MONTALVO, ANGEL

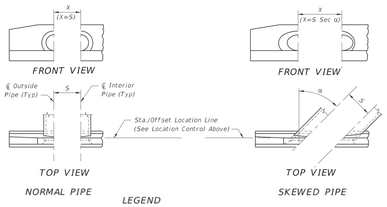
HEADWALL DETAILS (FDOT INDEX 250)



END VIEW (ENLARGED)

END VIEW

ENDWALL DIMENSIONS (EXCLUSIVE OF MULTIPLE PIPE SPACING)



LEGEND

α Pipe Skew
S Center To Center Pipe Spacing
X Centerline To Centerline Dimension At Face Of Headwall

PIPE AND SPACING FOR MULTIPLE PIPE
ENDWALL POSITIONS FOR SINGLE AND MULTIPLE

STANDARD
LOCATION CONTROL

GENERAL NOTES

1. Endwall dimensions, locations and positions are for round and elliptical concrete pipe and for round and pipe-arch corrugated metal pipe. Round concrete pipe shown.
2. Front slope and ditch transitions shall be in accordance with Index No. 280.
3. Endwalls may be cast in place or precast concrete. Reinforcing steel shall be Grades 40 or 60. Additional reinforcement necessary for handling precast units shall be determined by the Contractor or the supplier. Cost of reinforcement shall be included in the contract unit price for Concrete, (Endwalls).
4. All exposed corners and edges of concrete are to be chamfered ¾".
5. Concrete shall be Class I, except ASTM C478 (4000 psi) concrete may be substituted for precast items manufactured in plants meeting the requirements of Section 449 of the Specifications.
6. On outfall ditches with side slopes flatter than 1:1½ provide 20 transitions from the endwall to the flatter side slopes, right of way permitting.
7. For sodding around endwalls see Index No. 281.
8. Payment for concrete quantities for endwalls skewed to the pipe shall be made on the following basis:

Endwall Skew to Pipe	Use Tabulated Value
0° to 5°	0°
6°	15°
16°	30°
31° or over	45°

9. Pipe length plan quantities shall be based on the pipe end locations shown in the standard location control end view, or lengths based on special endwall locations called for in the plans.
10. Payment for pipe in pipe culverts shall be based on plan quantities, adjusted for endwall locations subsequently established by the Engineer.
11. Endwalls to be paid for under the contract unit price for Class I Concrete (Endwalls), CY.

1 **DETAIL**
SCALE: NTS

HEADWALL DETAILS (FDOT INDEX 250)

