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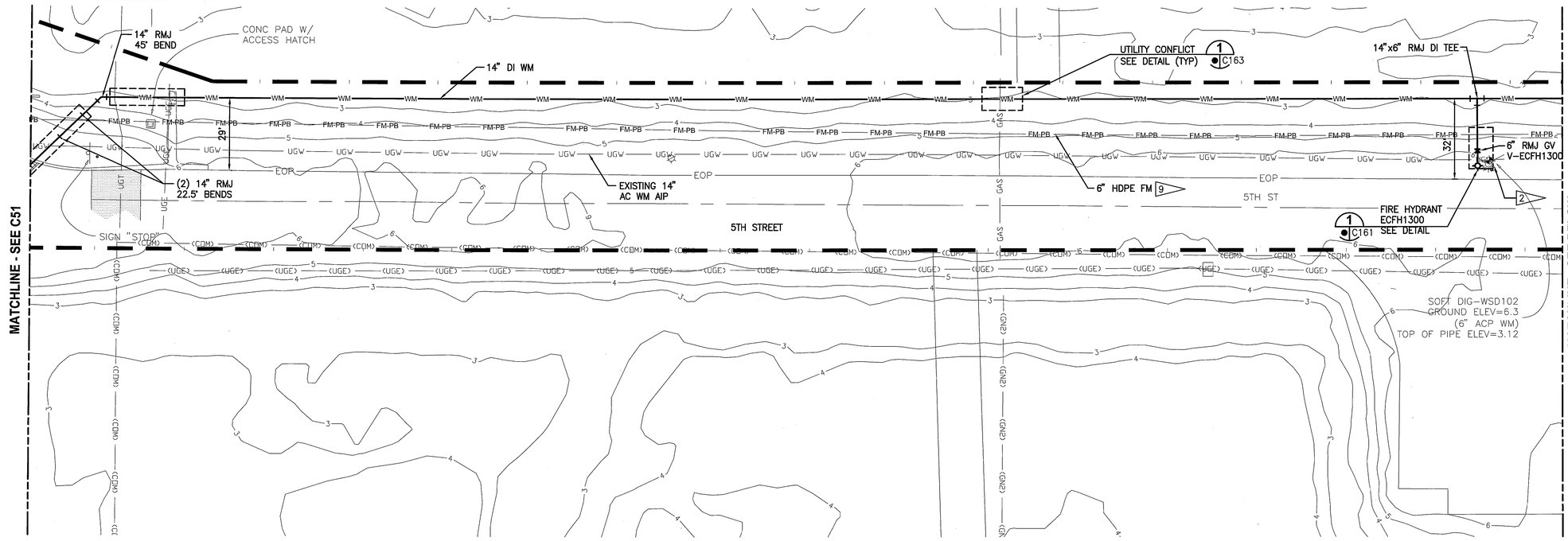
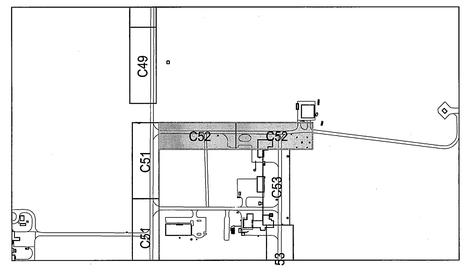


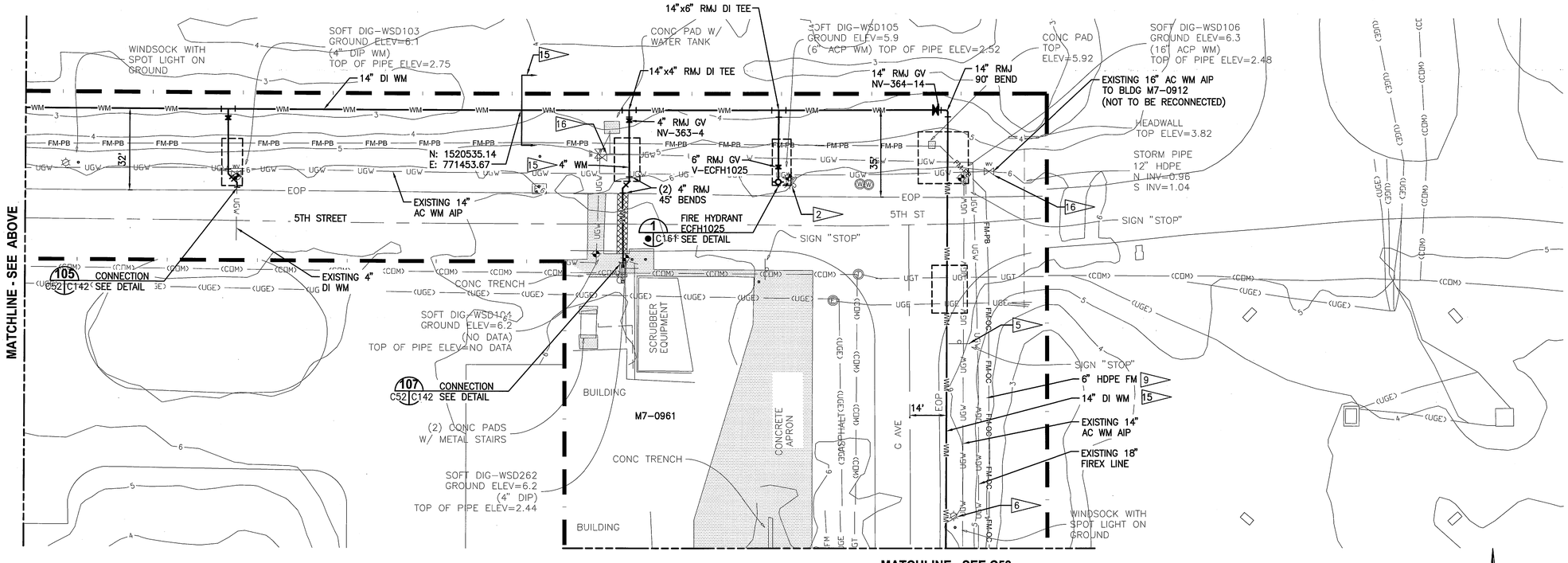
5TH STREET PLAN
1"=20'



KEY MAP
NTS

NOTE:

SEE SHEETS C165–C169 FOR G AVENUE ROADWAY REPAVING PLANS.



5TH STREET & G AVENUE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES		DATE
DRAWN	P. SIMMS	10/31/11
CHECKED	M. CLARK	10/31/11
SUBMITTED	R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875		
APPROVED	M. CLARK	10/31/11
	K. MILLER	11/1/11

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 61	

C52

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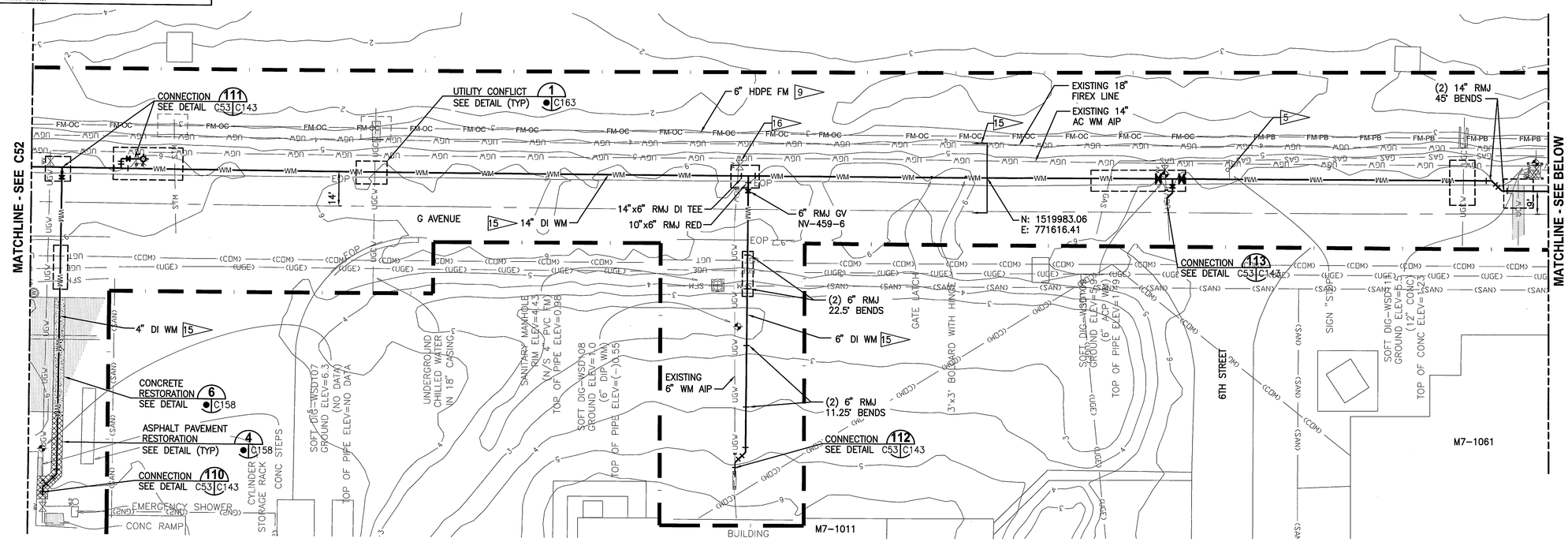
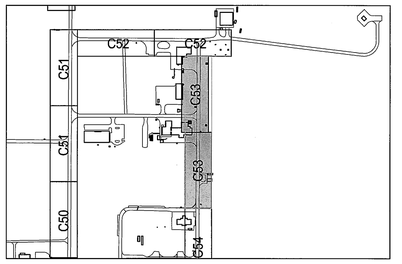


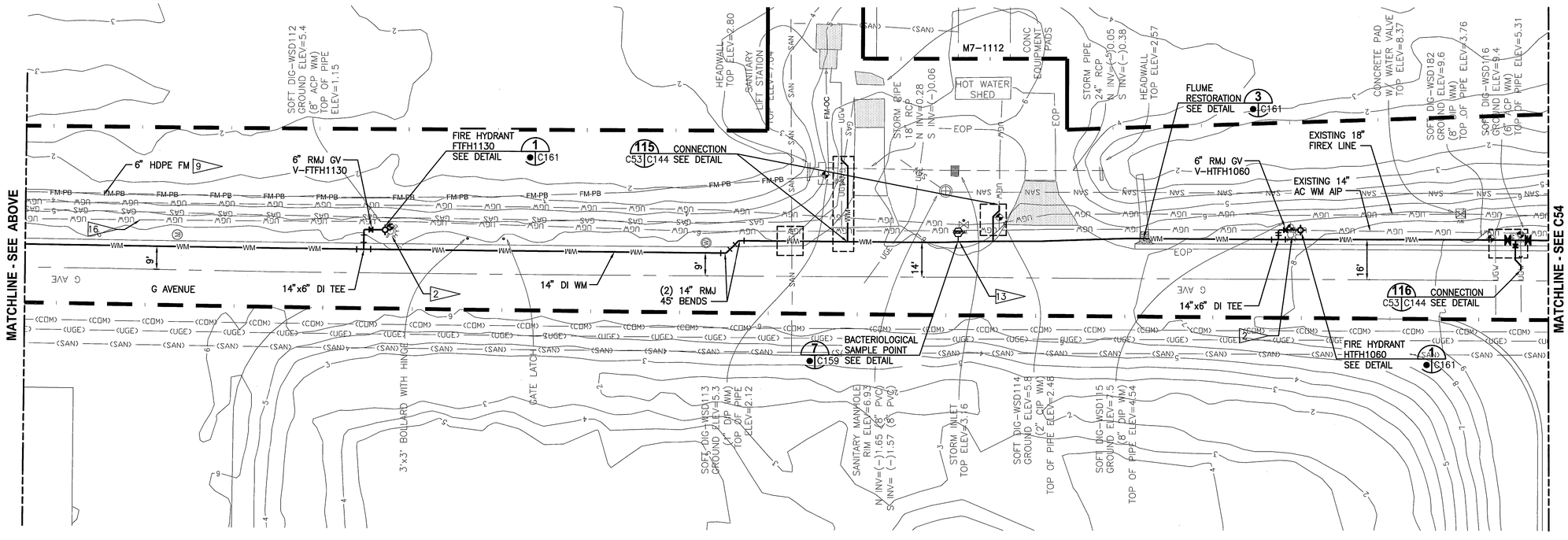
G AVENUE & 6TH STREET PLAN
1"=20'



KEY MAP
NTS

NOTE:

SEE SHEETS C165-C169 FOR G AVENUE ROADWAY REPAVING PLANS.



G AVENUE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	12/05/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	12/05/11
CHECKED M. CLARK	12/05/11
SUBMITTED R. BEST	12/05/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	12/09/11
K. MILLER	12/5/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 62	

C53

C FORM 1-11 (3/76)(C/G 3/94)

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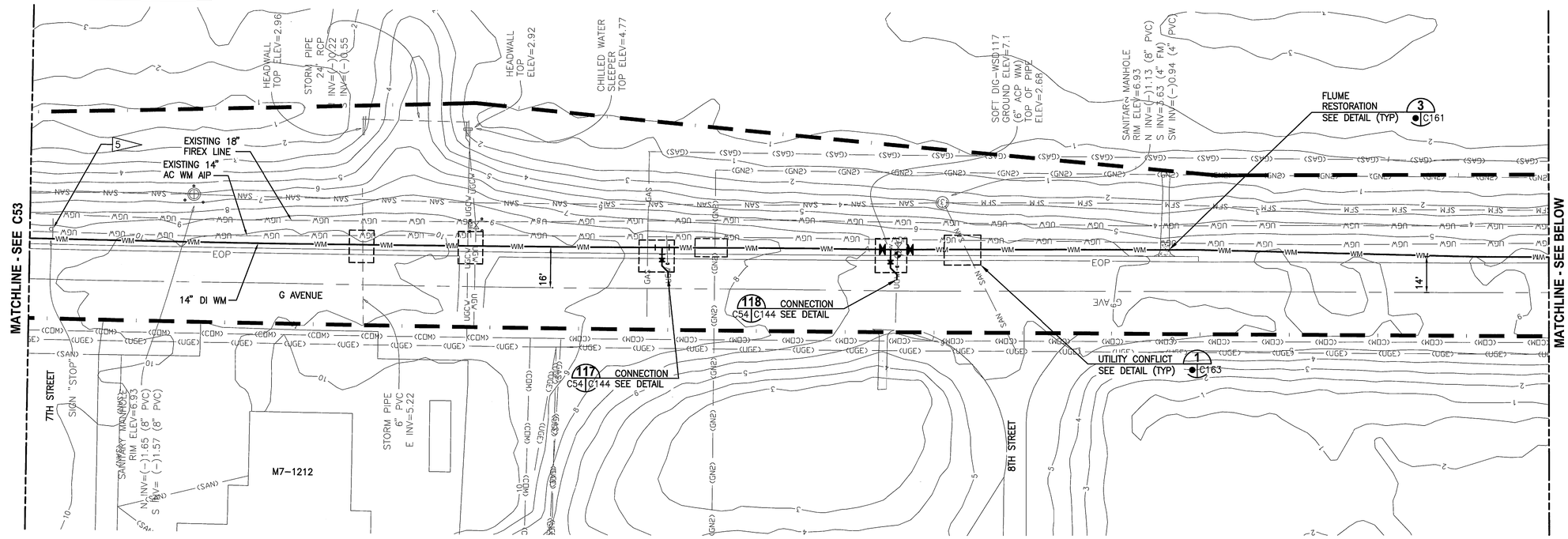
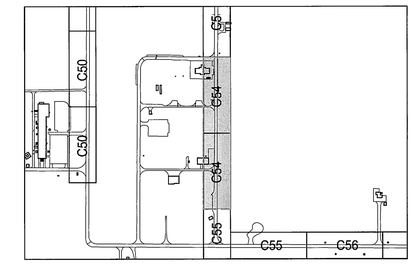


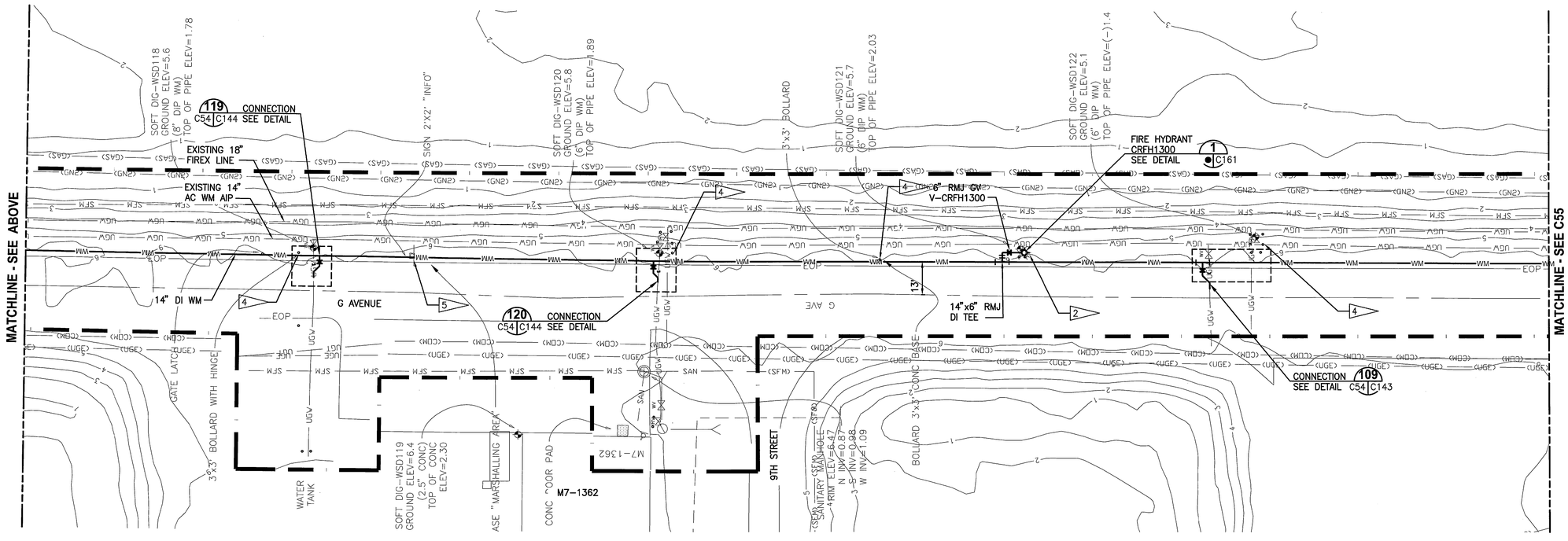
G AVENUE PLAN
1"=20'



KEY MAP
NTS

NOTE:

SEE DRAWINGS C166–C170 FOR G AVENUE ROADWAY REPAVING PLANS.



G AVENUE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	12/05/11	KM

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	12/05/11
CHECKED M. CLARK	12/05/11
SUBMITTED R. BEST	12/05/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	12/06/11
K. MILLER	12/6/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 63	

C54

FORM 1-11 (3/76)(C/G 3/94)

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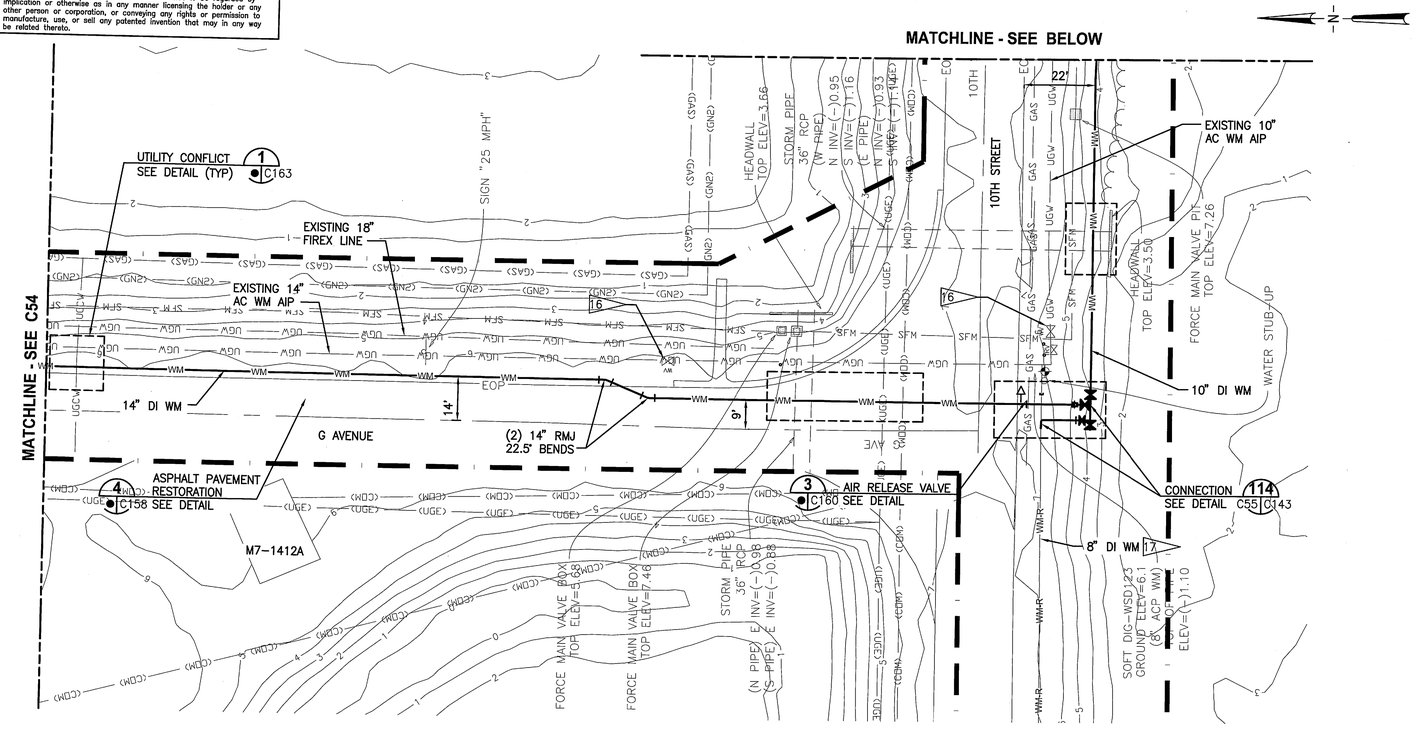
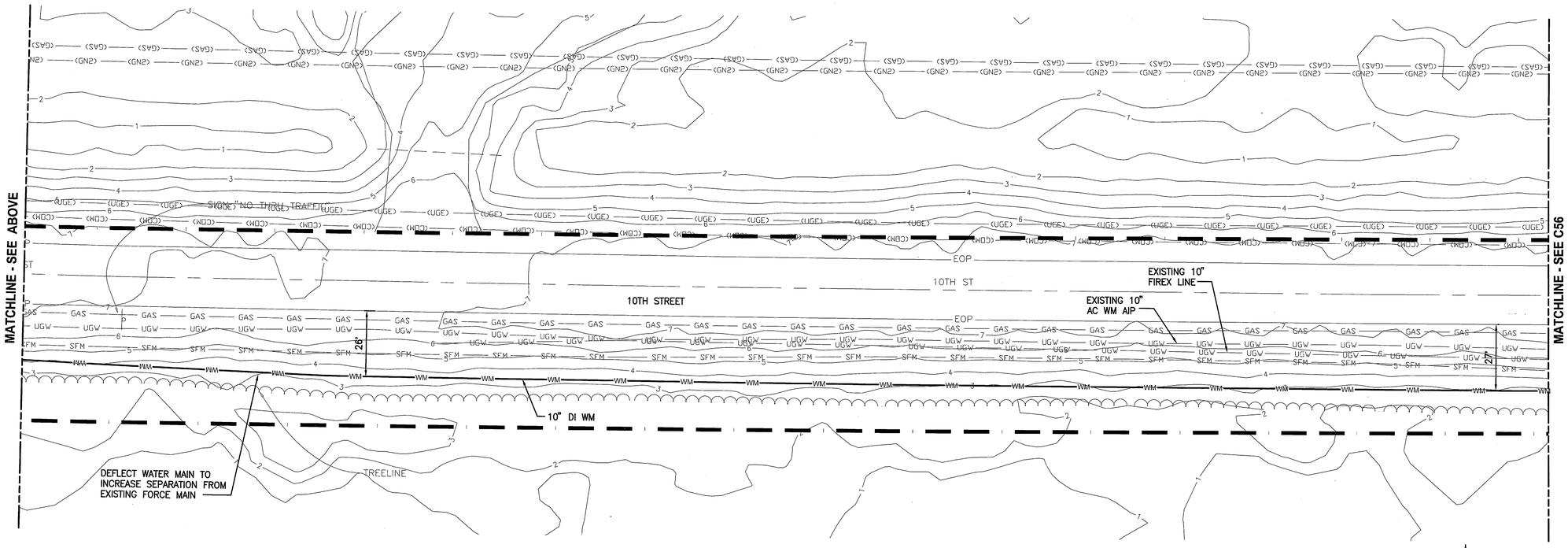
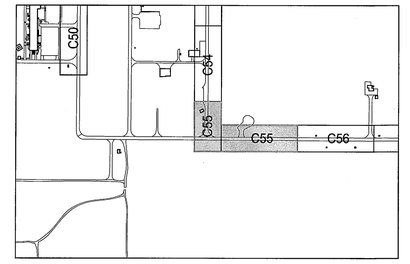


G AVENUE & 10TH STREET PLAN
1"=20'



10TH STREET PLAN
1"=20'



KEY MAP
NTS

NOTE:

SEE SHEETS C165–C169 FOR G AVENUE ROADWAY REPAVING PLANS.

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 64	

C55

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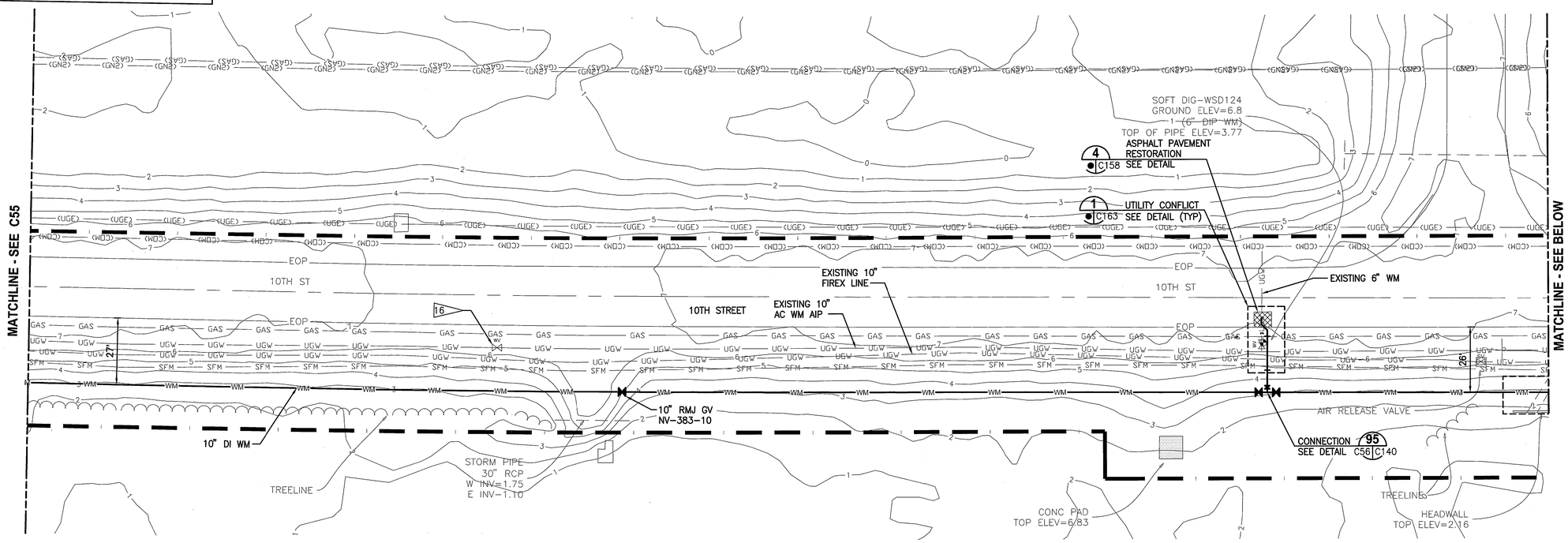
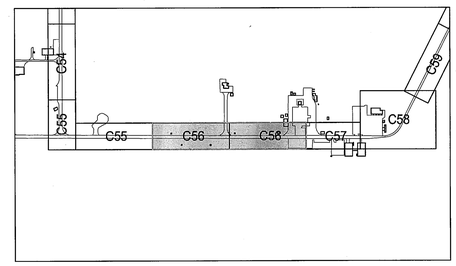
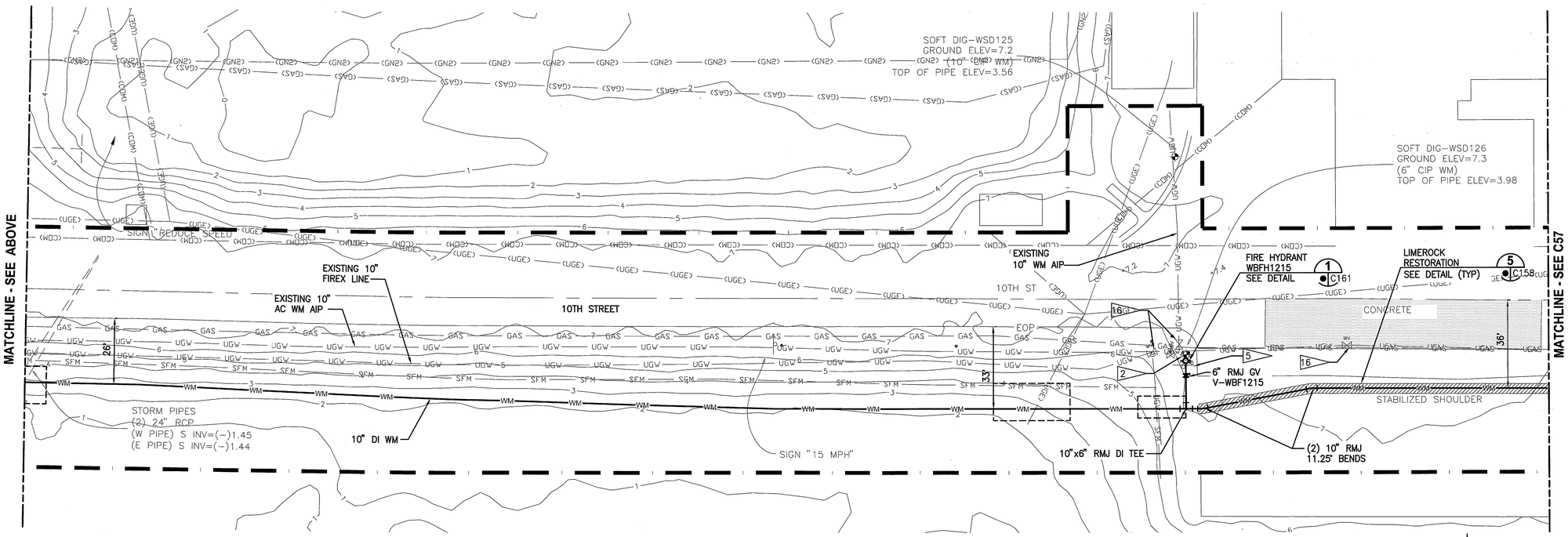


10TH STREET PLAN
1"=20'



KEY MAP
NTS



10TH STREET PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

-N-

C56

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REVISIONS

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SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 65	

FORM 1-11 (3/76)(C/G 3/94)

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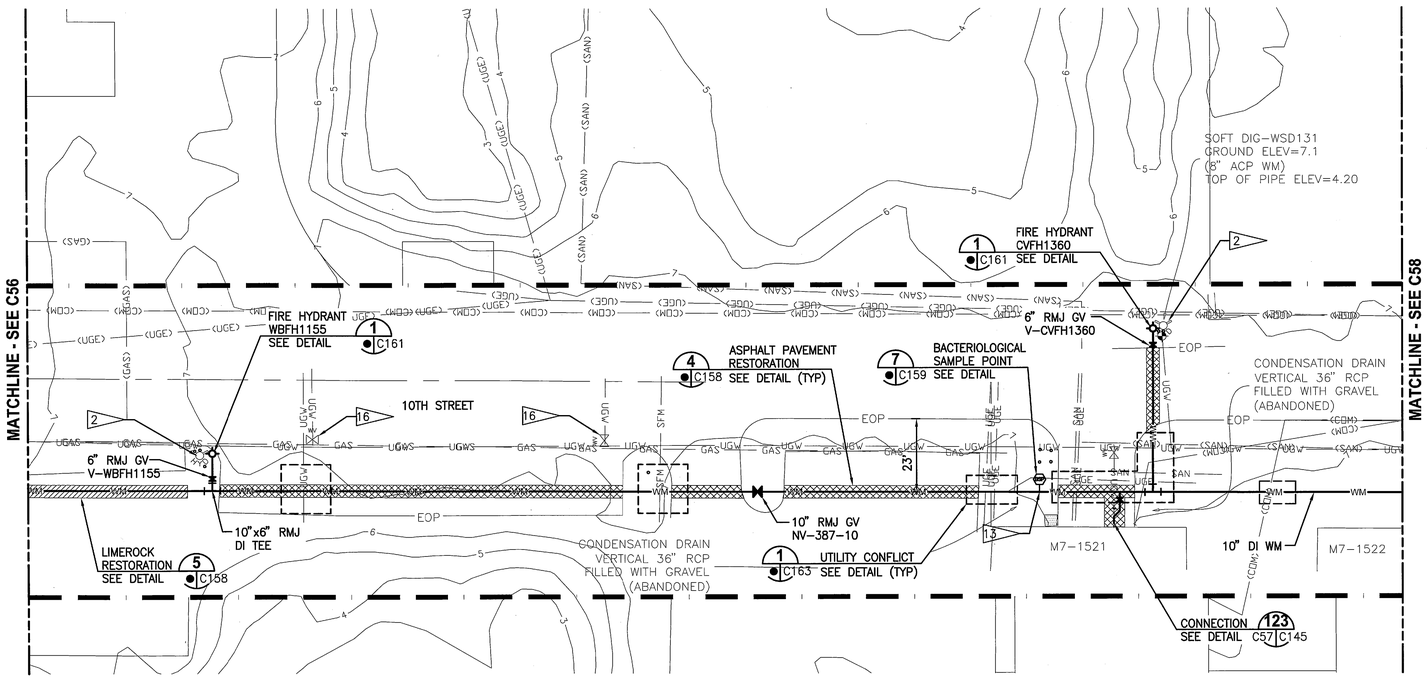
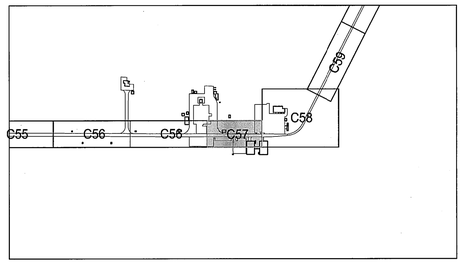


10TH STREET PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

-N-

C57

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
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SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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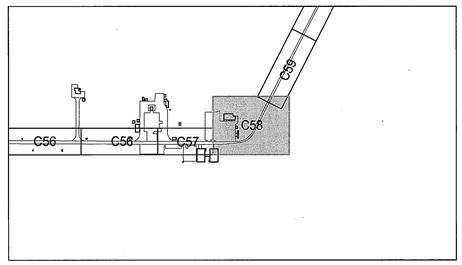
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 | SHEET 66

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.



KEY MAP
NTS

MATCHLINE - SEE C59

MATCHLINE - SEE C57

M7-1472

M7-1522

10TH STREET

BANANA RIVER DR

TREELINE

20'

10" DI WM

EXISTING 10" AC WM AIP

10" RMJ 11.25° BEND

10" RMJ 45° BEND

SIGN "INFO"

ELECT MARKERS

CONC PAD W/ WATER TANK

SOFT DIG-WSD132
GROUND ELEV=4.9
(12" PVC WM)
TOP OF PIPE ELEV=2.47

SOFT DIG-WSD133
GROUND ELEV=3.6
(12" PVC WM)
TOP OF PIPE ELEV=0.18

SOFT DIG-WSD130
GROUND ELEV=6.6
(4" PVC WM)
TOP OF PIPE ELEV=4.36

CONCRETE SIDEWALK RESTORATION SEE DETAIL 7 C158

CONNECTION SEE DETAIL 125 C58 C145

EXISTING WATER TANK TO BE ABANDONED IN PLACE

SIGN "NO PARKING"

10" RMJ GV NV-391-10

(2) 10" RMJ 22.5° BENDS

CONNECTION SEE DETAIL 124 C58 C145

UTILITY CONFLICT SEE DETAIL (TYP) 1 C163

10TH STREET & BANANA RIVER DRIVE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

-N-

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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JOHN F. KENNEDY SPACE CENTER, NASA
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 67

C58

CSC FORM 1-11 (3/76)(C/G 3/94)

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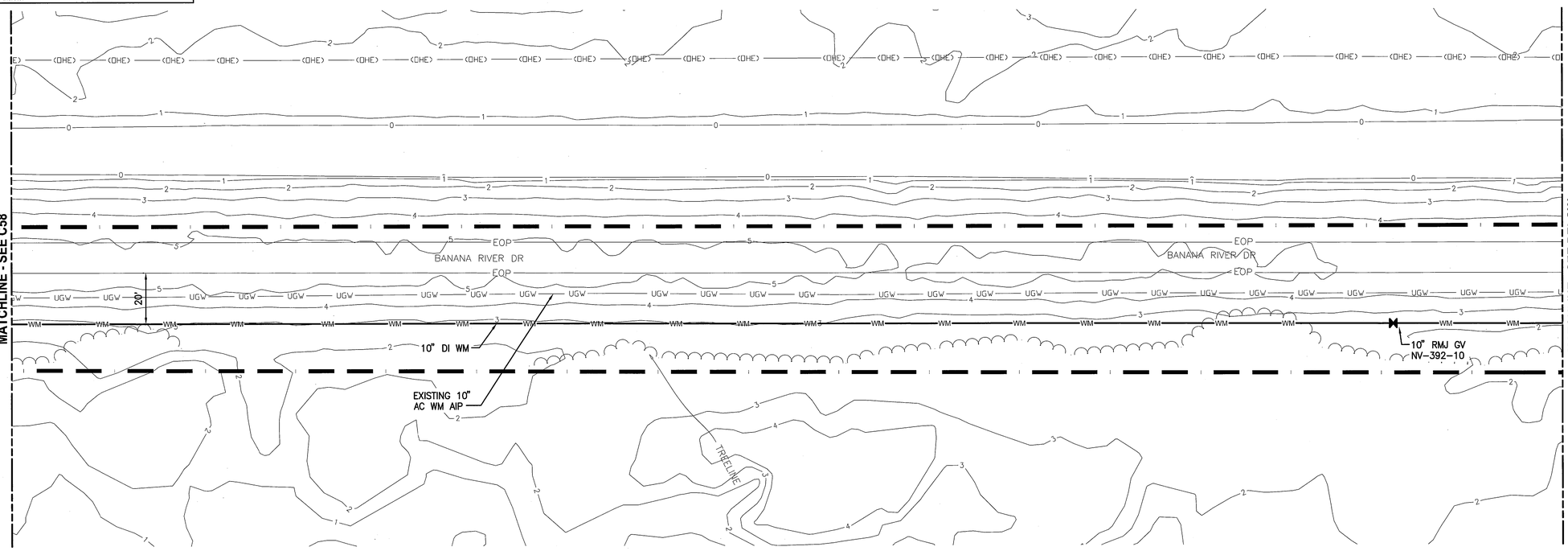
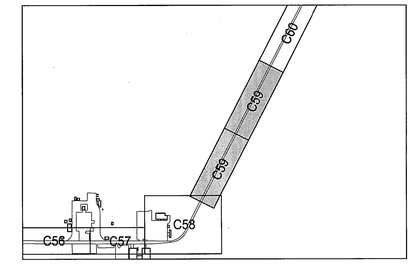
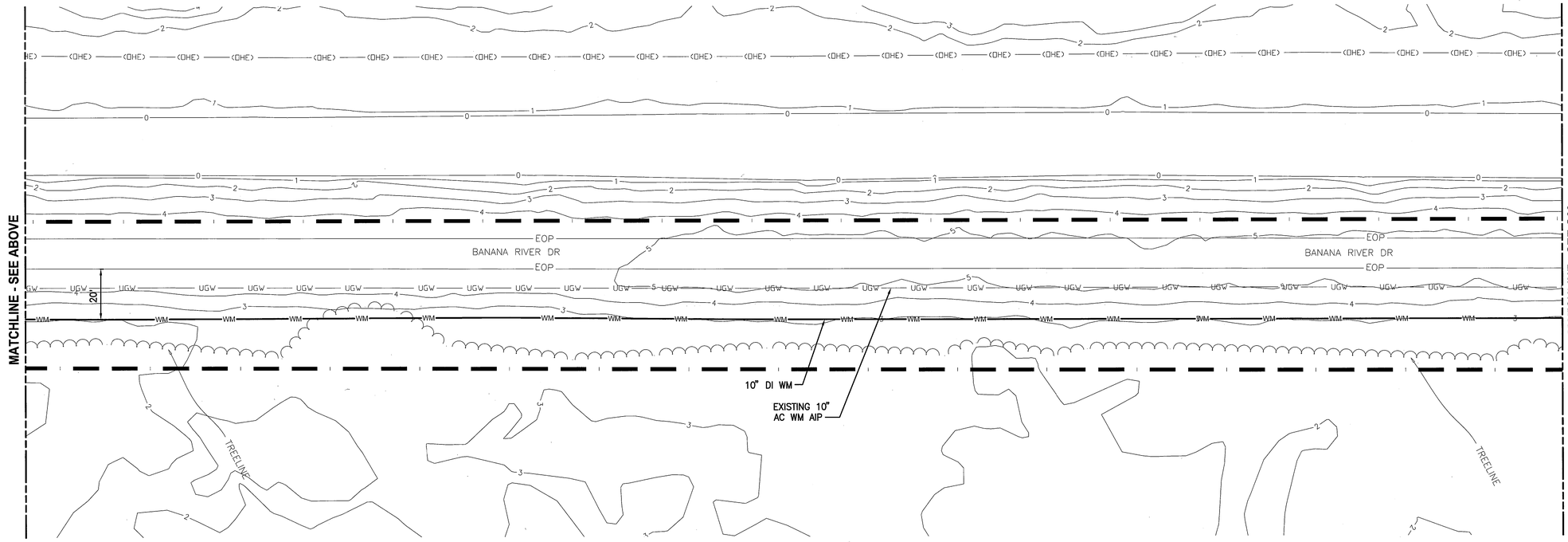


BANANA RIVER DRIVE PLAN
1"=20'



KEY MAP
NTS



BANANA RIVER DRIVE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 68

C59

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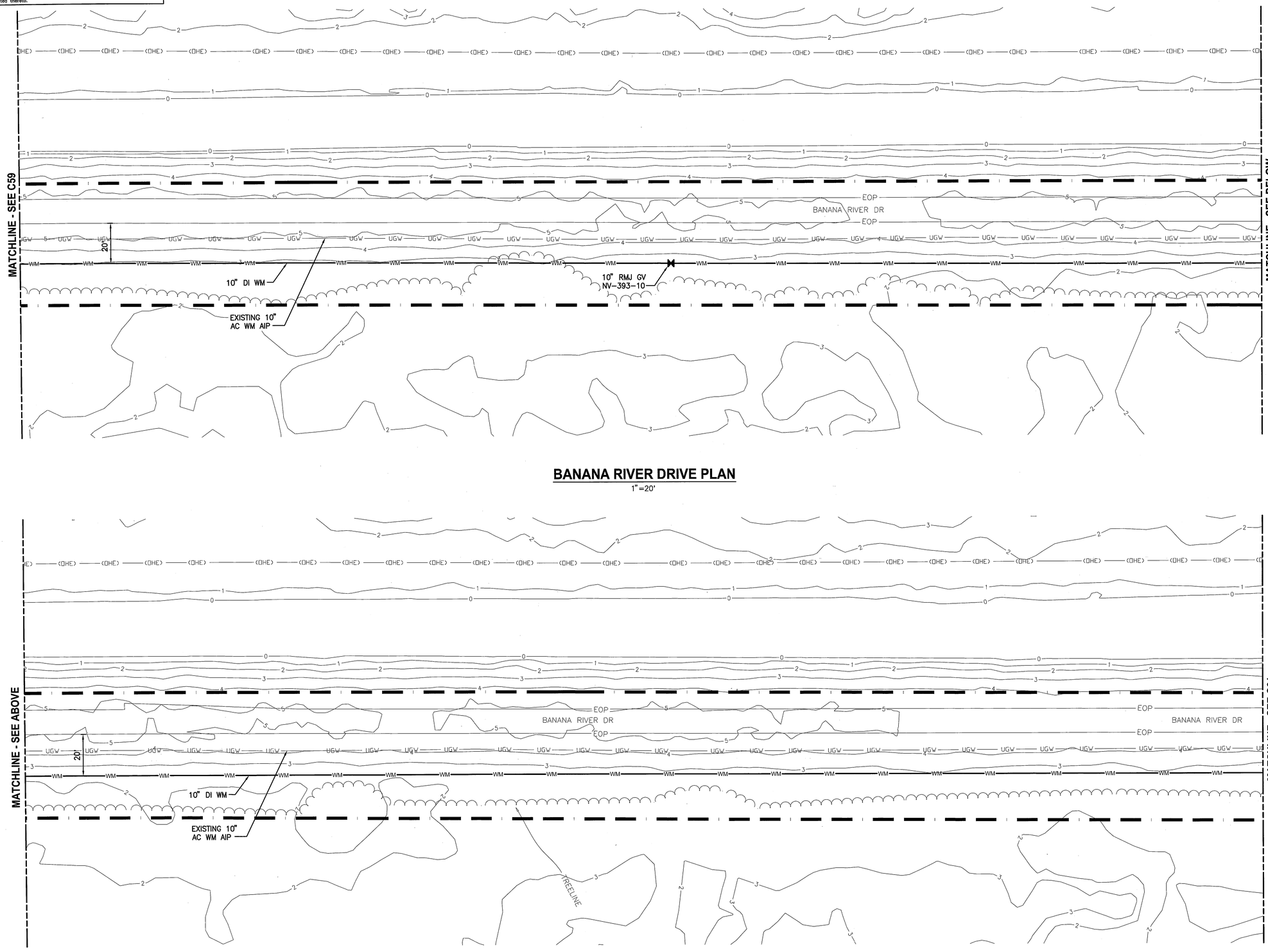
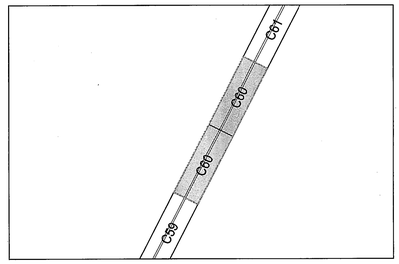


BANANA RIVER DRIVE PLAN
1"=20'

BANANA RIVER DRIVE PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 69	

C60

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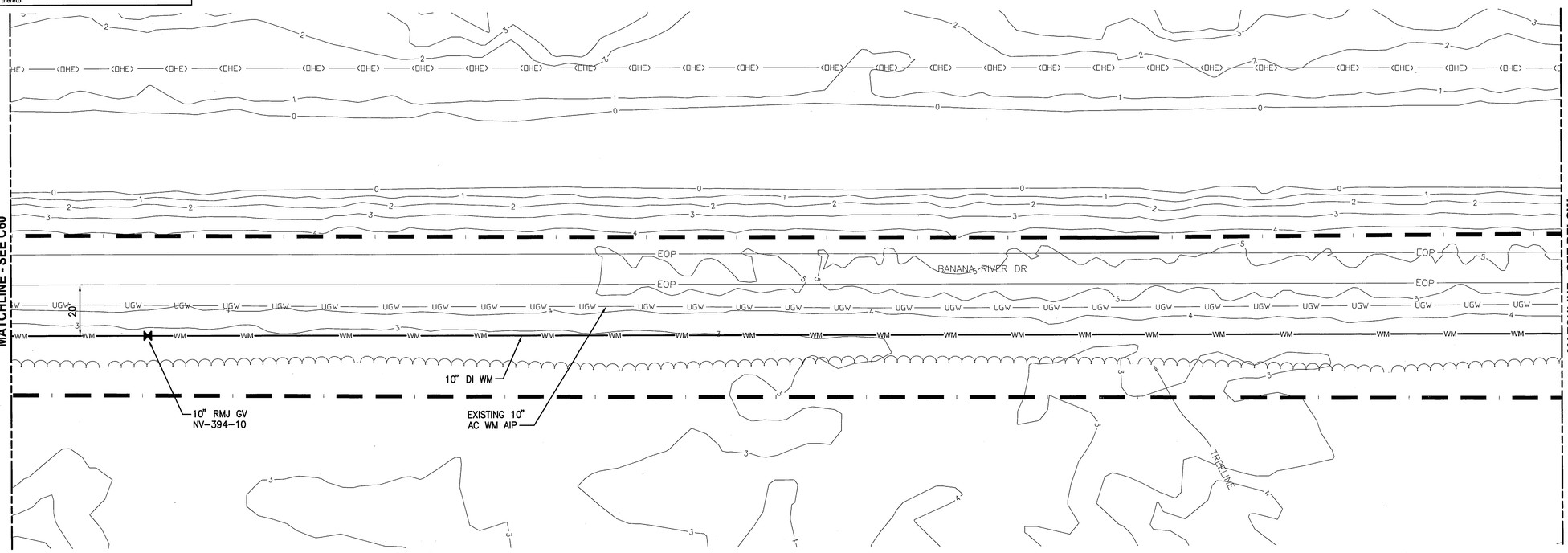
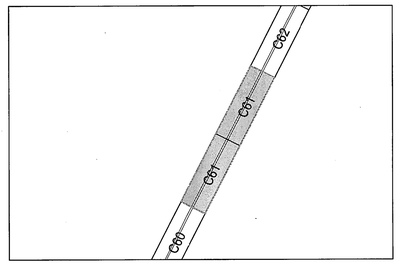
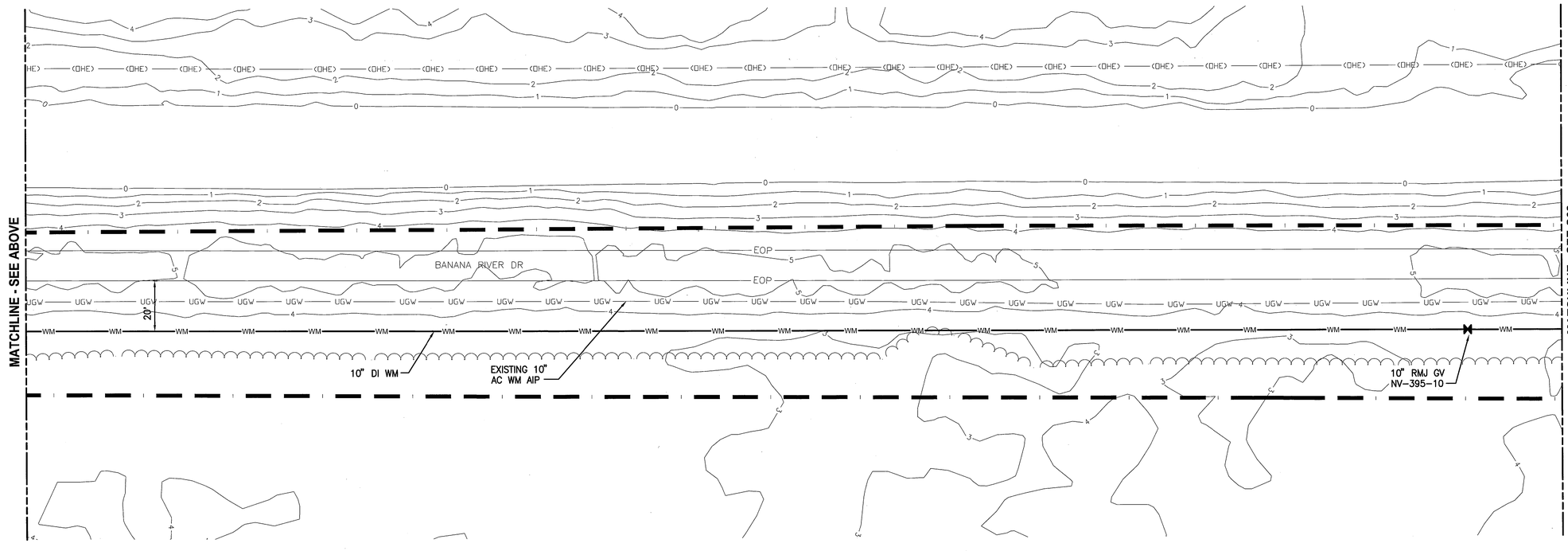