DATA AND ESTIMATED QUANTITIES FOR ONE ENDWALL

ROUND CONCRETE AND CORRUGATED METAL PIPE

D	Opening Area (SF)	Number Of Pipes	Dimensions							Class I Concrete (CY)																						D
										Single	Double				Triple				Quadruple														
										Number Of Type Of Pipe And Skew Angle Of Pipe																							
											Concrete				Metal				Concrete				Metal				Concrete				Metal		
	1	2	3	4	A	B	C	E	F	G	S	X																				
												0°	0°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°	
15"	1.23	2.46	3.69	4.92	1'-11"	1'-2"	4'-0"	1'-10"	1'-2"	0'-6"	2'-7"	2'-7"	2'-8"	3'-0"	3'-8"	1.23	1.24	1.59	1.60	1.65	1.74	1.62	1.63	1.68	1.78	1.94	1.96	2.05	2.23	1.99	2.02	2.11	2.30	2.30	2.34	2.47	2.74	2.37	2.41	2.75	2.84	15"
18"	1.77	3.54	5.31	7.08	2'-2"	1'-3"	4'-6"	1'-11"	1'-3"	1'-0"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"	1.56	1.59	1.99	2.01	2.06	2.17	2.04	2.06	2.11	2.23	2.43	2.46	2.56	2.79	2.51	2.54	2.65	2.89	2.86	2.91	3.06	3.40	2.96	3.01	3.17	3.53	18"
21"	2.41	4.82	7.23	9.64	2'-5"	1'-4"	5'-0"	2'-0"	1'-4"	1'-6"	3'-2"	3'-2"	3'-3"	3'-8"	4'-6"	1.97																										21"
24"	3.14	6.28	9.42	12.56	2'-8"	1'-4"	5'-6"	2'-0"	1'-4"	2'-0"	3'-5"	3'-5"	3'-6"	3'-11"	4'-10"	2.24	2.29	2.82	2.84	2.91	3.06	2.91	2.93	3.01	3.17	3.39	3.43	3.57	3.87	3.52	3.56	3.71	4.03	3.97	4.03	4.24	4.69	4.14	4.20	4.43	4.91	24"
27"	3.98	7.96	11.94	15.92	2'-11"	1'-5"	6'-0"	2'-1"	1'-5"	2'-6"	3'-10"	3'-10"	4'-0"	4'-5"	5'-5"	2.73																										27"
30"	4.91	9.82	14.73	19.64	3'-2"	1'-6"	6'-6"	2'-2"	1'-6"	3'-0"	4'-3"	4'-3"	4'-5"	4'-11"	6'-0"	3.26	3.34	4.13	4.16	4.26	4.49	4.28	4.31	4.43	4.67	4.98	5.04	5.25	5.69	5.20	5.27	5.49	5.97	5.84	5.93	6.24	6.91	6.13	6.23	6.56	7.29	30"
36"	7.07	14.14	21.21	28.28	3'-8"	1'-8"	7'-6"	2'-4"	1'-8"	4'-0"	5'-1"	5'-1"	5'-3"	5'-10"	7'-2"	4.53	4.64	5.73	5.77	5.92	6.23	5.95	6.00	6.15	6.49	6.92	7.00	7.29	7.91	7.25	7.34	7.65	8.33	8.13	8.26	8.69	9.62	8.57	8.71	9.18	10.20	36"
42"	9.62	19.24	28.86	38.48	4'-2"	1'-10"	8'-6"	2'-6"	1'-10"	4'-6"	6'-0"	6'-0"	6'-3"	6'-11"	8'-6"	6.33	6.49	8.11	8.17	8.39	8.85	8.43	8.50	8.73	9.23	9.90	10.02	10.45	11.38	10.38	10.52	10.98	11.99	11.68	11.87	12.53	13.89	12.32	12.52	13.22	14.73	42"
48"	12.57	25.14	37.71	50.28	4'-8"	2'-1"	9'-6"	2'-9"	2'-0"	5'-0"	6'-9"	6'-9"	7'-0"	7'-10"	9'-7"	8.15	8.38	10.40	10.48	10.75	11.33	10.85	10.94	11.23	11.87	12.64	12.80	13.34	14.50	13.34	13.51	14.11	15.39	14.89	15.13	15.93	17.68	15.82	16.08	16.97	18.90	48"
54"	15.90	31.80	47.70	63.60	5'-2"	2'-6"	10'-6"	3'-2"	2'-3"	5'-7"	7'-8"	7'-8"	7'-11"	8'-10"	10'-10"	11.71	11.77	15.23	15.35	15.78	16.69	15.35	15.48	15.90	16.83	18.77	19.02	19.86	21.69	18.93	19.18	20.04	21.89	22.29	22.66	23.93	26.67	22.51	22.89	24.17	26.96	54"