BANANA RIVER DRIVE PLAN
1" =20'



KEY MAP
NTS



BANANA RIVER DRIVE PLAN
1" =20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1" =20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	KM

REVISIONS

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SIGNATURES	DATE
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CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 70	

C61

NASA FORM 1-11 (3/76)(C/G 3/94)

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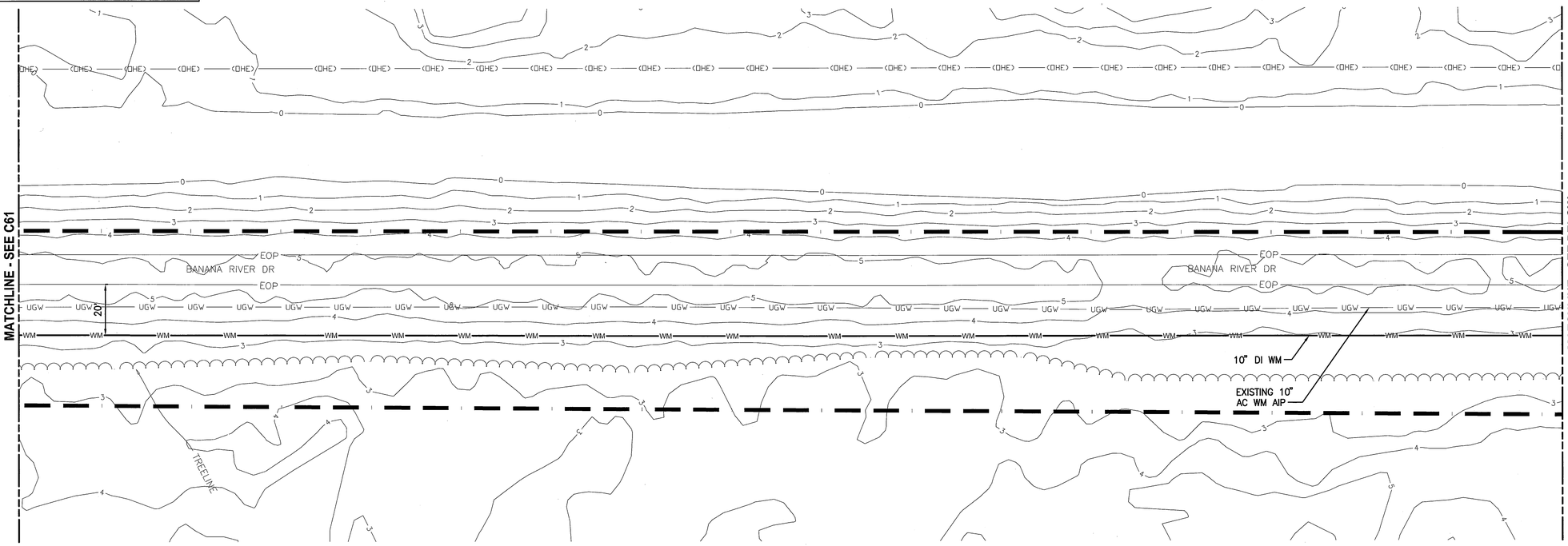
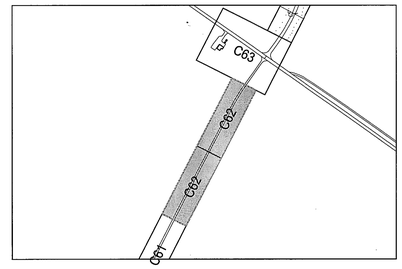
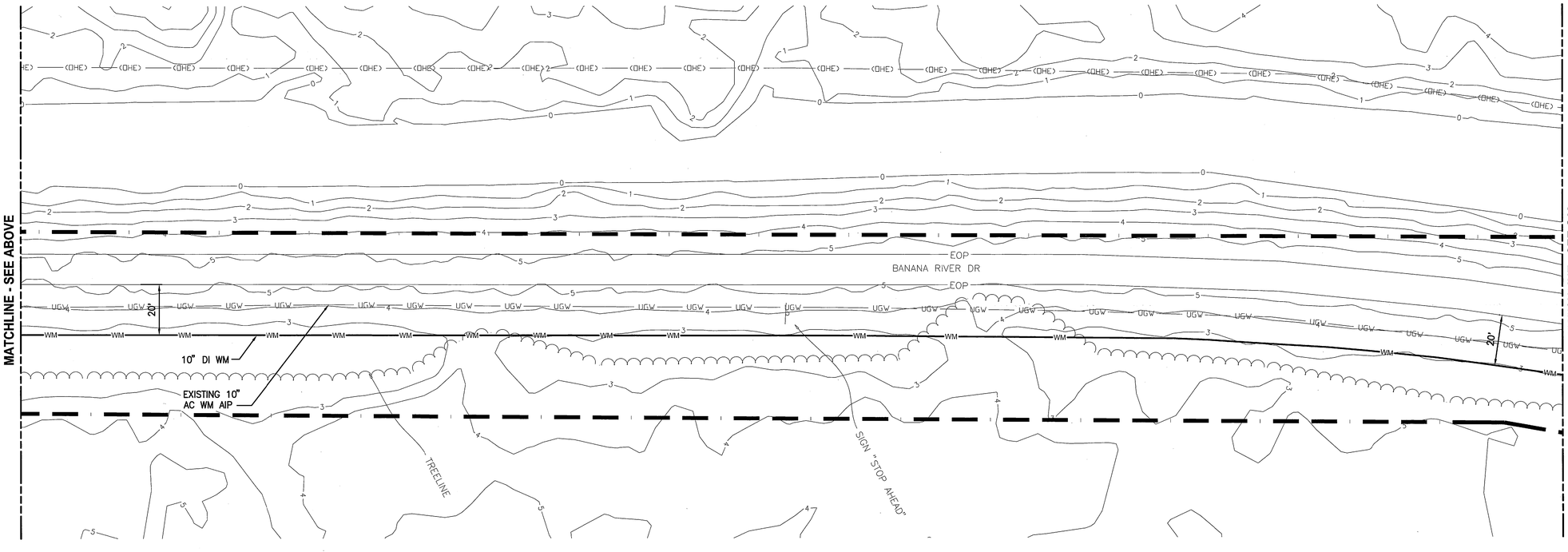


BANANA RIVER DRIVE PLAN
1"=20'



KEY MAP
NTS



BANANA RIVER DRIVE PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 71	

C62

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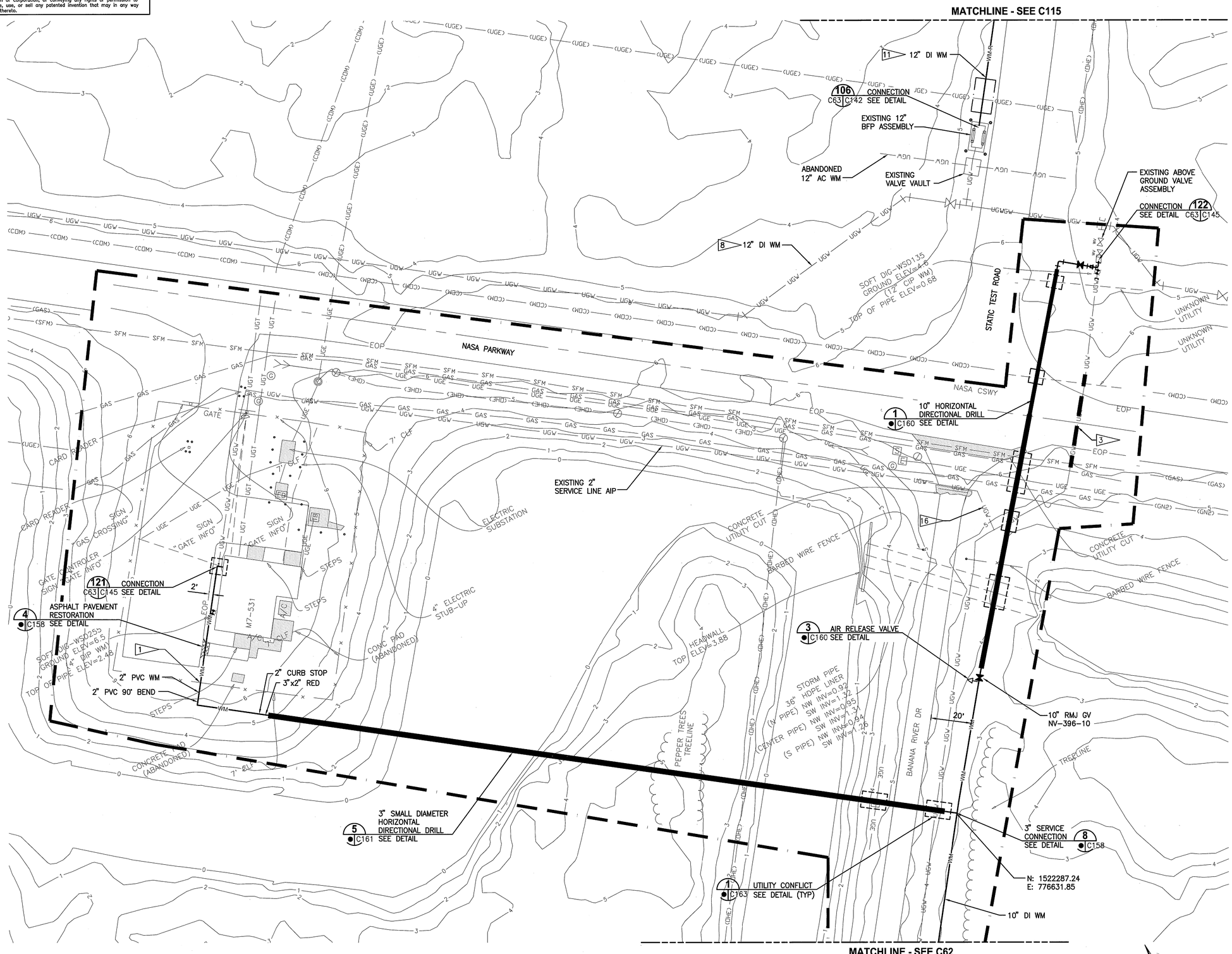
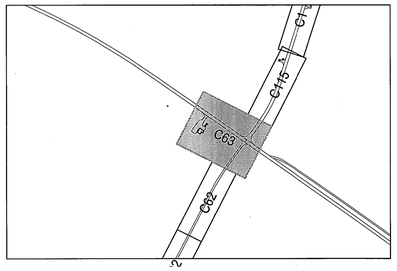


BANANA RIVER DRIVE & NASA PARKWAY PLAN

1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'



KEY MAP

NTS

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A		GENERAL REVISIONS	10/31/11	[signature]

REVISIONS

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CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 72

C63

SC FORM 1-11 (3/76)(C/G 3/94)

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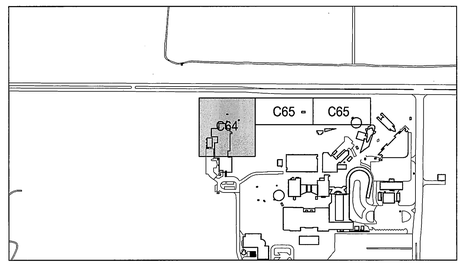
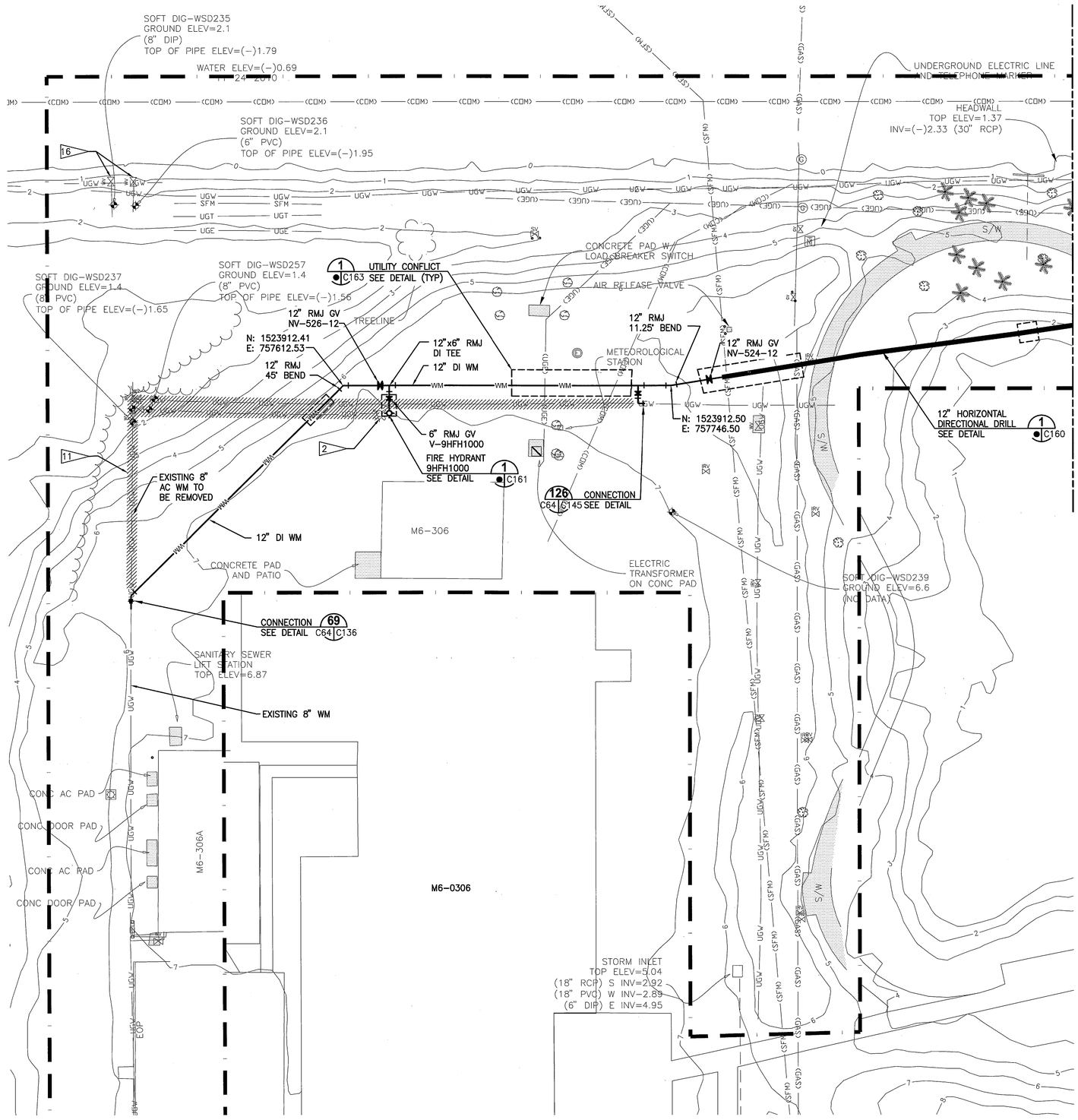


KEY MAP
NTS



VIC PLAN
1" =20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1" =20'

N

C64

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SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	KMM

REVISIONS

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SIGNATURES	DATE
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CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	11/21/11
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5 WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 73	

SC FORM 1-11 (3/76)(C/G 3/94)

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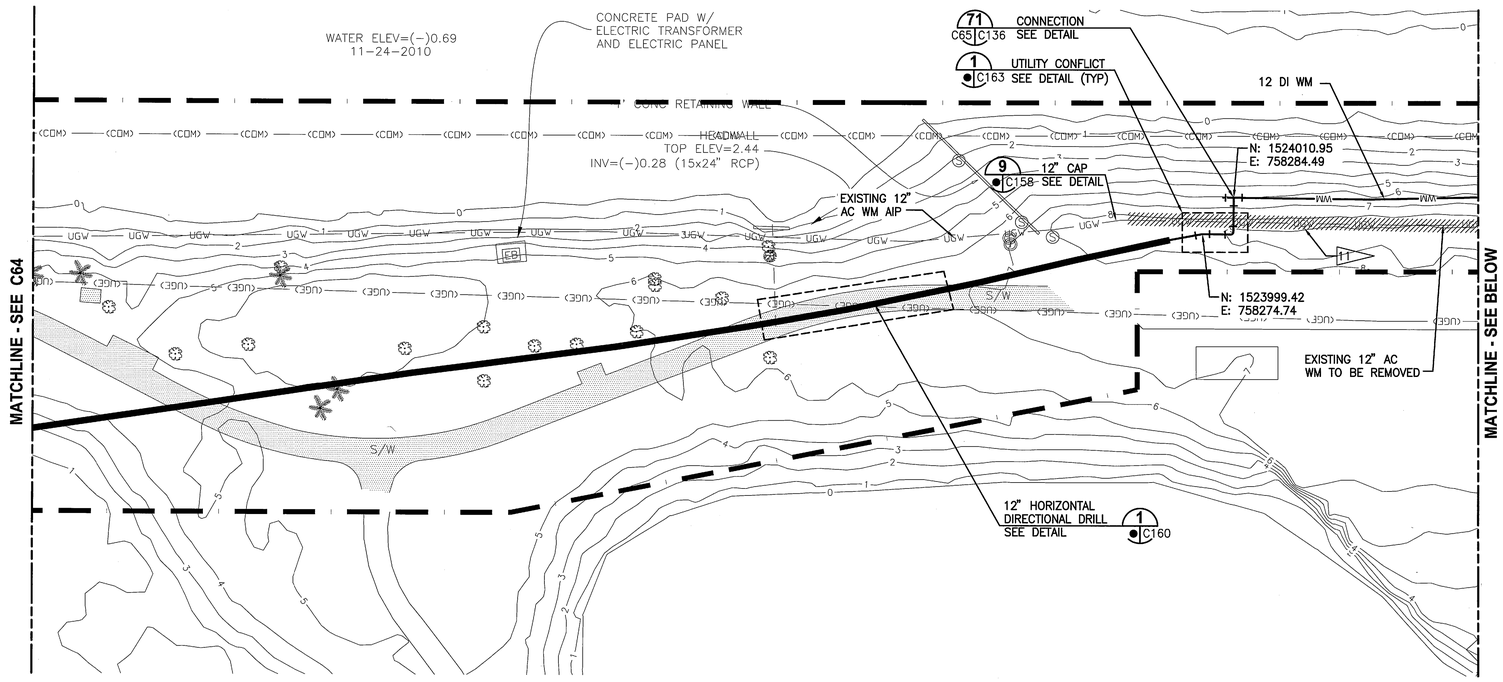
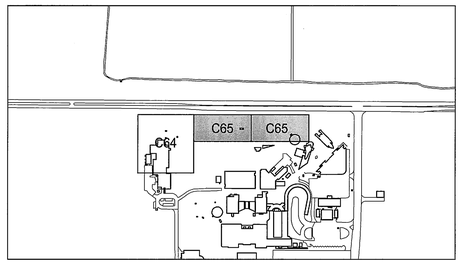
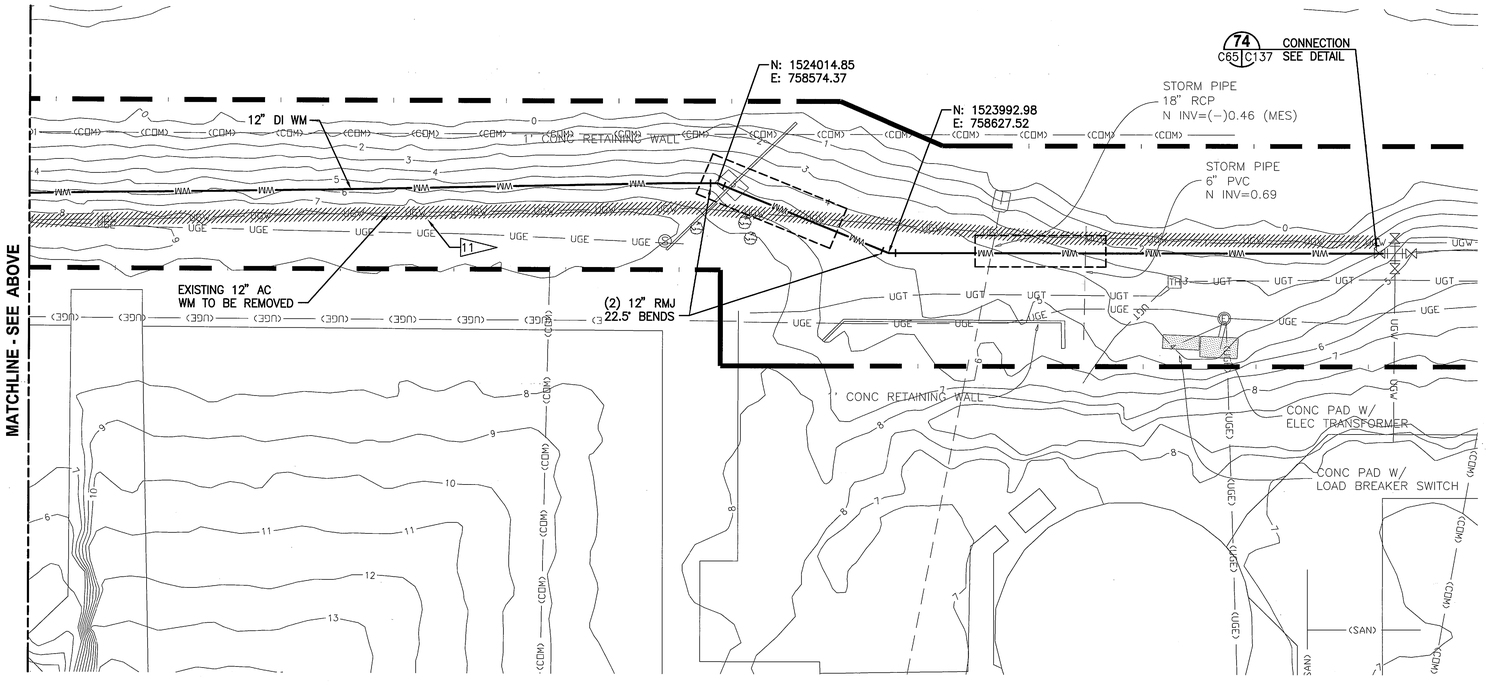


VIC PLAN
1"=20'



KEY MAP
NTS



VIC PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

N

C65

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SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 74	

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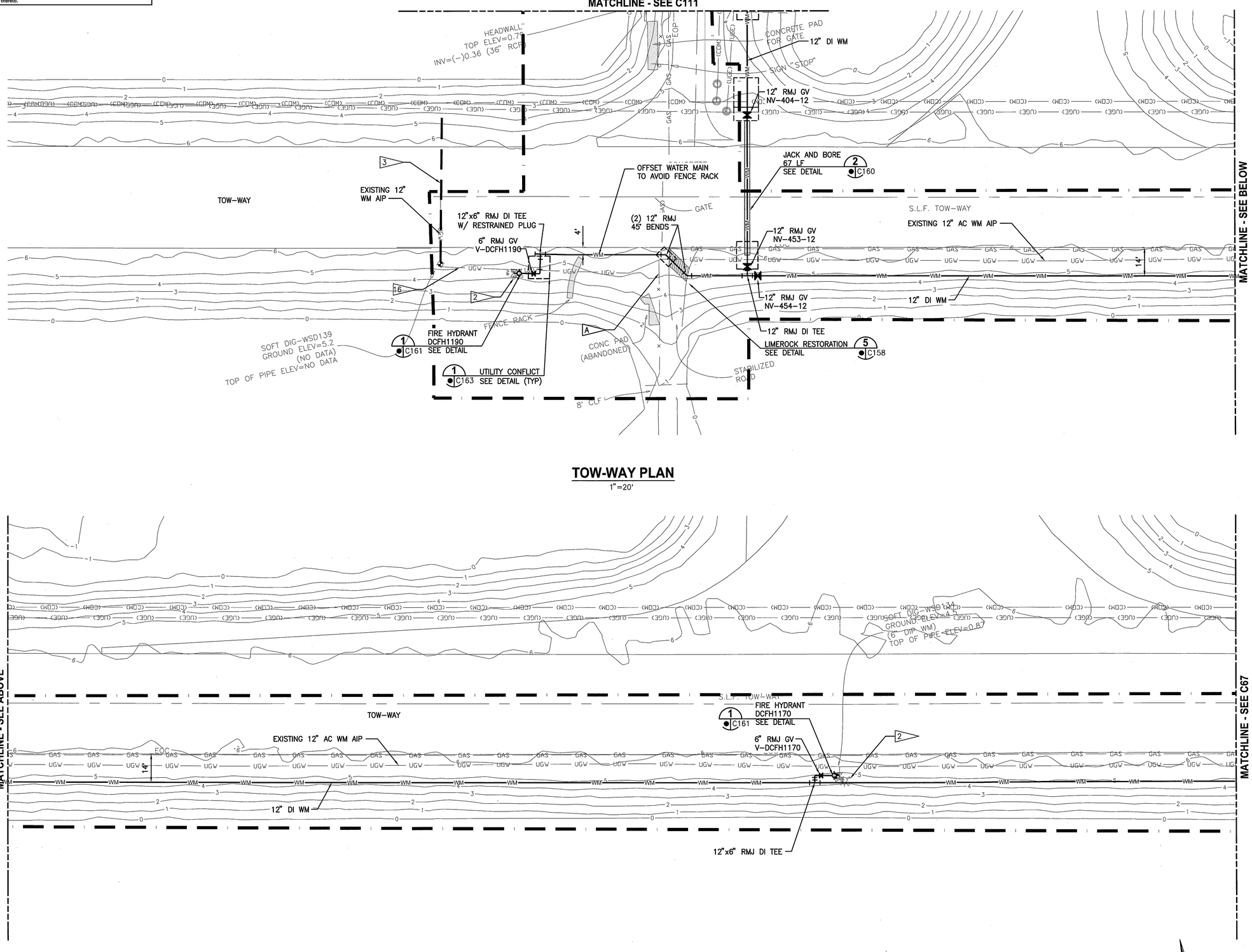
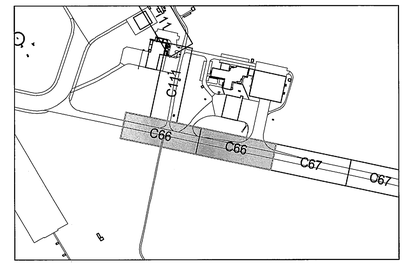


TOW-WAY PLAN
1"=20'



KEY MAP
NTS

NOTE:

A EXISTING SECURITY GATE AND FENCE RACK. CONTRACTOR TO PROTECT GATE FROM DAMAGE FROM INSTALLATION OF NEW WATER MAIN. CONTRACTOR TO COORDINATE WITH CO AND NASA SECURITY IF FENCING AND GATE ARE TO BE REMOVED.

TOW-WAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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SIGNATURES	DATE
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CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED: M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 75	

C66

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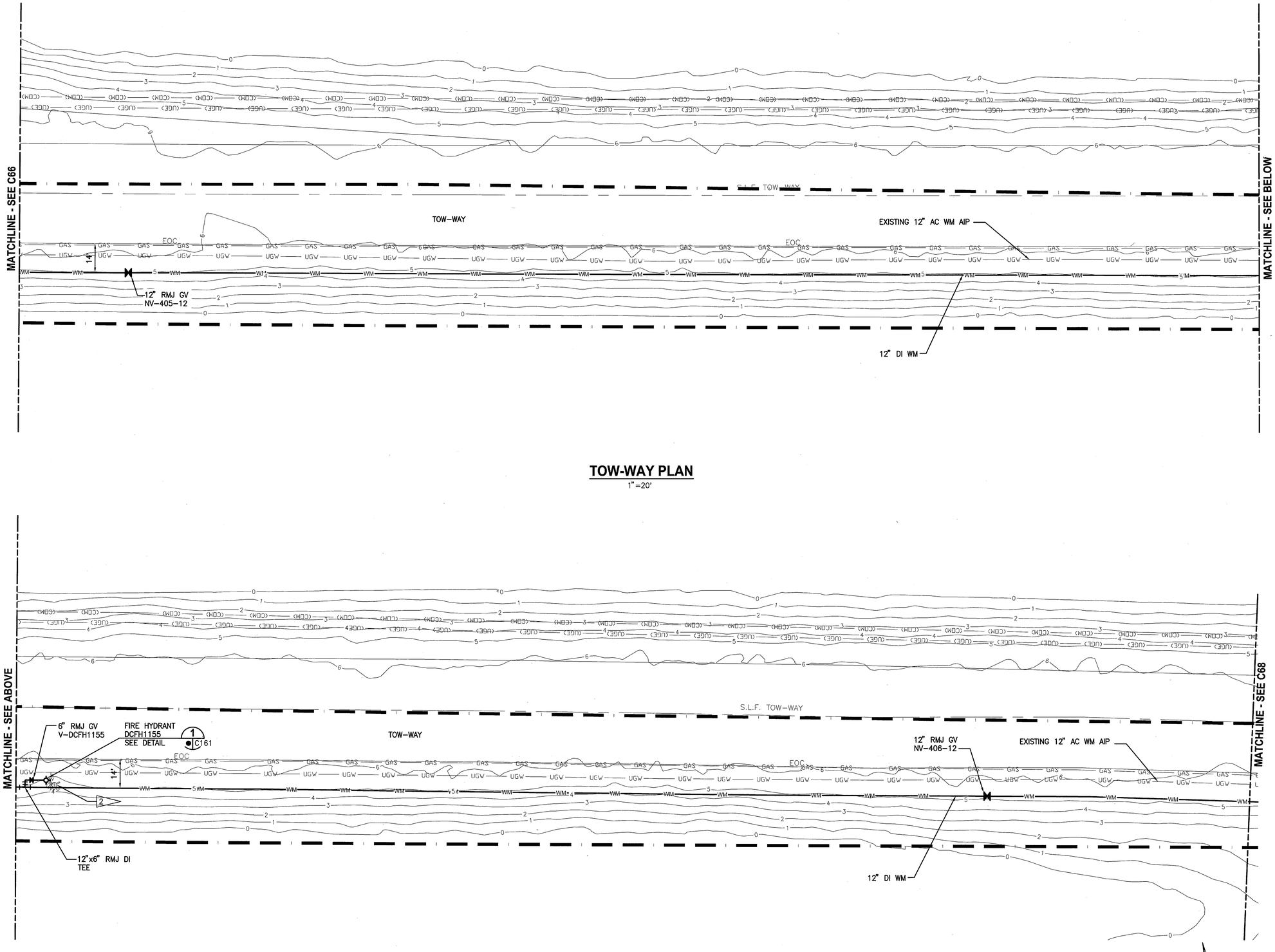
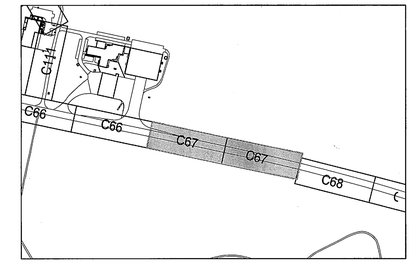


TOW-WAY PLAN
1"=20'



KEY MAP
NTS

TOW-WAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

N

C67

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	KLM

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SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 76	

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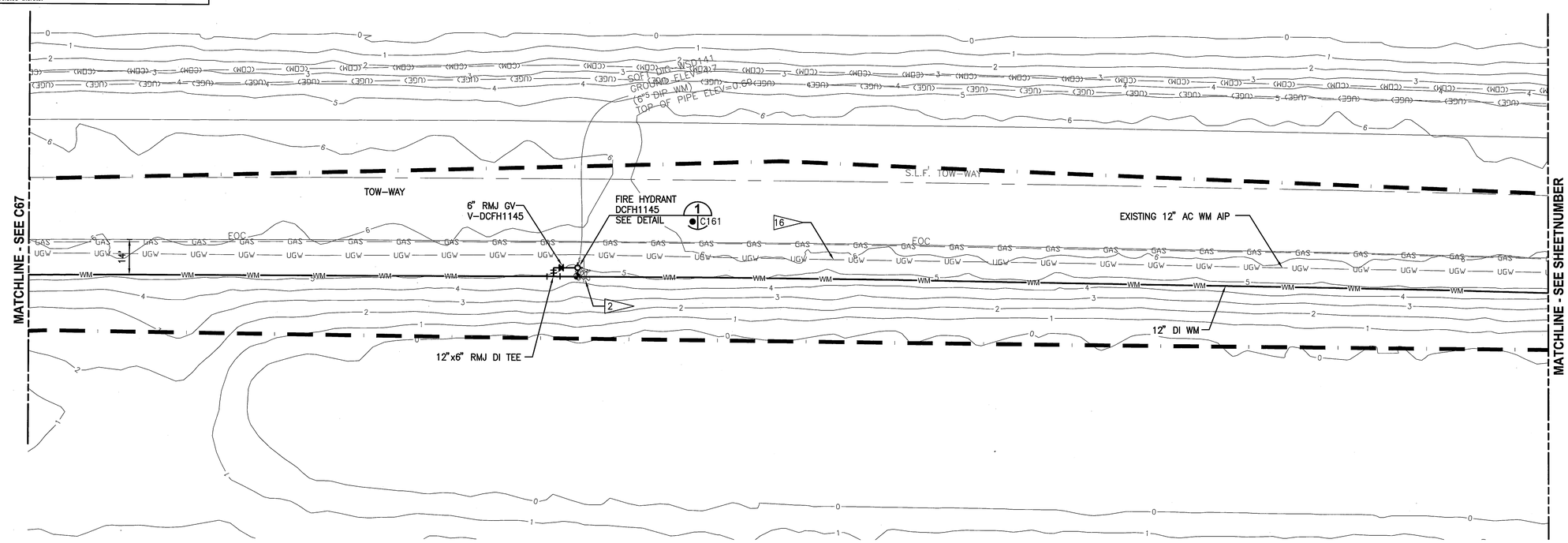
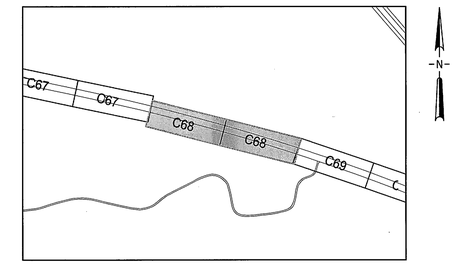
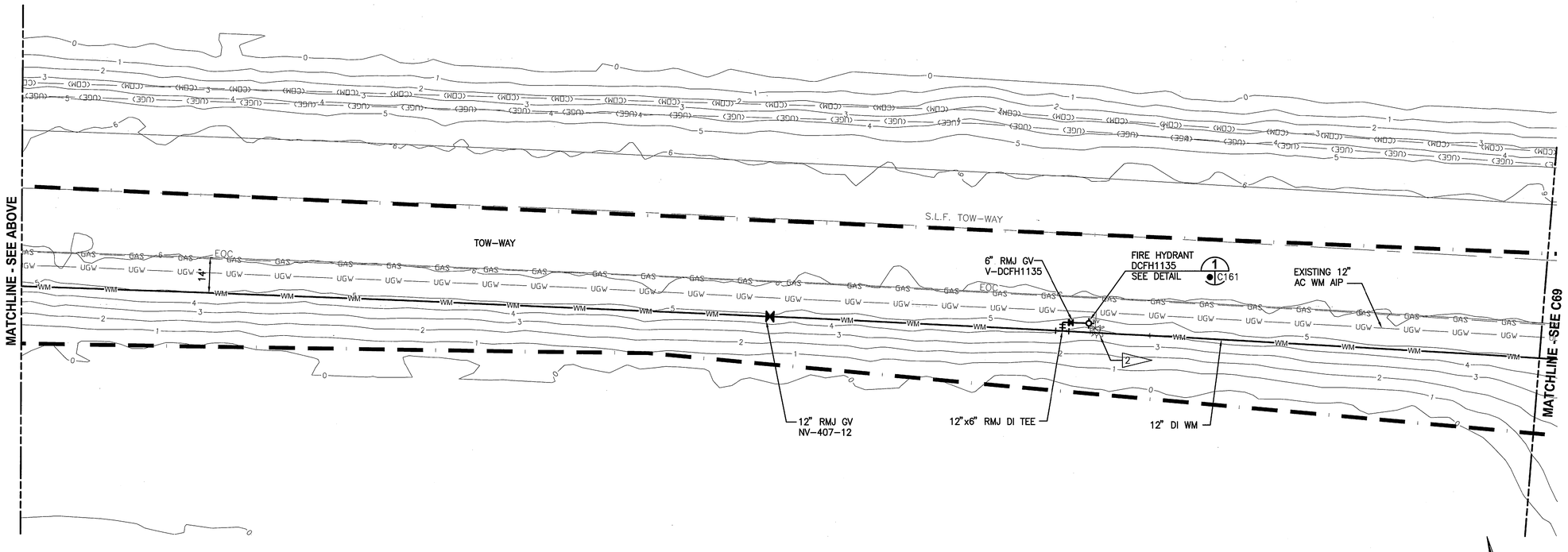


TOW-WAY PLAN
1"=20'



KEY MAP
NTS



TOW-WAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

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APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 77	

C68

KSC FORM 1-11 (3/76)(C/G 3/94)

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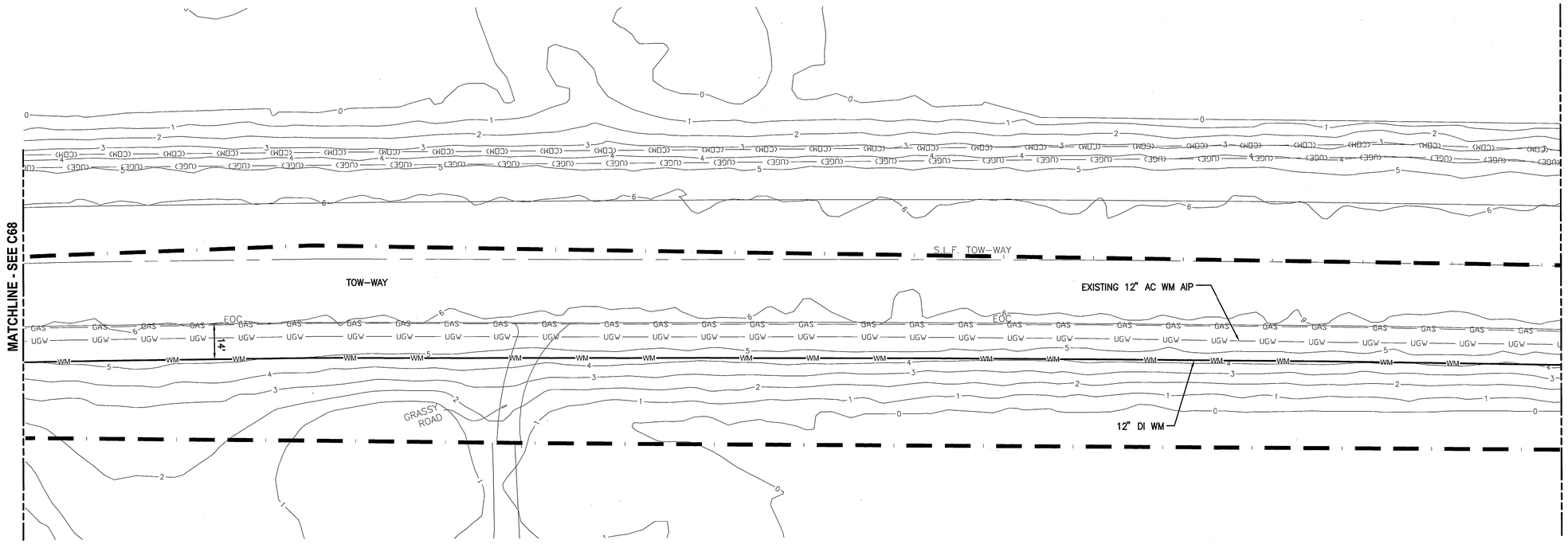
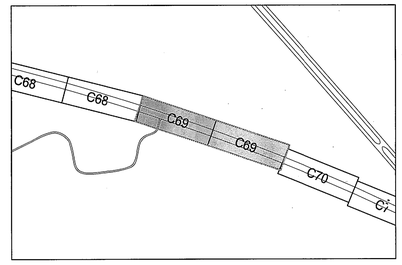
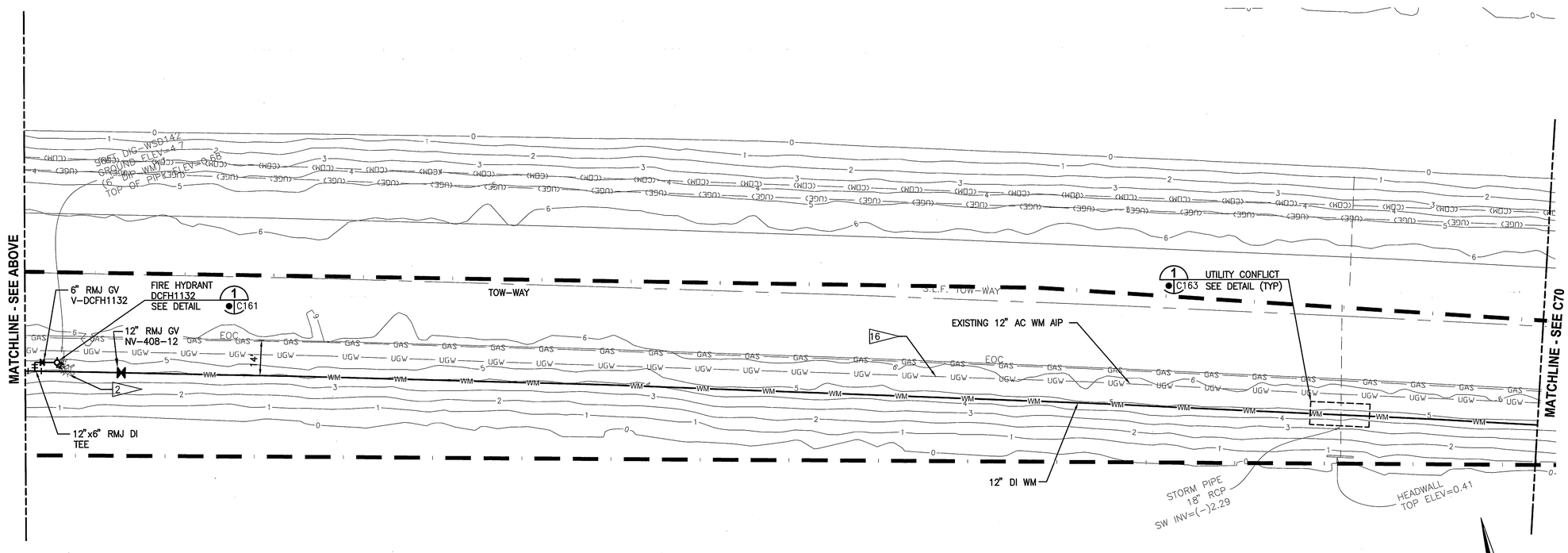


TOW-WAY PLAN
1"=20'



KEY MAP
NTS



TOW-WAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 78	

C69

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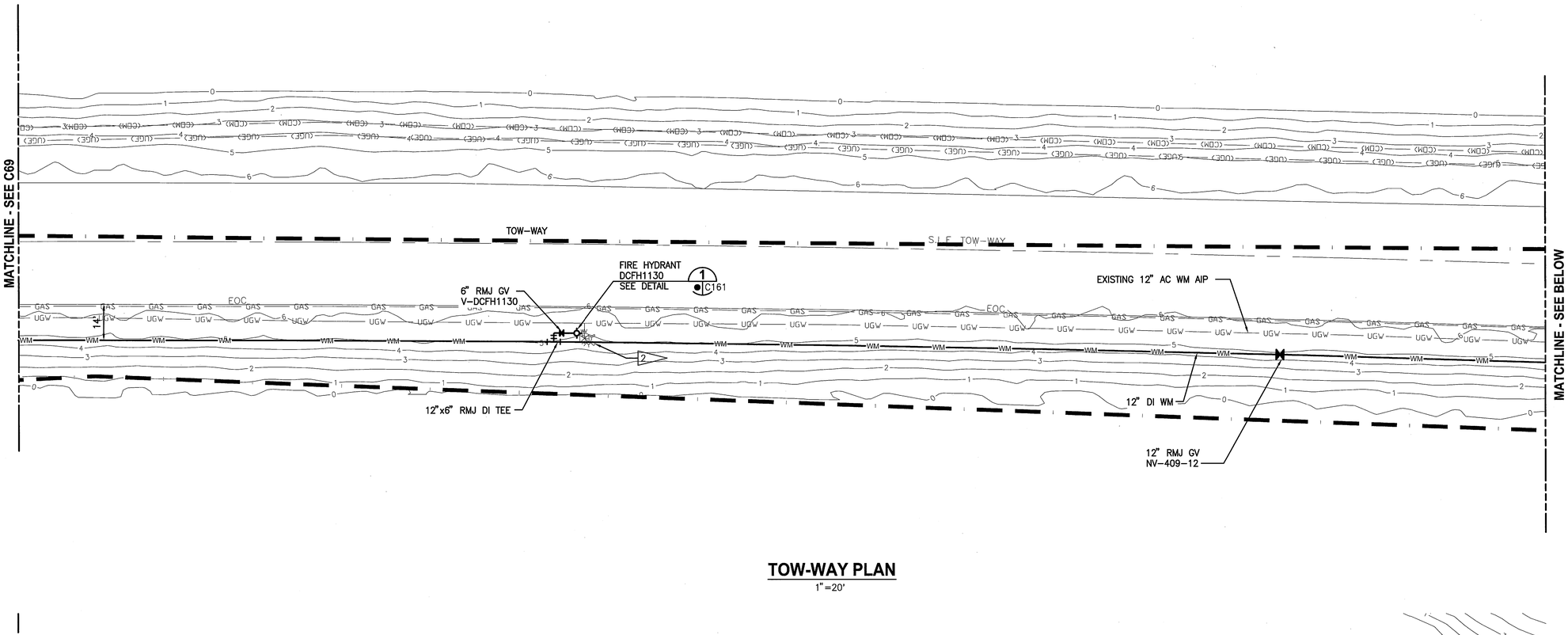
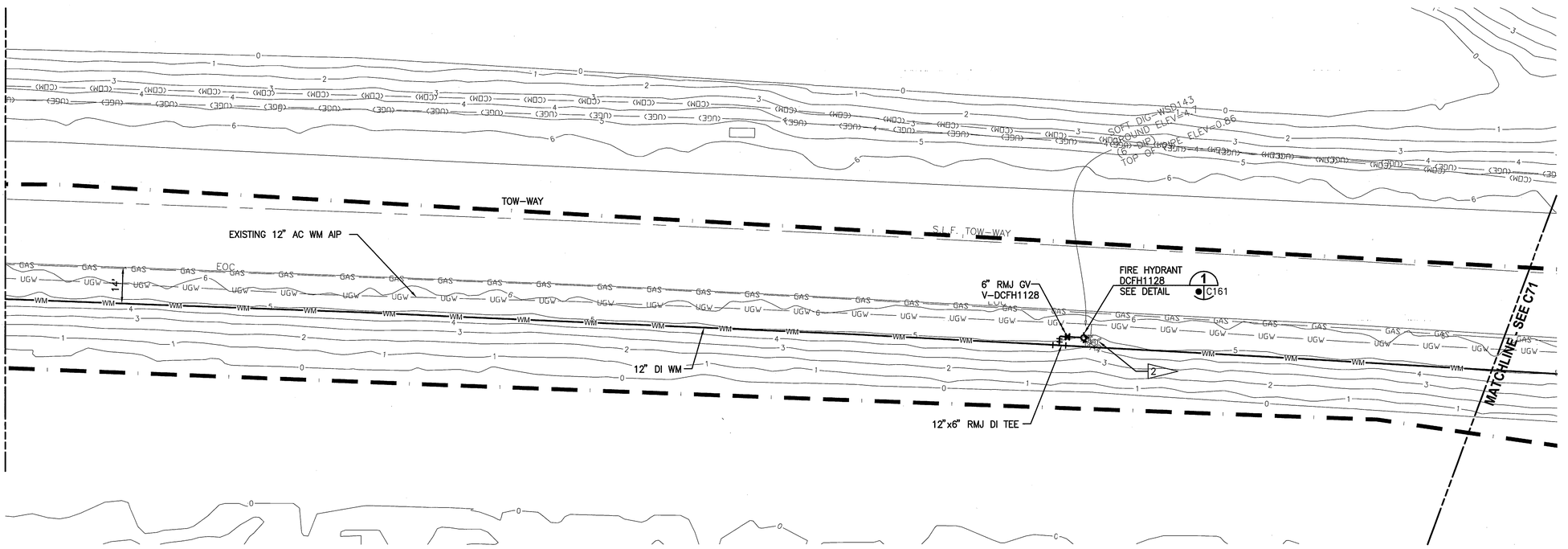
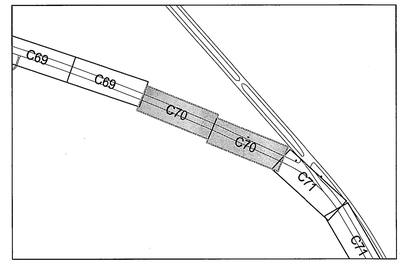


TOW-WAY PLAN
1"=20'



TOW-WAY PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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SIGNATURES	DATE
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CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 79	