CORRUGATED METAL PIPE ARCH

Span	Rise	Opening Area (SF)	Number Of Pipes				Dimensions							Class I Concrete (CY)												Span	Rise	Approx. Equiv. Round Pipe
														Number Of Pipe And Skew Angle Of Pipe														
			1	2	3	4	A	B	C	E	F	G	S	X				Single	Double			Triple				Quadruple						
														0°	15°	30°	45°	0°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°			
17"	13"	1.1	2.2	3.3	4.4	1'-9"	1'-2"	3'-10"	1'-10"	1'-2"	0'-4"	2'-6"	2'-7"	2'-11"	3'-6"	1.16	1.47	1.48	1.52	1.60	1.78	1.80	1.88	2.04	2.09	2.12	2.22	2.23	2.48	17"	13"	15"
21"	15"	1.6	3.2	4.8	6.4	1'-11"	1'-2"	4'-3"	1'-10"	1'-2"	0'-9"	2'-10"	2'-10"	2'-11"	3'-3"	1.33	1.69	1.70	1.75	1.84	2.04	2.06	2.15	2.33	2.40	2.44	2.57	2.84	2.81	21"	15"	18"
28"	20"	2.8	5.6	8.4	11.2	2'-4"	1'-3"	5'-2"	1'-11"	1'-3"	1'-8"	3'-5"	3'-5"	3'-6"	3'-11"	4'-10"	1.78	2.31	2.33	2.39	2.53	2.83	2.87	2.99	3.26	3.36	3.42	3.60	4.01	28"	20"	24"
35"	24"	4.3	8.6	12.9	17.2	2'-8"	1'-4"	5'-11½"	2'-0"	1'-4"	2'-5½"	4'-2"	4'-2"	4'-3"	5'-8"	2.34	3.03	3.05	3.14	3.32	3.72	3.77	3.93	4.29	4.40	4.47	4.72	5.23	5.25	35"	24"	30"
42"	29"	5.9	11.8	17.7	23.6	3'-1"	1'-5"	6'-10½"	2'-1"	1'-5"	3'-4½"	4'-9"	4'-9"	4'-11"	5'-6"	6'-9"	3.13	4.06	4.09	4.20	4.45	4.99	5.06	5.28	5.76	5.93	6.03	6.36	7.09	7.09	42"	29"	36"
49"	33"	8.4	16.8	25.2	33.6	3'-5"	1'-6"	7'-8"	2'-2"	1'-6"	4'-2"	5'-6"	5'-6"	5'-8"	6'-4"	7'-9"	3.83	5.00	5.04	5.18	5.48	6.16	6.24	6.52	7.12	7.32	7.44	7.86	8.76	8.76	49"	33"	42"
57"	38"	10.6	21.2	31.8	42.4	3'-10"	1'-7"	8'-7½"	2'-3"	1'-7"	5'-1½"	6'-4"	6'-4"	6'-7"	7'-4"	8'-11"	4.87	6.31	6.36	6.53	6.91	7.74	7.84	8.18	8.93	9.18	9.33	9.85	10.96	10.96	57"	38"	48"
64"	43"	13.2	26.4	39.6	52.8	4'-3"	1'-8"	9'-6½"	2'-4"	1'-8"	6'-0½"	7'-1"	7'-1"	7'-4"	8'-2"	10'-0"	5.88	7.64	7.70	7.91	8.37	9.40	9.52	9.94	10.86	11.15	11.33	11.97	13.33	13.33	64"	43"	54"
71"	47"	16.9	33.8	50.7	67.6	4'-7"	1'-10"	10'-4"	2'-6"	2'-0"	6'-10"	7'-10"	7'-10"	8'-1"	9'-1"	11'-1"	7.80	10.15	10.23	10.51	11.12	12.49	12.65	13.22	14.43	14.85	15.10	15.94	17.77	17.77	71"	47"	60"

Note: Use the guidelines of General Note No. 8 for selecting tabular quantities.