C70

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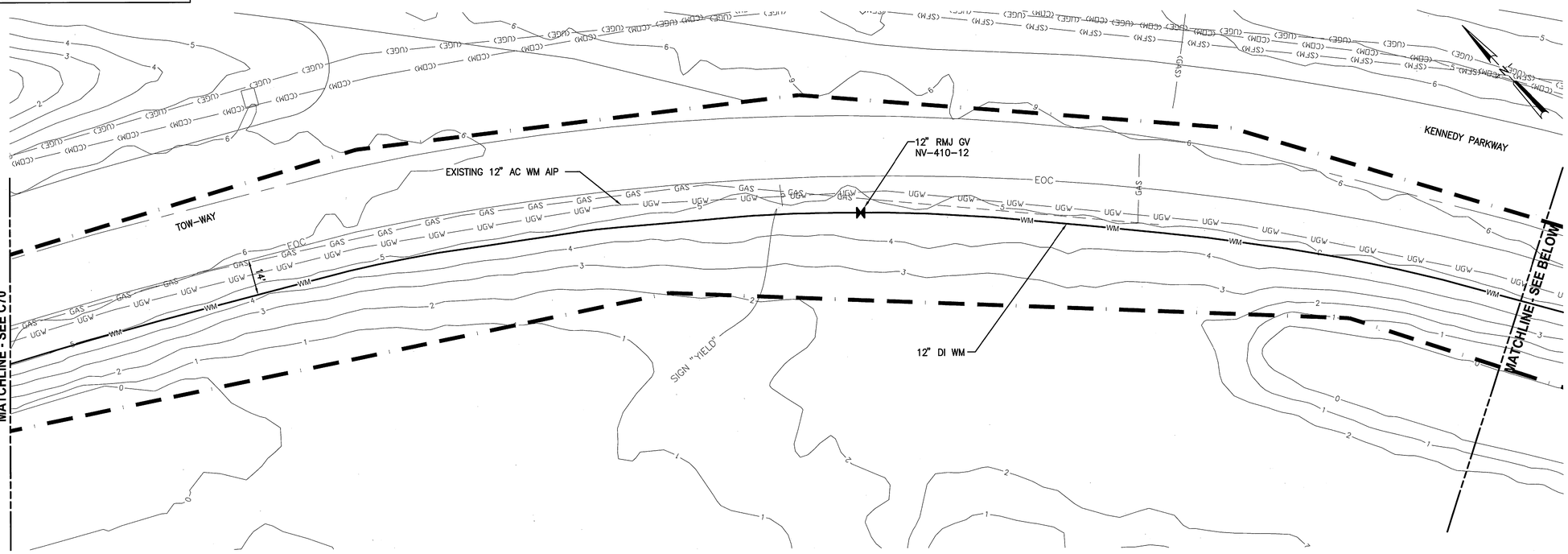
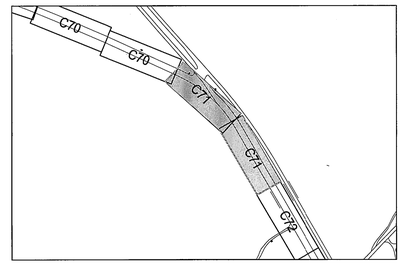
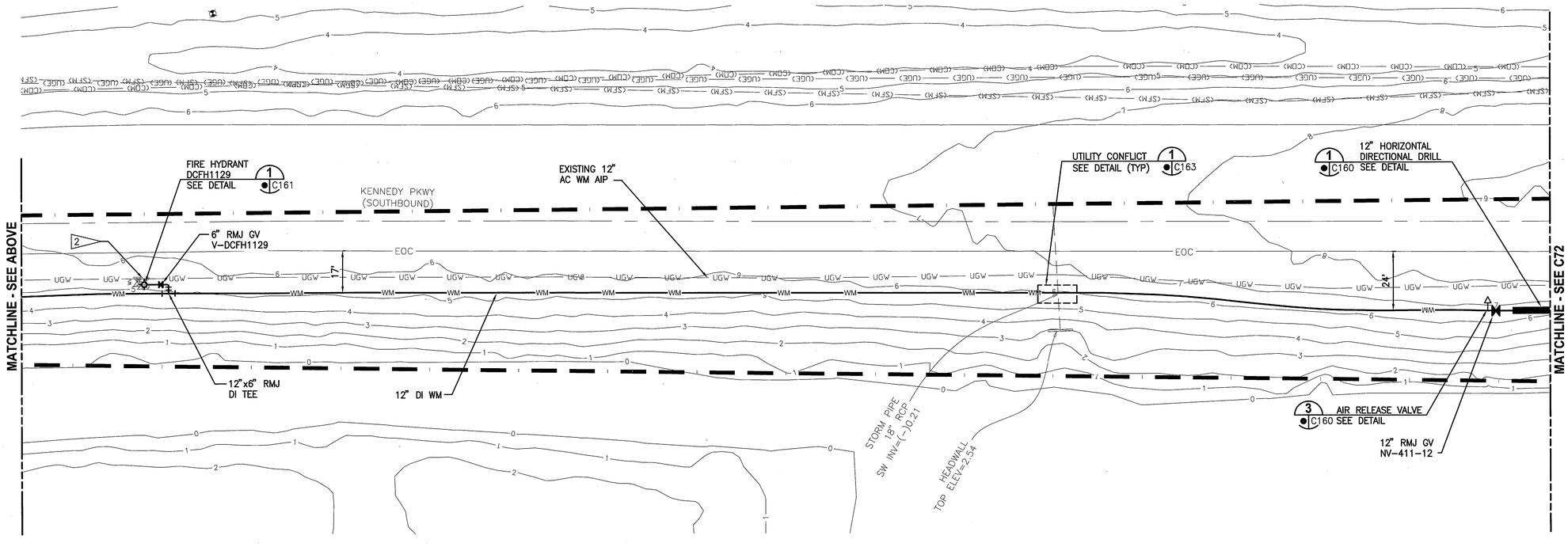




KEY MAP
NTS

TOW-WAY & KENNEDY PARKWAY PLAN
1"=20'



TOW-WAY & KENNEDY PARKWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

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SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 80	

C71

SC FORM 1-11 (3/76)(C/G 3/94)

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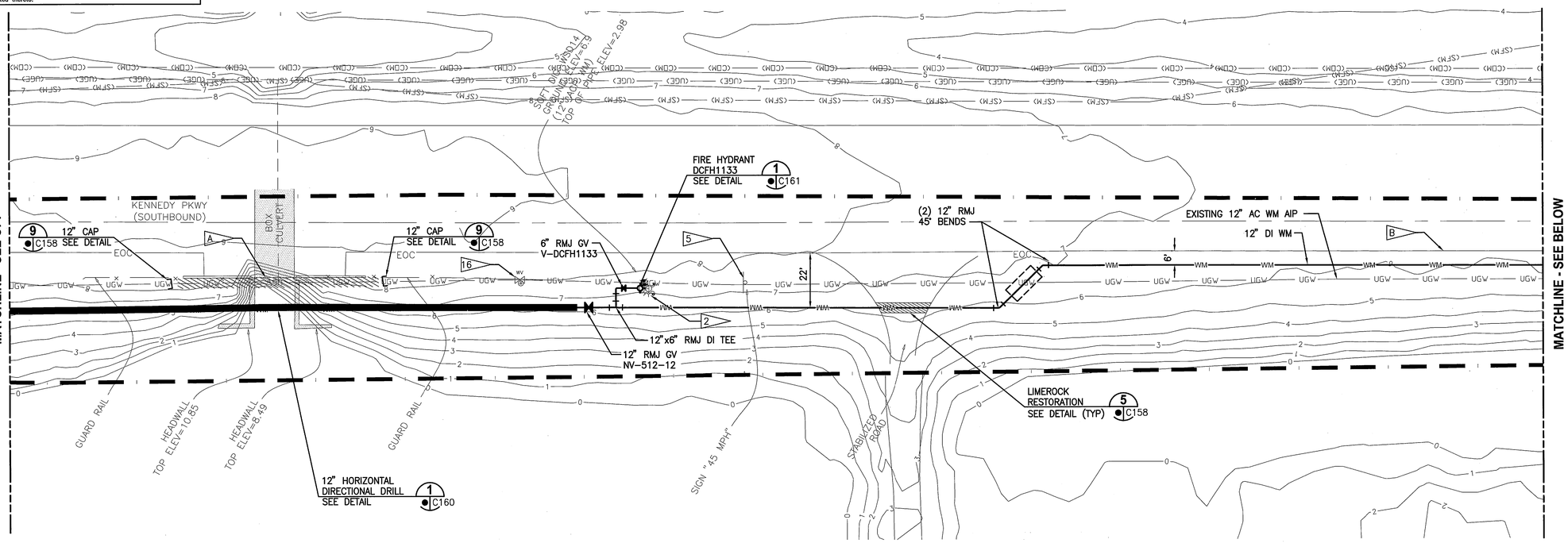
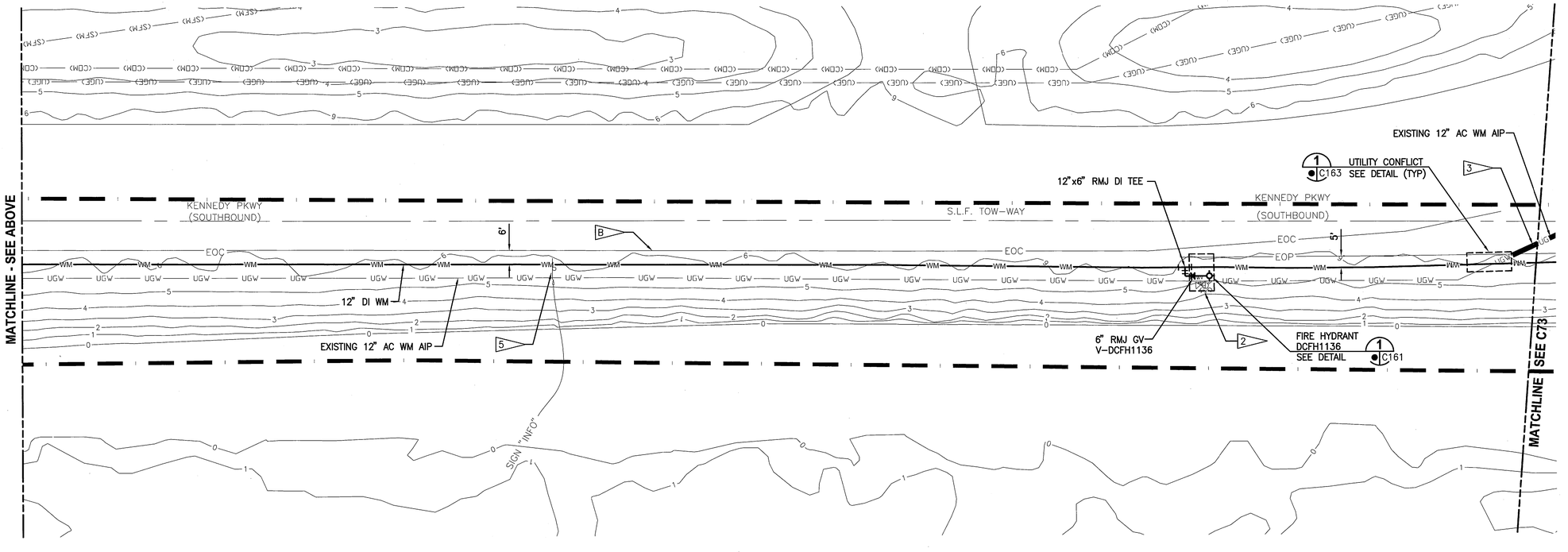
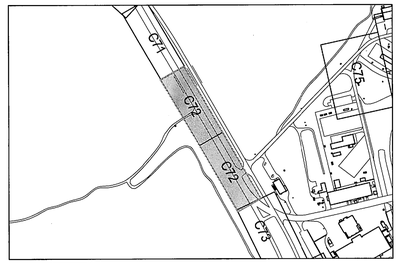


TOW-WAY & KENNEDY PARKWAY PLAN
1"=20'



TOW-WAY & KENNEDY PARKWAY PLAN
1"=20'



KEY MAP
NTS

NOTES:

A — DEMOLISH AND REMOVE EXISTING 12" WATER MAIN, FITTINGS, AND APPURTENANCES. PIPE SHALL BE CUT AND CAPPED BELOW GRADE. THE WATER MAIN IS PAINTED DI/CI WHEN ABOVE GRADE OVER CULVERT. HEAVY METALS AND/OR PCBs ARE ASSUMED IN PAINTS. REFER TO THE ENVIRONMENTAL NOTES ON EN2 FOR DISPOSAL.

B — CONTRACTOR SHALL PROTECT TOW-WAY FROM DAMAGE DURING INSTALLATION OF WATER MAIN.

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 81	

C72

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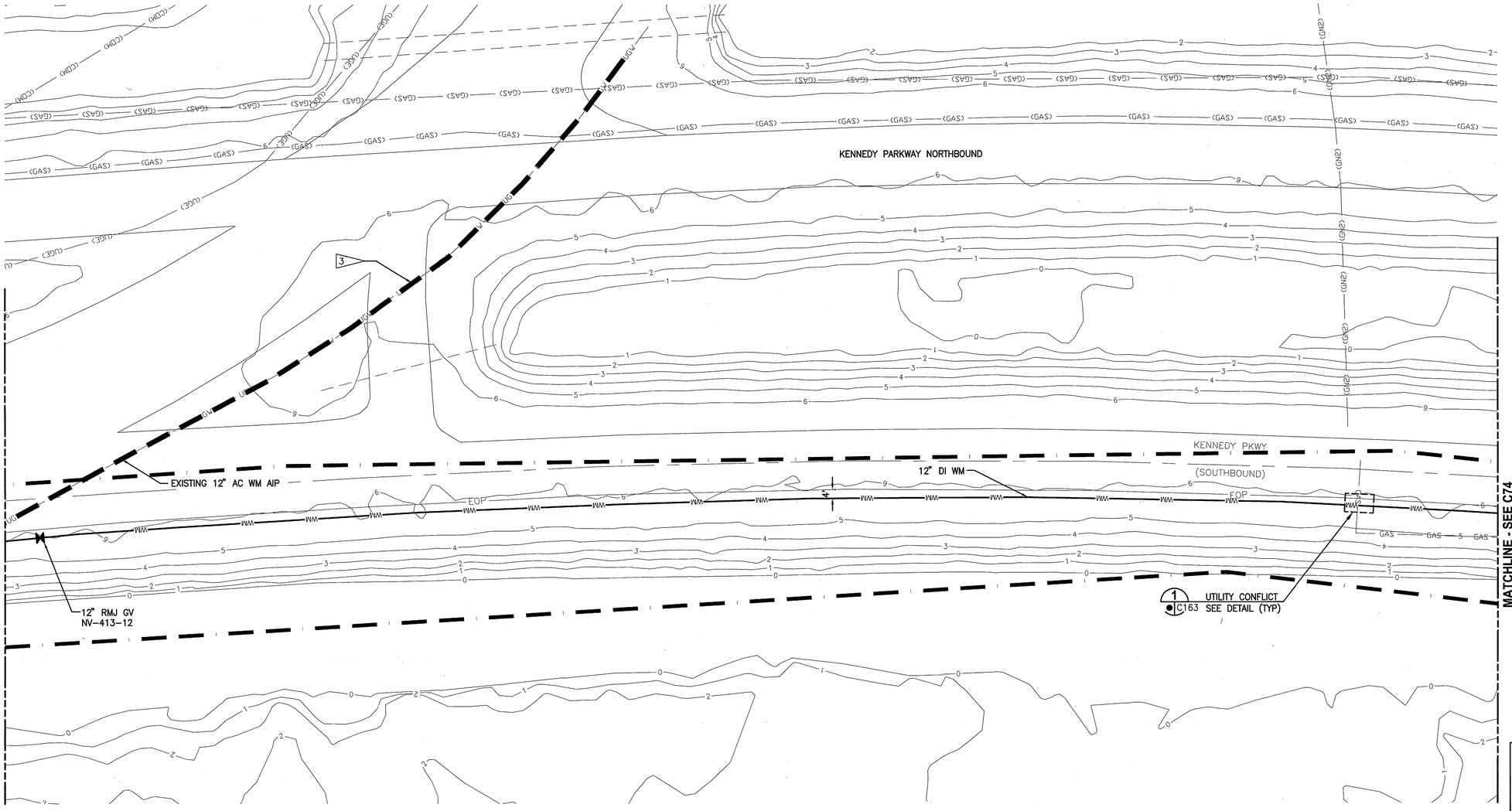
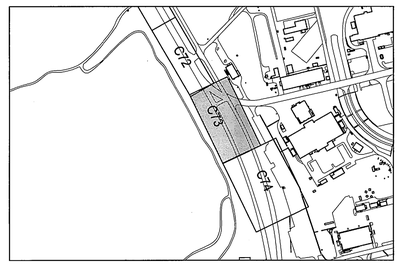


KENNEDY PARKWAY PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

C73

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 82	

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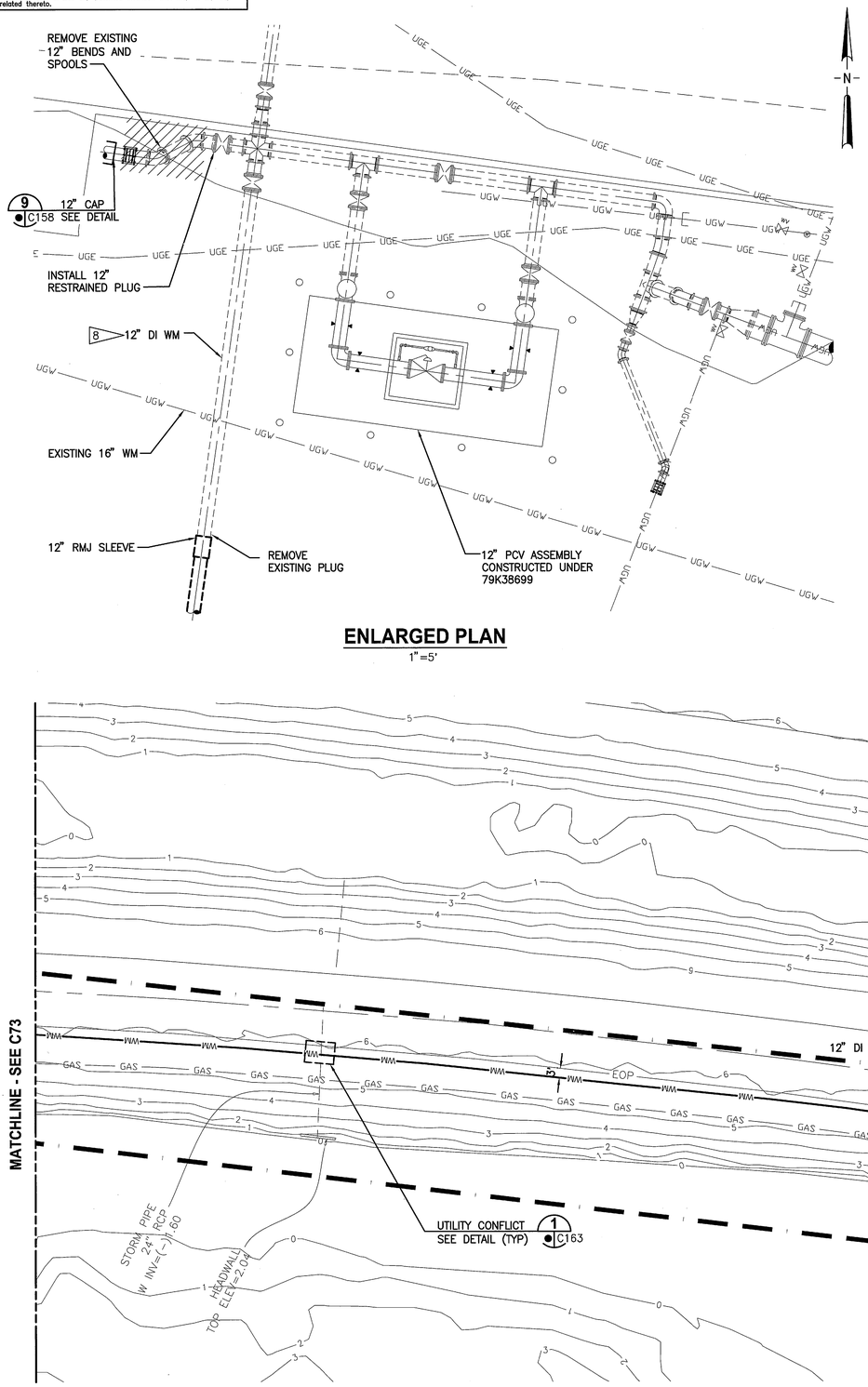
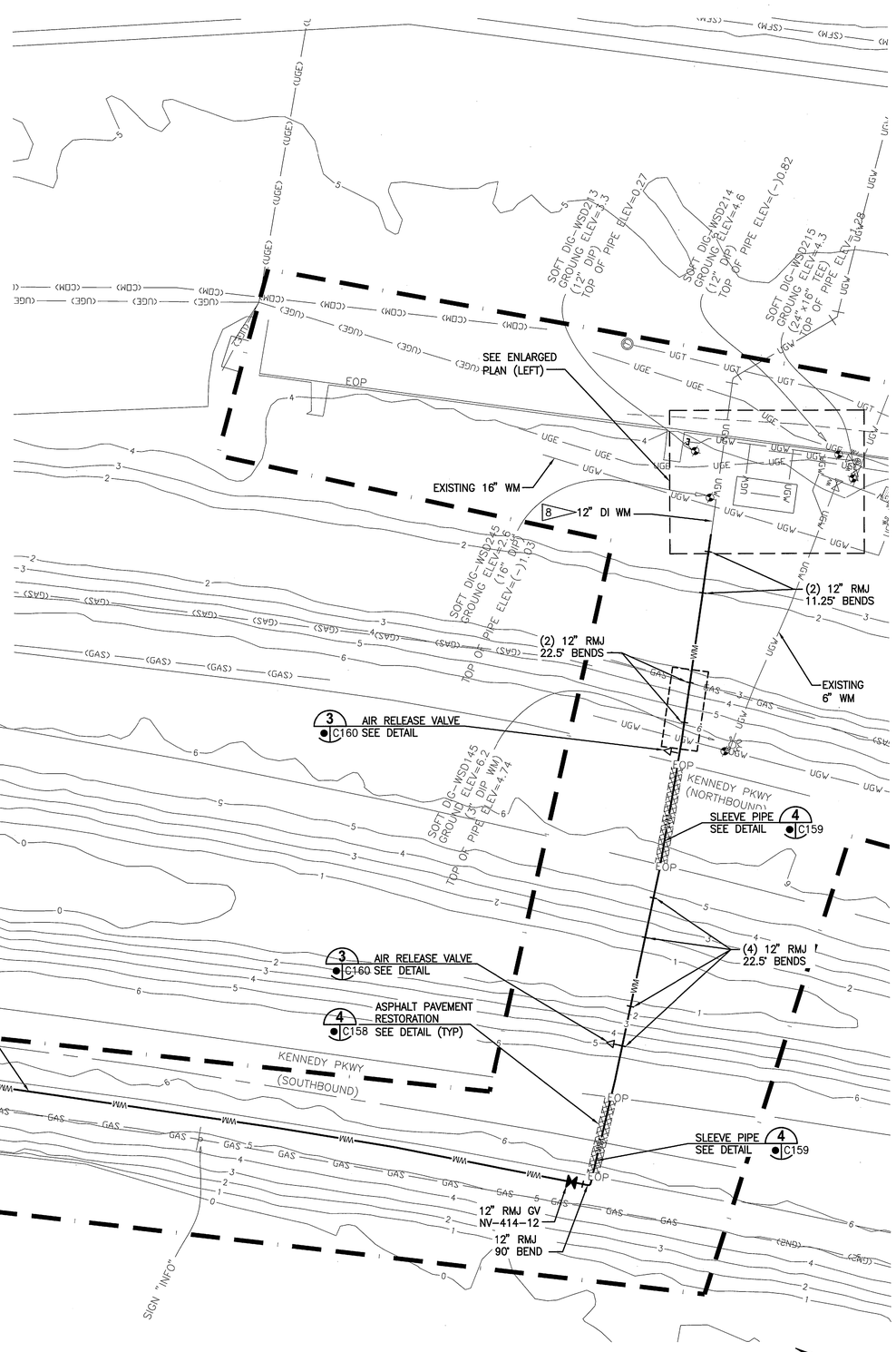


ENLARGED PLAN
1"=5'



KENNEDY PARKWAY PLAN
1"=20'

KEY MAP
NTS

GRAPHIC SCALE
0 2.5 5 10
SCALE IN FEET
1"=5'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	12/05/11	KM

REVISIONS

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K. MILLER	12/5/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C74	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 83	

FSC FORM 1-11 (3/76)(C/G 3/94)

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MATCHLINE - SEE C76

12" RMJ 11.25° BEND

12" RMJ 11.25° BEND

LIMEROCK RESTORATION SEE DETAIL (TYP) 5 C158

EXISTING 12" AC WM AIP

12" RMJ 11.25° BEND

12"x6" RMJ DI TEE

6" RMJ GV V-YVFH1295

(2) 12" RMJ 11.25° BENDS

1 C161 FIRE HYDRANT YVFH1295 SEE DETAIL

DEFLECT PIPE AND FITTINGS AS NECESSARY TO MAINTAIN 6' MINIMUM HORIZONTAL SEPARATION FROM EXISTING 12" AC WM

(2) 12" RMJ 11.25° BENDS

9 C158 12" CAP SEE DETAIL

(2) 12" RMJ 190° BENDS

3 EXISTING 12" AC WM AIP

9 C158 12" CAP SEE DETAIL

1 C163 UTILITY CONFLICT SEE DETAIL (TYP)

12" DI WM

N: 1547064.77
E: 766897.28

ASPHALT PAVEMENT RESTORATION SEE DETAIL (TYP) 4 C158

CONNECTION SEE DETAIL 133 C75 C147

12" DI WM 17

12" DI WM 15

EXISITING 12" AC WM AIP

A 12" TEMPORARY LINE STOP

6" DI WM 15

6" RMJ GV V-ARFH1330

1 C161 FIRE HYDRANT ARFH1330 SEE DETAIL
N: 1546944.98
E: 766760.56

STABILIZED ROAD

LAUNCHER RD

ASPHALT PARKING

RAILROAD

UNDERGROUND TELEPHONE CONDUITS (EMPTY)

UNKNOWN UTILITY

SOFT DIG-PCP285 GROUND ELEV=5.7 (NO INFO)

SOFT DIG-WSD147 GROUND ELEV=5.9 (6" DIP WM) TOP OF PIPE ELEV=(-)1.51

SOFT DIG-WSD146 GROUND ELEV=5.8 (8" DIP WM) TOP OF PIPE ELEV=0.66

STORM PIPE 36" CMP W INV=0.57

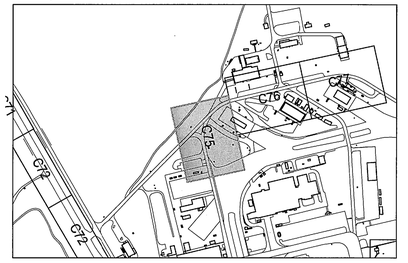
HEADWALL TOP ELEV=5.06

SIGN "YEILD"

CONC PAD W/ ELECTRIC BOX

KEY MAP

NTS



NOTE:

A IF VOLUME 4 AWARDED, LINE STOP NIC.

LAUNCHER ROAD PLAN

1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	12/05/11	kpm

REVISIONS

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K. MILLER	12/5/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 84	

C75

NASA FORM 1-11 (3/76)(C/G 3/94)

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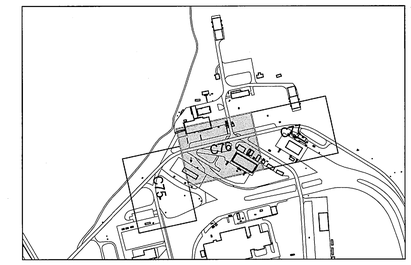

KEY MAP
NTS

K6-0494

LIMEROCK RESTORATION SEE DETAIL (TYP) 5 C158

ASPHALT PAVEMENT RESTORATION SEE DETAIL (TYP) 4 C158

134 CONNECTION C76 C147 SEE DETAIL

STORM PIPE 18" RCP S INV=6.97

SOFT DIG-WSD150 GROUND ELEV=5.8 (10" DIP WM) TOP OF PIPE ELEV=0.96

SOFT DIG-WSD151 GROUND ELEV=5.4 (8" DIP WM) TOP OF PIPE ELEV=2.26

SOFT DIG-WSD243 GROUND ELEV=5.9 (8" PVC) TOP OF PIPE ELEV=2.50

UTILITY CONFLICT SEE DETAIL (TYP) 1 C163

CONC UTILITY CUT

LAUNCHER RD

EXISTING 12" AC WM AIP

12"x6" RMJ DI TEE

12"x6" RMJ DI TEE

6" RMJ 22.5° BEND

6" RMJ 11.25° BEND

6" RMJ GV NV-418-6

12" DI WM

STABILIZED ROAD

WATER VALVE AND BLOWOFF

HEADWALL TOP ELEV=4.93

(2) 12" RMJ 45° BENDS

6" DI WM

6" RMJ 11.25° BEND

6" DI WM

ELECTRIC SUBSTATION

6" RMJ 11.25° BEND

6" RMJ 45° BEND

STAIRS

CONC PAD W/ LOAD BREAKER SWITCH

TRANSPORTER PARKING

SRB TRANSPORTER ROAD

6" RMJ GV V-YVFH1040

FIRE HYDRANT YVFH1040 SEE DETAIL 1 C161

ASPHALT

SOFT DIG-WSD149 GROUND ELEV=6.3 (6" PVC WM) TOP OF PIPE ELEV=5.19

CONNECTION SEE DETAIL 137 C76 C147

K6-0545

MATCHLINE - SEE C75

MATCHLINE - SEE C77

LAUNCHER ROAD PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

C76

THIS SPACE RESERVED

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA.

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 85

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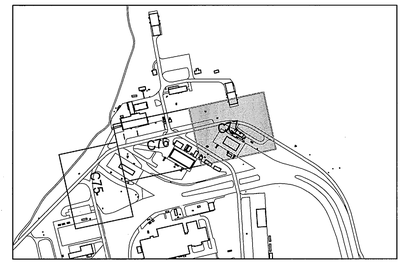

KEY MAP
NTS

MATCHLINE - SEE C76

1 UTILITY CONFLICT ● C163 SEE DETAIL (TYP)

SOFT DIG-WSD152 GROUND ELEV=6.0 (12" ACP WM) TOP OF PIPE ELEV=3.61

SOFT DIG-WSD153 GROUND ELEV=5.9 (8" UGE) TOP OF PIPE ELEV=3.55

STORM PIPE 24" RCP S INV=1.75

CONC SLEEPER TOP ELEV=7.63

(2) 12" RMJ 11.25° BENDS

12"x6" RMJ DI TEE

N: 1547676.72
E: 767876.26

12" RMJ 11.25° BEND

CONC PAD W/ ELECTRIC SUB STATION

CONNECTION 138 SEE DETAIL C77|C147

12" RMJ 11.25° BEND

12"x6" RMJ DI TEE

POLE (ABANDONED IN PLACE)

12" DI WM

STORM INLET RIM ELEV=5.19

BACTERIOLOGICAL SAMPLE POINT 7 ● C159 SEE DETAIL

6" DI WM

4 ASPHALT PAVEMENT RESTORATION ● C158 SEE DETAIL (TYP)

CONCRETE PALLETS

OVERHEAD 6" FIRELINE

CONC PAD W/ ELECTRIC SUB STATION

SHED

FIBER

LAUNCHER RD

12" DI WM

12" RMJ 11.25° BEND

12" RMJ GV W/ RESTRAINED PLUG NV-424-12

6" RMJ GV V-YVFH1080

6" RMJ GV V-YVFH1060

6" RMJ DI TEE

6" RMJ GV NV-422-6

CONC SLEEPER TOP ELEV=7.50

POLE (ABANDONED IN PLACE)

STORAGE LOCKER

EXISTING 12" AC WM AIP

FIRE HYDRANT YVFH1080 1 ● C161 SEE DETAIL

FIRE HYDRANT YVFH1060 1 ● C161 SEE DETAIL

PLATFORM STAIRS

CONC PAD (TEST EQUIP)

OVERHEAD WATER (FIRE SERVICE)

SANITARY SEWER FIBERGLASS LIFT STATION TOP ELEV=6.08

CONC PADS FOR STAIRS

SOFT DIG-WSD155 GROUND ELEV=5.0 (NO DATA) TOP OF PIPE ELEV=NO DATA

SOFT DIG-WSD156 GROUND ELEV=6.3 (6" PVC WM) TOP OF PIPE ELEV=3.64

SOFT DIG-WSD157 GROUND ELEV=6.4 (6" ACP) TOP OF PIPE ELEV=2.81

UNKNOWN UTILITY

SIGN "NO PARKING"

CONNECTION 136 SEE DETAIL C77|C147

BLDG

SOFT DIG-WSD154 GROUND ELEV=5.2 (NO DATA) TOP OF PIPE ELEV=NO DATA

CONC DOOR PAD

LAUNCHER ROAD PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 86	

C77

SC FORM 1-11 (3/76)(C/G 3/94)

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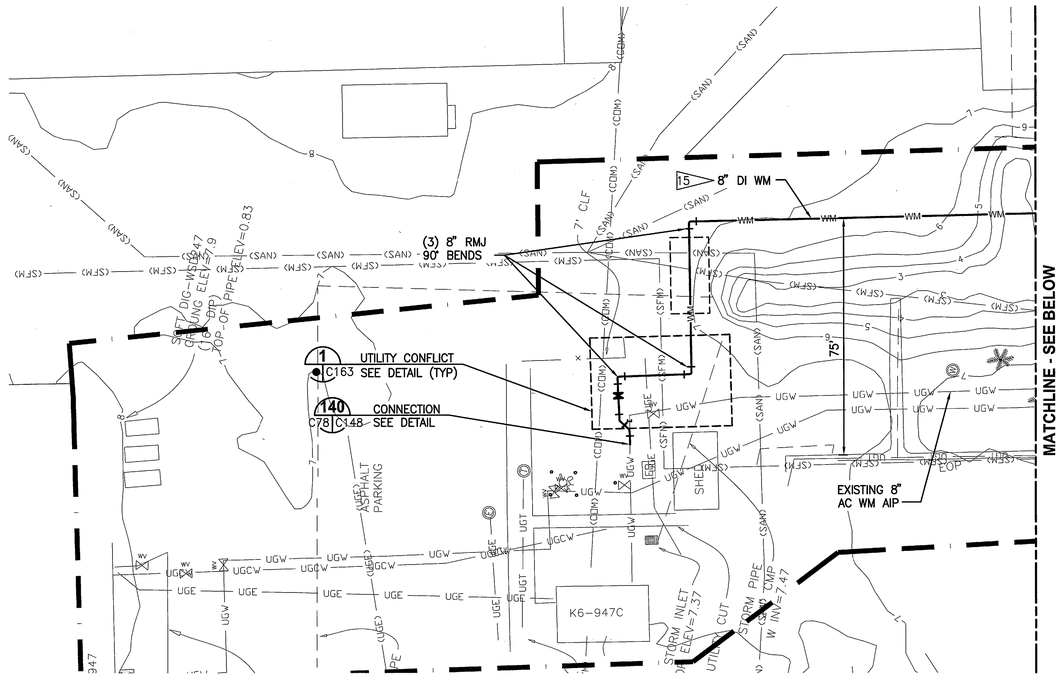
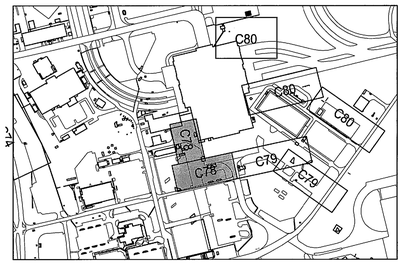
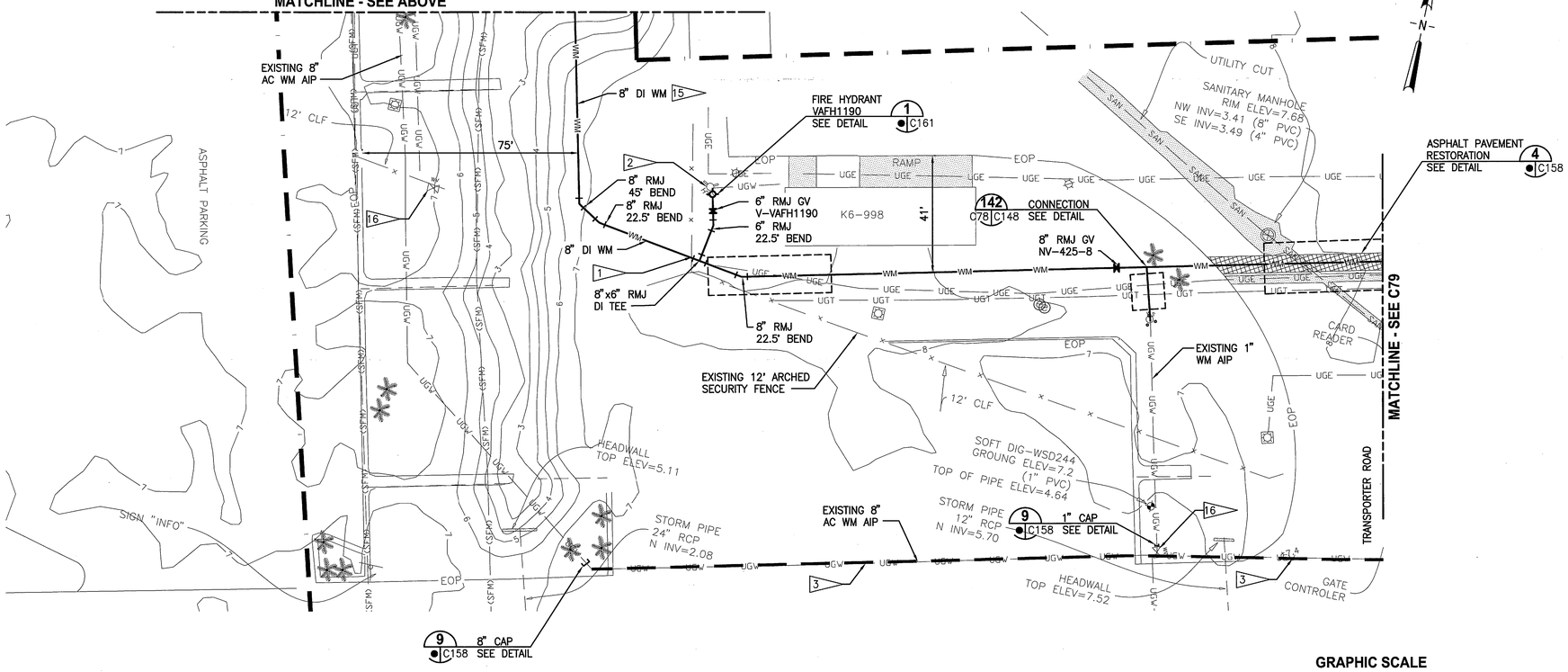


K6-0848 PLAN
1"=20'



KEY MAP
NTS



K6-0848 PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

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A		GENERAL REVISIONS	10/31/11	

REVISIONS

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K. MILLER	11/1/11

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JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 87	

C78

NSC FORM 1-11 (3/76)(C/G 3/94)

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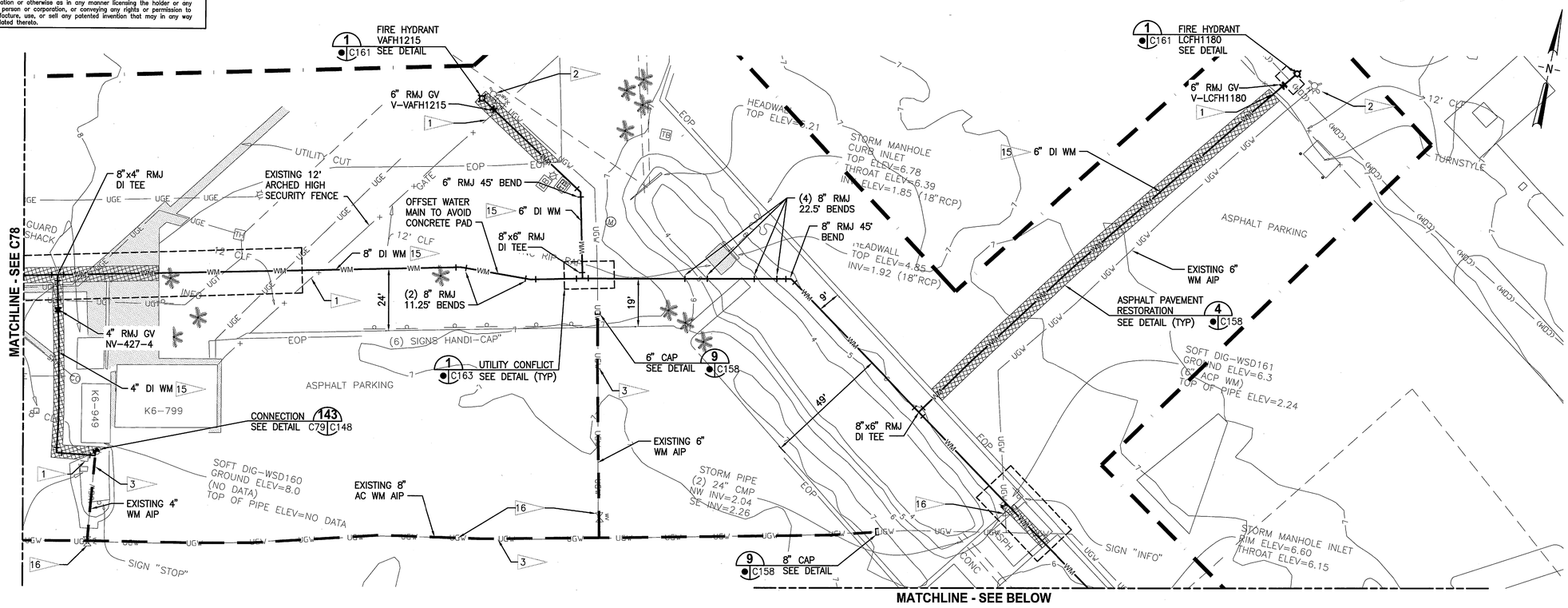
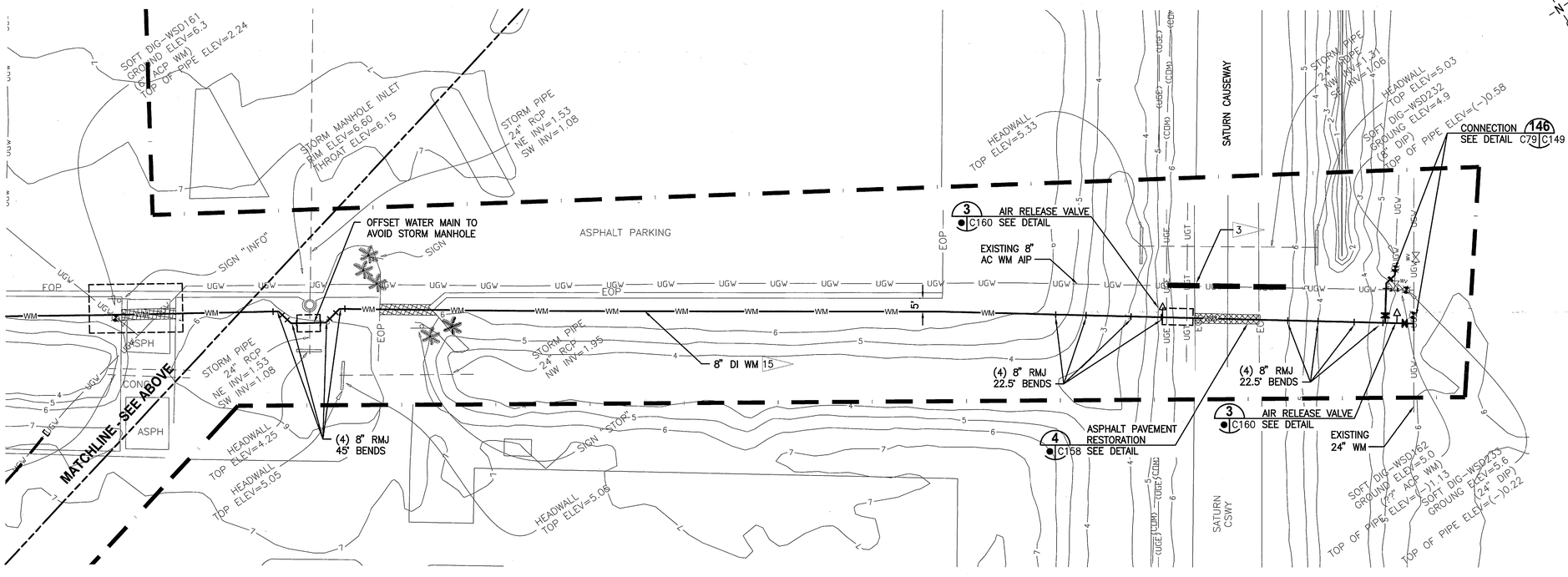


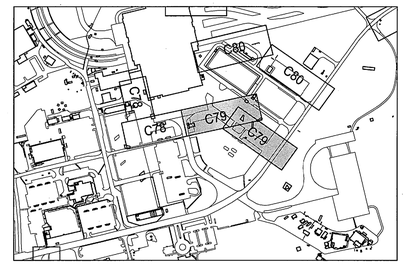
VAB ROAD & TRANSPORTER ROAD PLAN

1"=20'



SATURN CAUSEWAY PLAN

1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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ST of LICENSURE: FL	
LICENSE NO: 69875	
APPROVED M. CLARK	11/3/11
K. MILLER	11/4

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 88	

C79

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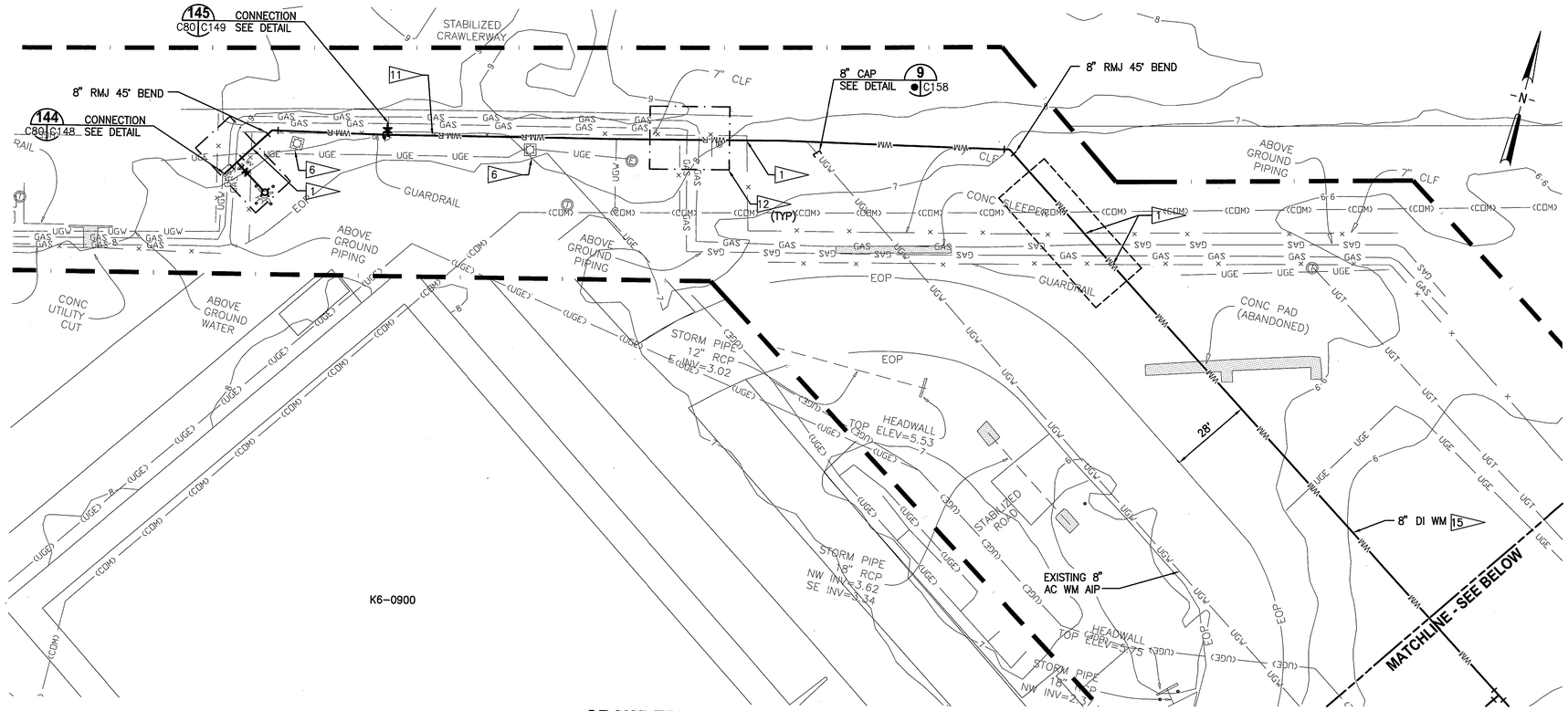
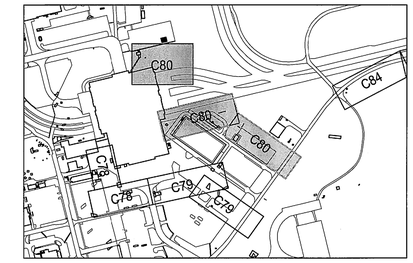
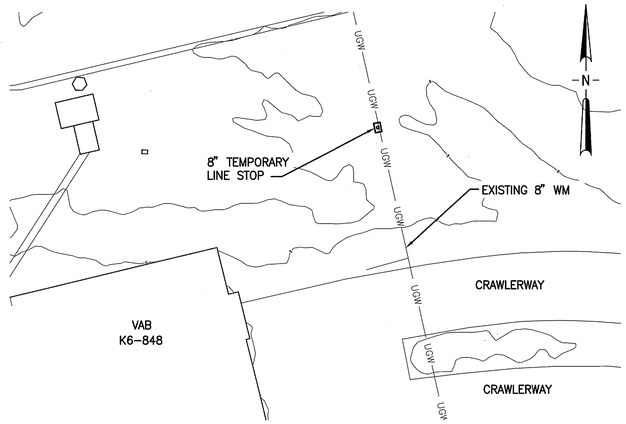


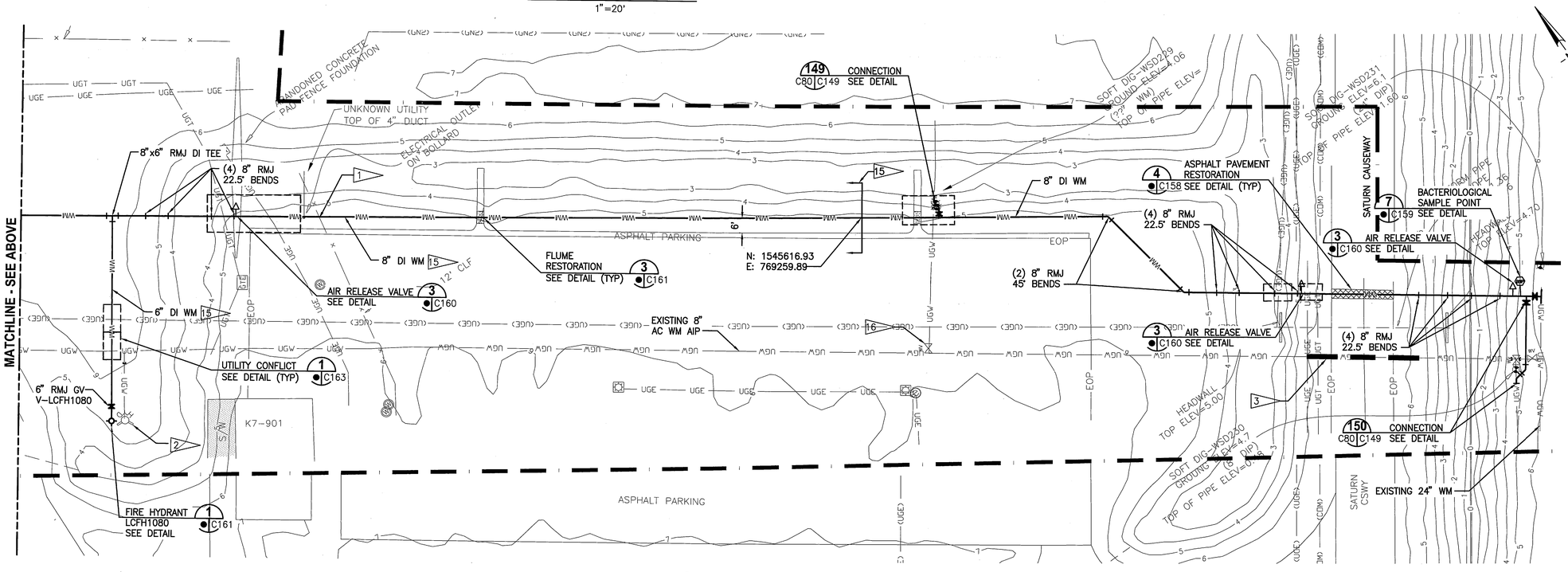
CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