CONCRETE ELLIPTICAL PIPE

Rise	Span	Opening Area (SF)	Number Of Pipes				Dimensions							Class I Concrete (CY)												Rise	Span	Approx. Equiv. Round Pipe
														Number Of Pipe And Skew Angle Of Pipe														
			1	2	3	4	A	B	C	E	F	G	S	X				Single	Double			Triple				Quadruple						
														0°	15°	30°	45°	0°	0°	15°	30°	45°	0°	15°	30°	45°	0°	15°	30°	45°			
12"	18"	1.3	2.6	3.9	5.2	1'-8"	1'-2"	3'-9"	1'-10"	1'-2"	0'-3"	2'-10"	2'-10"	2'-11"	3'-3"	4'-0"	1.09	1.45	1.46	1.51	1.60	1.80	1.82	1.91	2.09	2.16	2.20	2.33	2.60	12"	18"	15"
14"	23"	1.8	3.6	5.4	7.2	1'-10"	1'-3"	4'-2½"	1'-11"	1'-3"	8½"	3'-5"	3'-5"	3'-6"	3'-11"	4'-10"	1.36	1.82	1.84	1.89	2.01	2.29	2.32	2.43	2.68	2.75	2.80	2.97	3.33	14"	23"	18"
19"	30"	3.3	6.6	9.9	13.2	2'-3"	1'-4"	5'-1½"	2'-0"	1'-4"	1'-1½"	4'-2"	4'-2"	4'-4"	4'-10"	5'-11"	1.89	2.55	2.57	2.65	2.82	3.22	3.27	3.41	3.77	3.88	3.95	4.19	4.70	19"	30"	24"
24"	38"	5.1	10.2	15.3	20.4	2'-8"	1'-5"	6'-3"	2'-1"	1'-5"	2'-0"	5'-2"	5'-2"	5'-4"	6'-0"	7'-4"	2.64	3.55	3.58	3.69	3.93	4.48	4.54	4.77	5.24	5.39	5.49	5.82	6.53	24"	38"	30"
29"	45"	7.4	14.8	22.2	29.6	3'-1"	1'-6"	7'-0"	2'-2"	1'-6"	3'-6"	6'-0"	6'-0"	6'-3"	6'-11"	8'-6"	3.32	4.48	4.52	4.66	4.96	5.64	5.72	6.00	6.60	6.80	6.92	7.34	8.24	29"	45"	36"
34"	53"	10.2	20.4	30.6	40.8	3'-6"	1'-7"	7'-11½"	2'-3"	1'-7"	4'-5½"	7'-1"	7'-1"	7'-4"	8'-2"	10'-0"	4.24	5.76	5.81	6.00	6.39	7.29	7.40	7.76	8.55	8.81	8.97	9.52	10.70	34"	53"	42"
38"	60"	12.9	25.8	38.7	51.6	3'-10"	1'-8"	8'-9"	2'-4"	1'-8"	5'-3"	7'-11"	7'-11"	8'-2"	9'-2"	11'-2"	5.22	7.16	7.23	7.46	7.96	9.10	9.24	9.70	10.71	11.05	11.25	11.95	13.46	38"	60"	48"
43"	68"	16.6	33.2	49.8	66.4	4'-3"	1'-10"	9'-8½"	2'-6"	1'-10"	6'-2½"	8'-10"	8'-10"	9'-2"	10'-2"	12'-6"	6.63	9.01	9.09	9.38	10.00	11.39	11.56	12.13	13.36	13.77	14.02	14.88	16.73	43"	68"	54"
48"	76"	20.5	41.0	61.5	82.0	4'-8"	2'-1"	10'-8"	2'-9"	2'-0"	7'-2"	9'-9"	9'-9"	10'-1"	11'-3"	13'-9"	8.66	11.74	11.85	12.22	13.02	14.82	15.04	15.77	17.37	17.91	18.23	19.34	21.74	48"	76"	60"
53"	83"	24.8	49.6	74.4	99.2	5'-1"	2'-4"	11'-7"	3'-2"	2'-4"	8'-1"	10'-7"	10'-7"	10'-11"	12'-3"	15'-0"	12.50	16.98	16.98	17.67	18.83	21.47	21.78	22.86	25.18	25.97	26.44	28.06	31.55	53"	83"	66"
58"	91"	29.5	59.0	88.5	118.0	5'-6"	2'-10"	12'-6½"	3'-6"	2'-10"	9'-0½"	11'-4"	11'-4"	11'-9"	13'-1"	16'-0"	16.46	22.26	22.46	23.16	24.66	28.05	28.46	29.85	32.85	33.85	34.46	36.55	41.05	58"	91"	72"

2 **DETAIL**
SCALE: NTS

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201 East Pine Street, Suite 1000
Orlando, Florida 32801
Engineering Business No. 2429

DATE

MARK	DATE	DESCRIPTION	BY
	8/15/22	ADDENDUM #1	TAV

TOWN OF FORT MYERS BEACH

WATER AND STORMWATER SYSTEM IMPROVEMENTS
ESTERO BOULEVARD PHASE 3 JOINT OUTFALLS

CIVIL DETAILS

Project No.:	200-74765-18005
Designed By:	JRW
Drawn By:	BMM
Checked By:	

C-508

Copyright: Tetra Tech

Bar Measures 1 inch

2/21/2022 11:38:36 AM - \\TT-LOCAL\ER\PROJECTS\ORLANDO\ER\74765\200-74765-18005\CAD\SHEETFILES\C-501 CIVIL DETAILS_SIDE-STREETS.DWG - MONTALVO, ANGEL