VAB PLAN
1"=50'



SATURN CAUSEWAY PLAN
1"=20'

GRAPHIC SCALE 0 25 50 100 — SCALE IN FEET 1"=50'

GRAPHIC SCALE 0 10 20 40 — SCALE IN FEET 1"=20'

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K. MILLER	10/31/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 89	

C80

C FORM 1-11 (3/76)(C/G 3/94)

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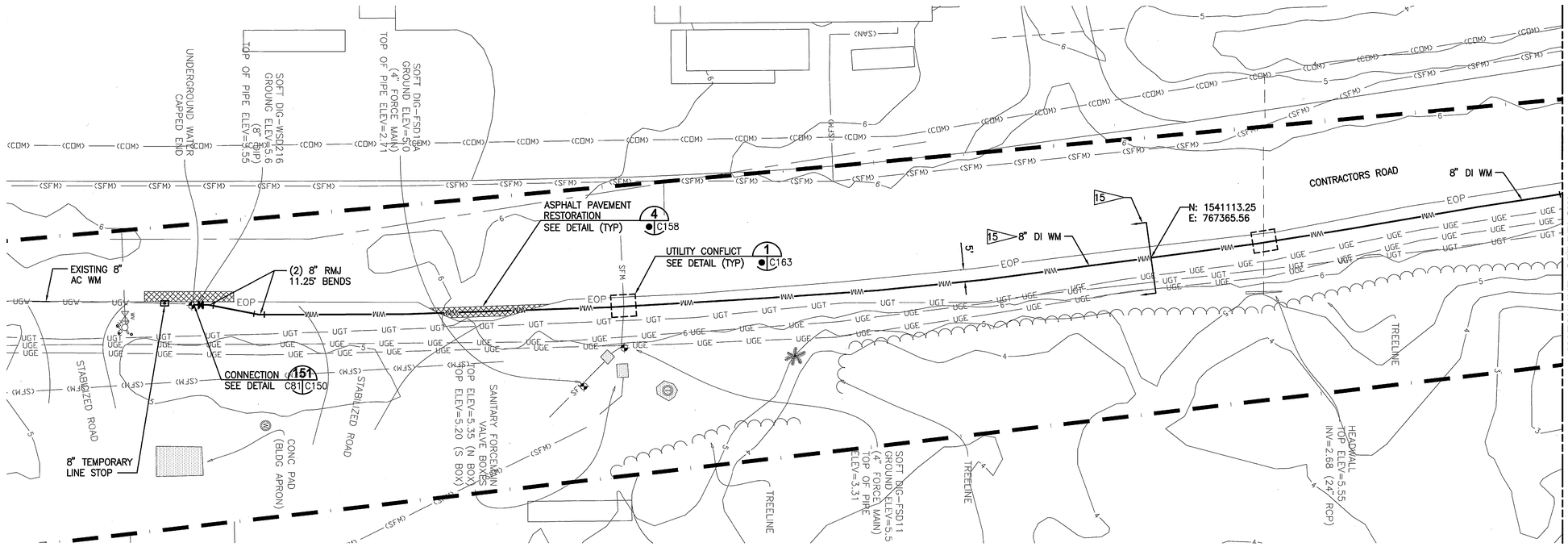
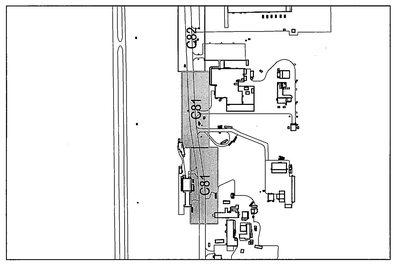
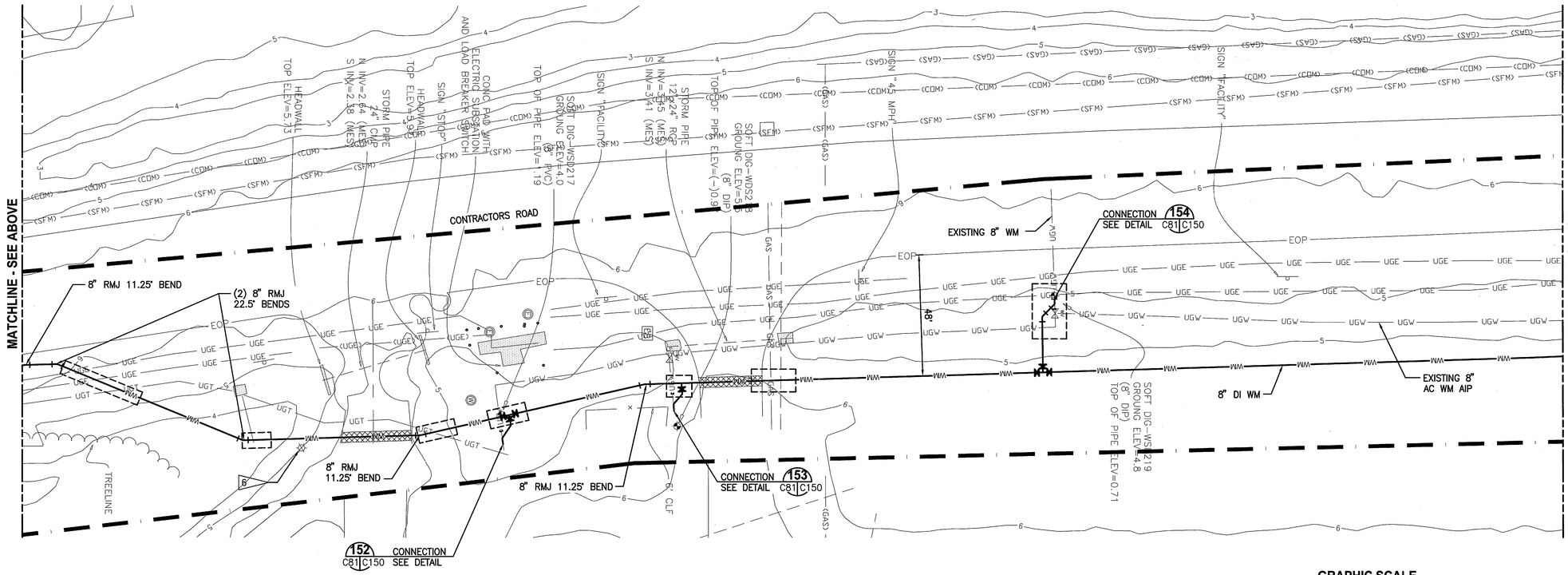


CONTRACTORS ROAD PLAN
1"=20'



KEY MAP
NTS



CONTRACTORS ROAD PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

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A		GENERAL REVISIONS	10/31/11	

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5 WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 90

C81

FSC FORM 1-11 (3/76)(C/G 3/94)

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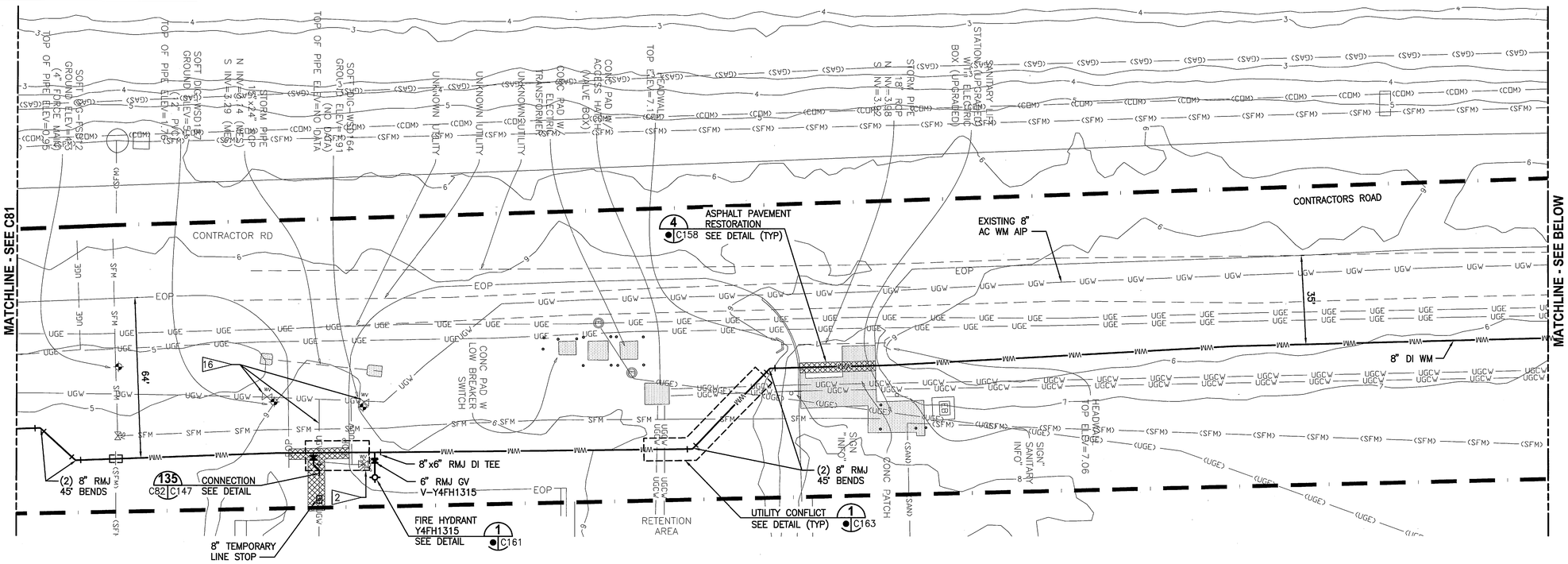
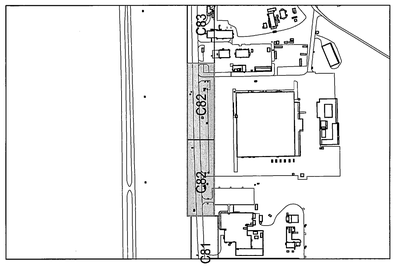
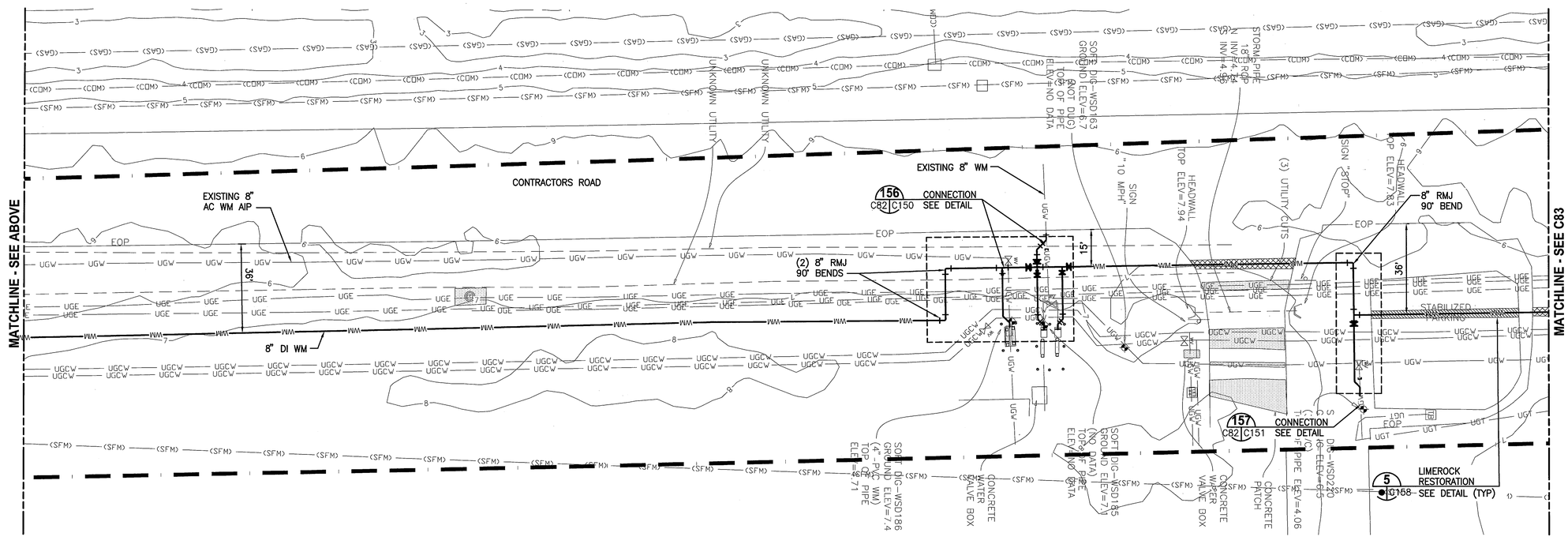


CONTRACTORS ROAD PLAN
1"=20'



KEY MAP
NTS



CONTRACTORS ROAD PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 91	

C82

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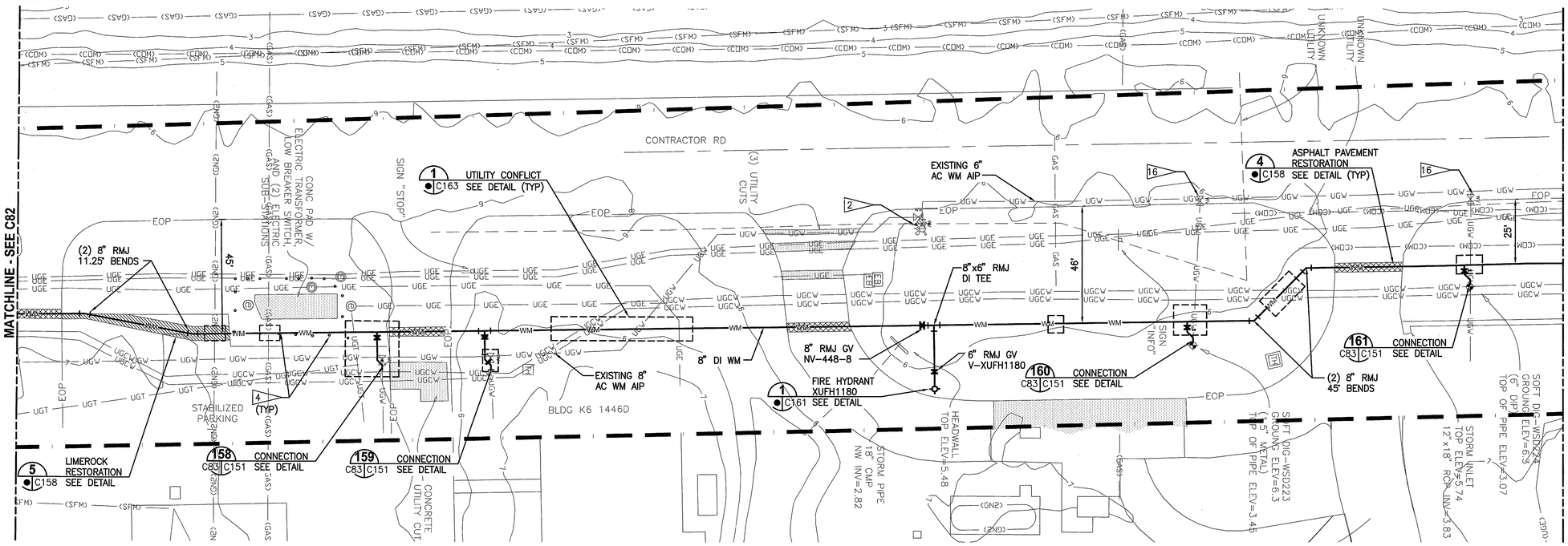
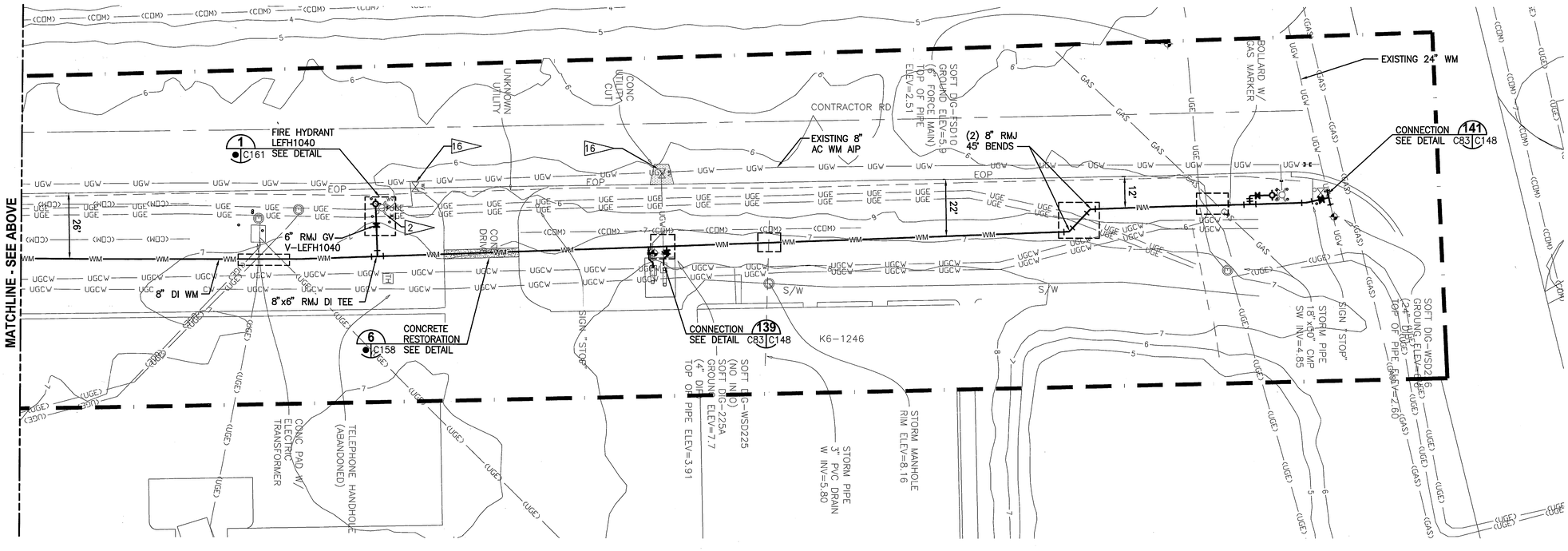
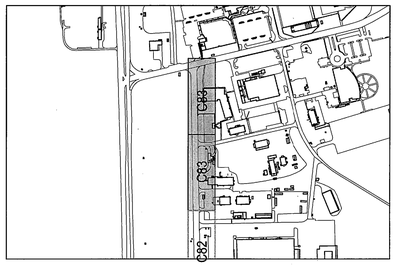


CONTRACTORS ROAD PLAN
1"=20'



CONTRACTORS ROAD PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'



KEY MAP
NTS

THIS SPACE RESERVED

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REVISIONS

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 92	

C83

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CRAWLERWAY PLAN

1"=20'

KEY MAP

NTS

CRAWLERWAY PLAN

1"=20'

GRAPHIC SCALE

0 10 20 40

SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
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REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5 WATER SYSTEM

WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 | SHEET 93

C84

KSC FORM 1-11 (3/76)(C/G 3/94)

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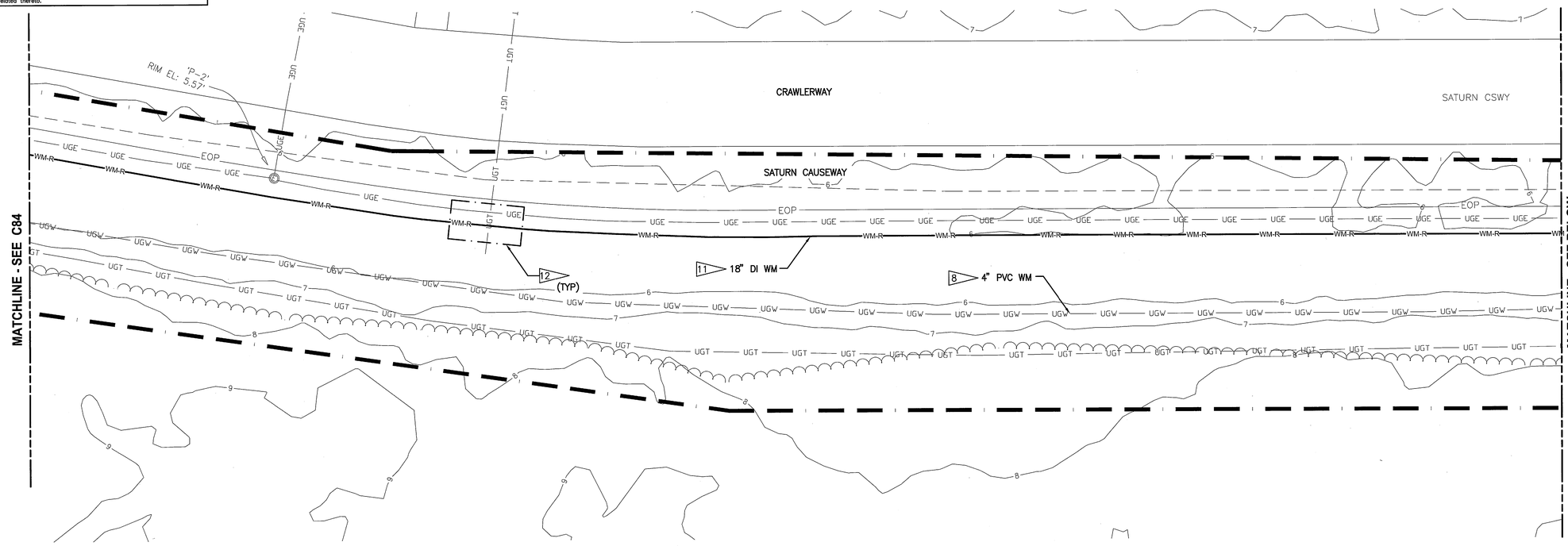
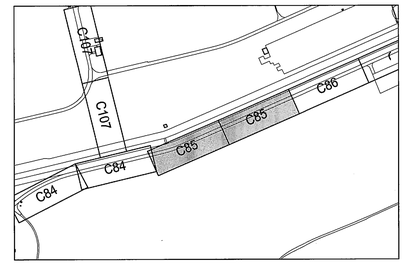
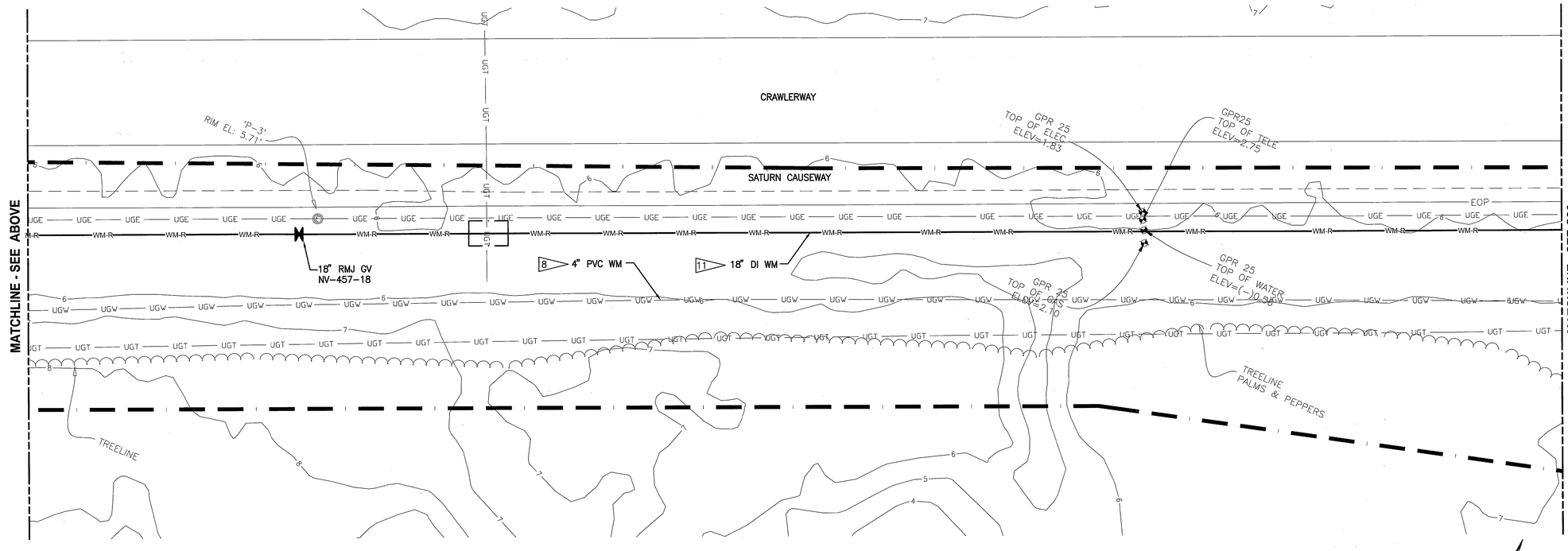


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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K. MILLER	

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 94	

C85

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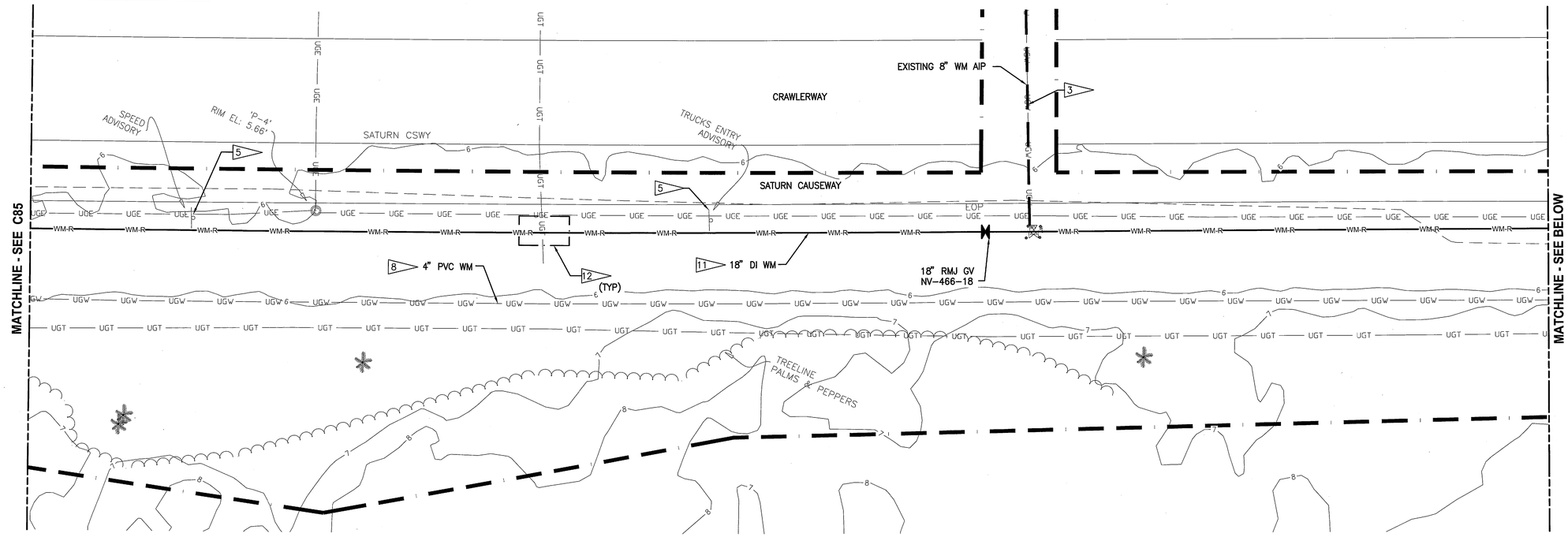
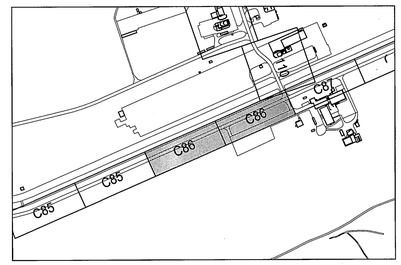


CRAWLERWAY PLAN
1"=20'



KEY MAP
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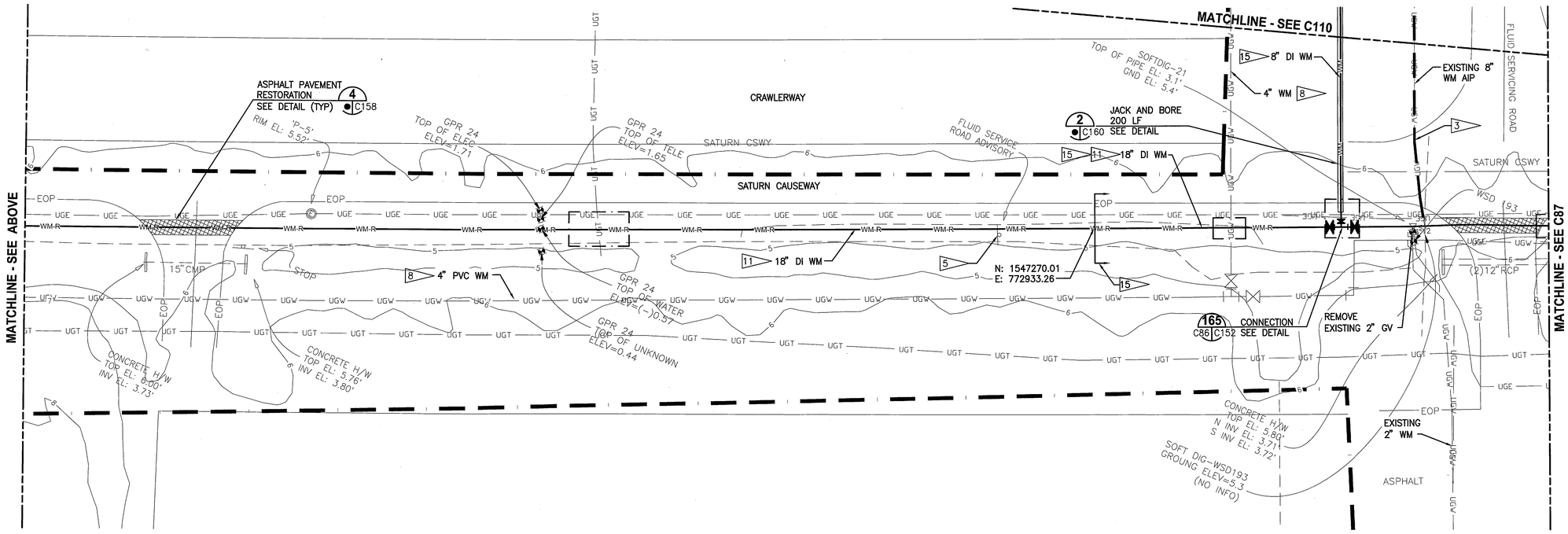

CRAWLERWAY PLAN
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GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

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A		GENERAL REVISIONS	10/31/11	

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K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

C86

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 95	

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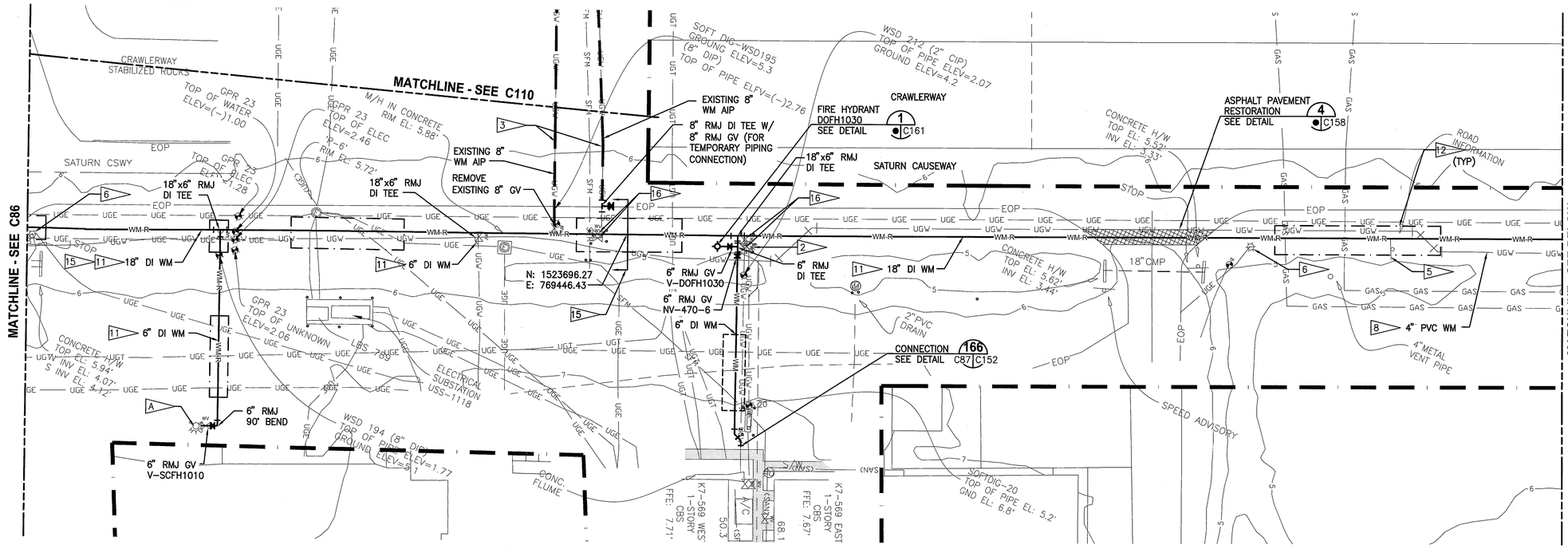
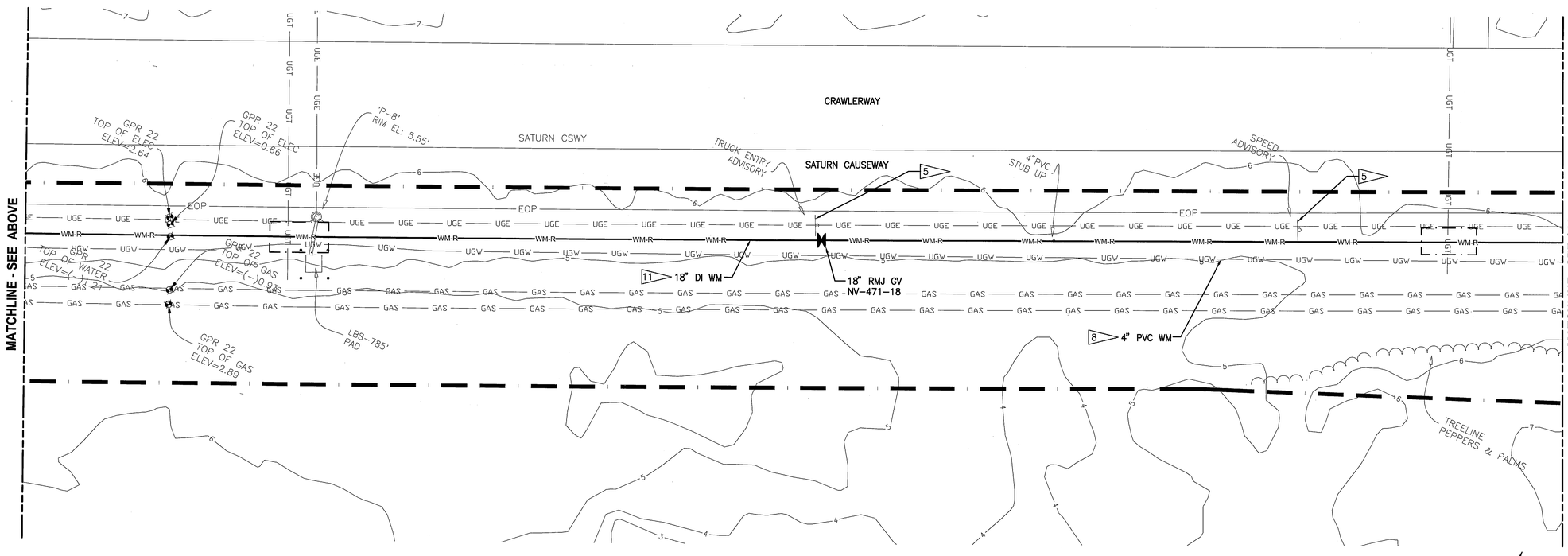
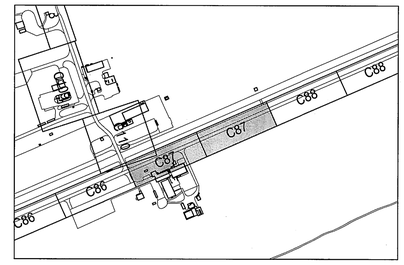


CRAWLERWAY PLAN
1"=20'



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'



KEY MAP
NTS

NOTE:

A RECONNECT EXISTING FIRE HYDRANT TO THE NEW 6" DI WM WITH A 6" RMJ SLEEVE. REINSTALL HYDRANT PER DETAIL 1 C161 (SIM)

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	KM

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K. MILLER	11/11/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 96	

C87

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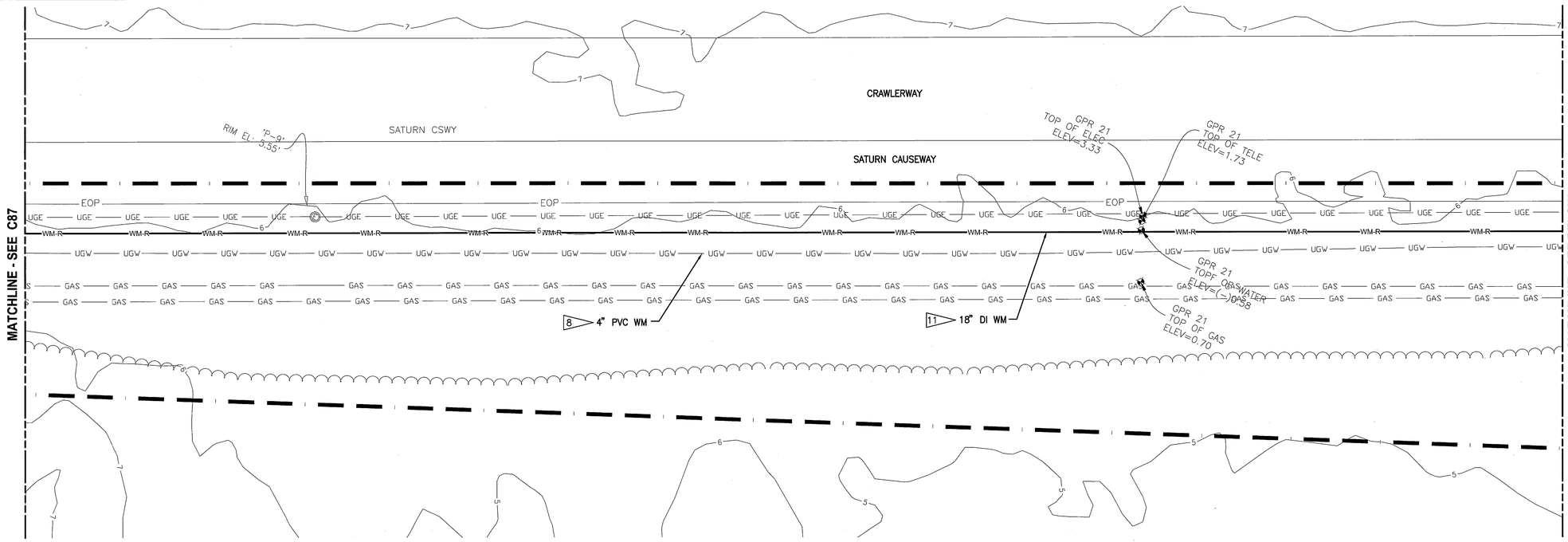
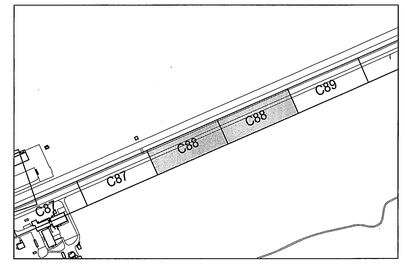
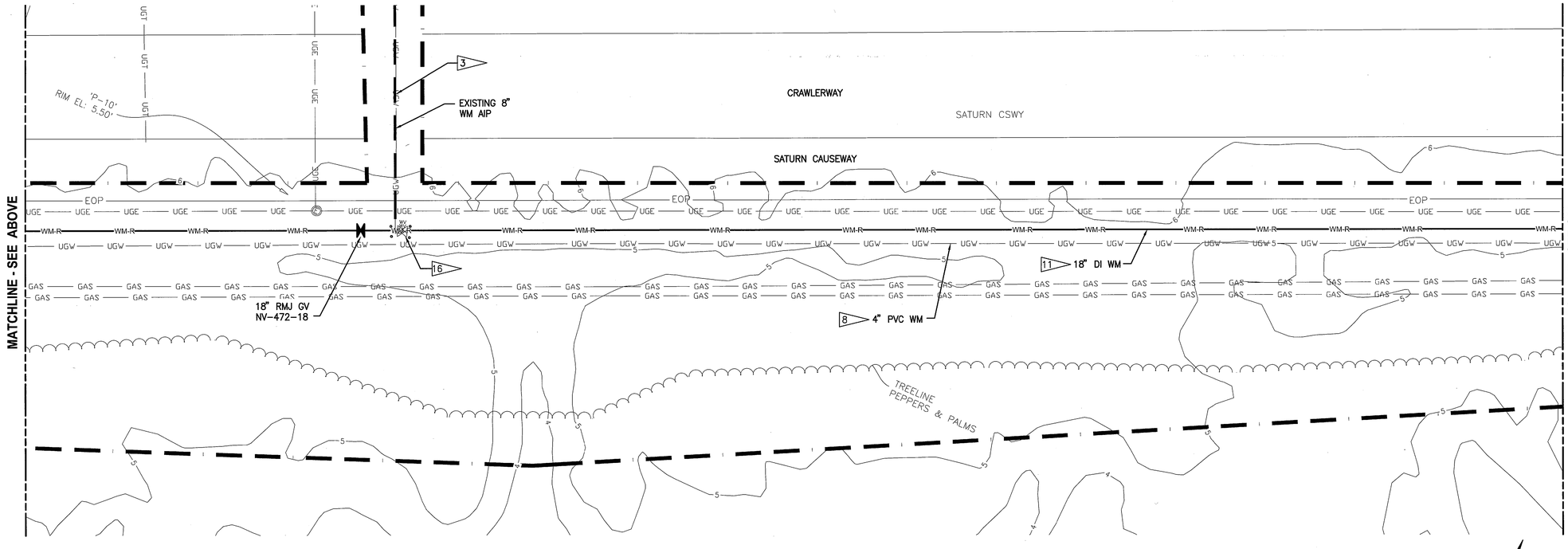


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 | SHEET 97

C88

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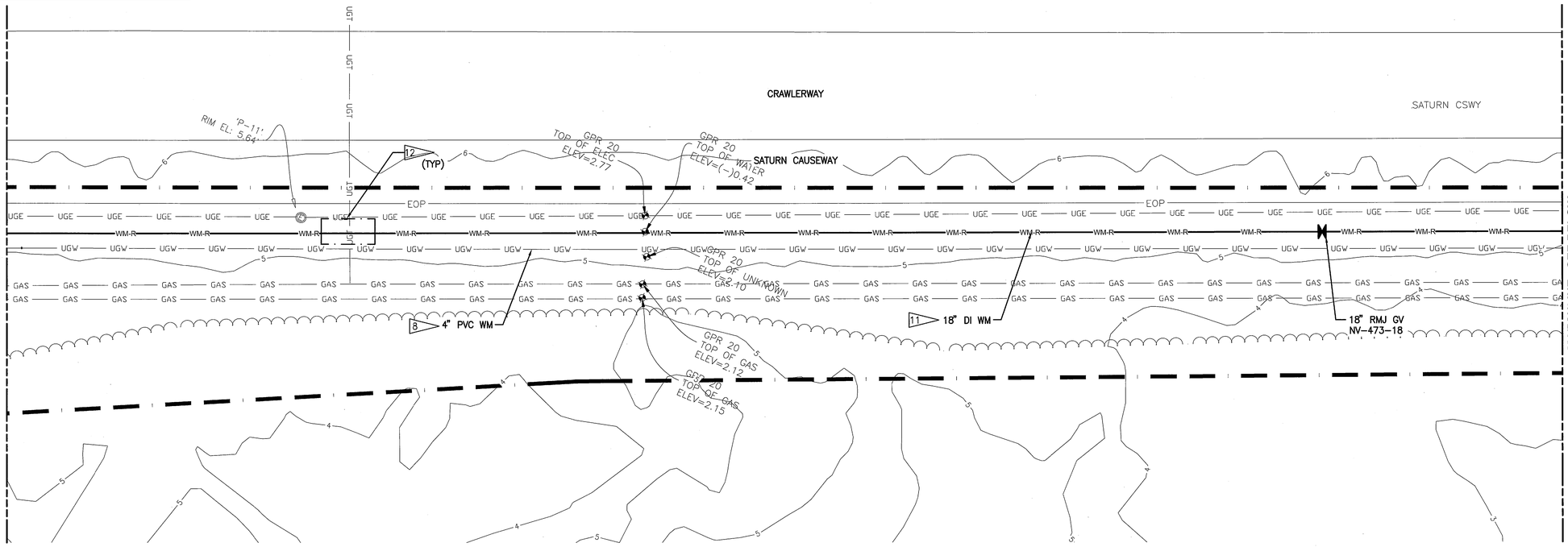
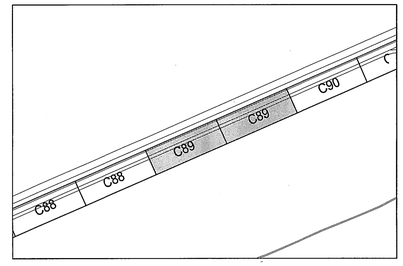
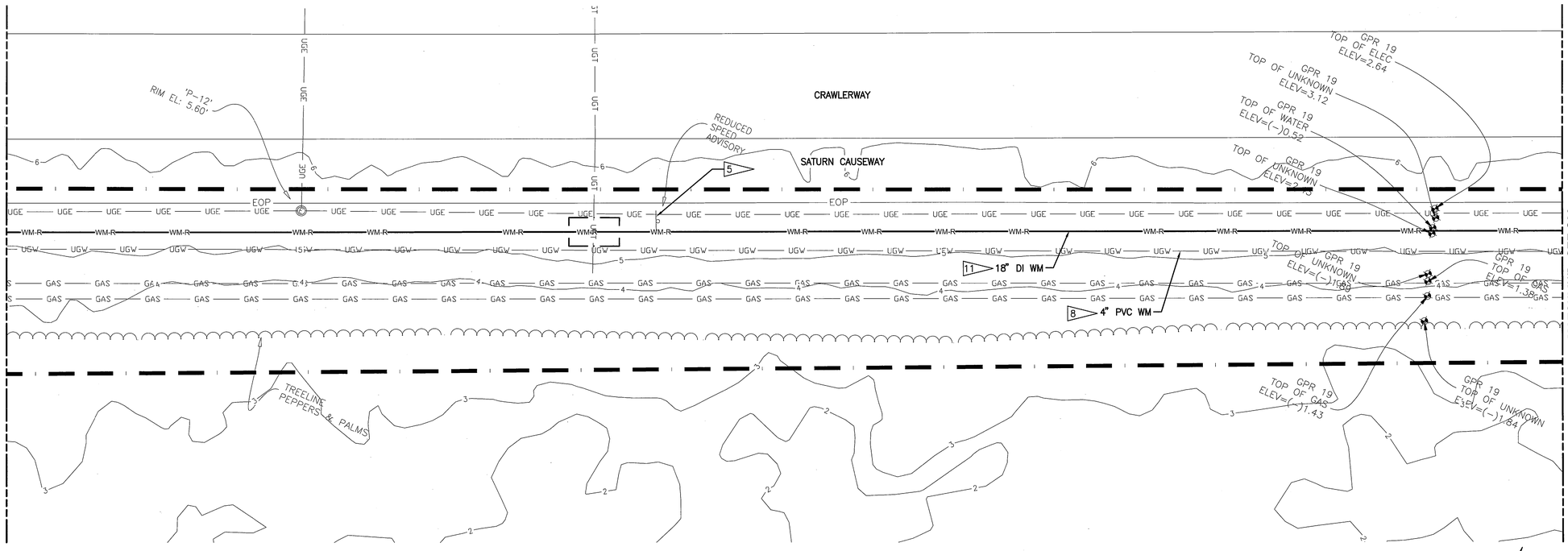


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 98

C89

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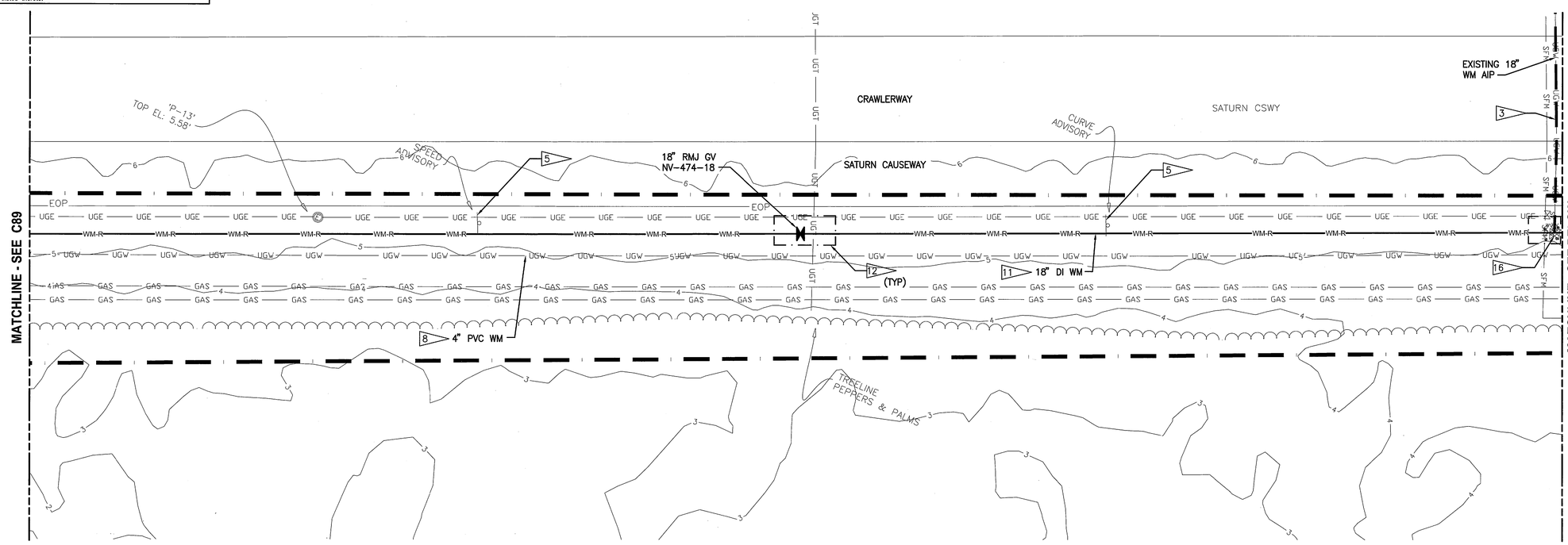
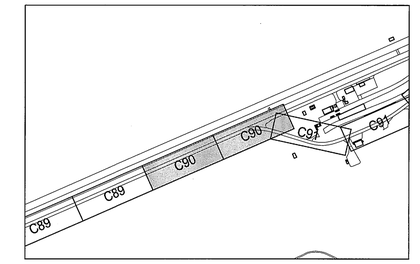


CRAWLERWAY PLAN
1"=20'



KEY MAP
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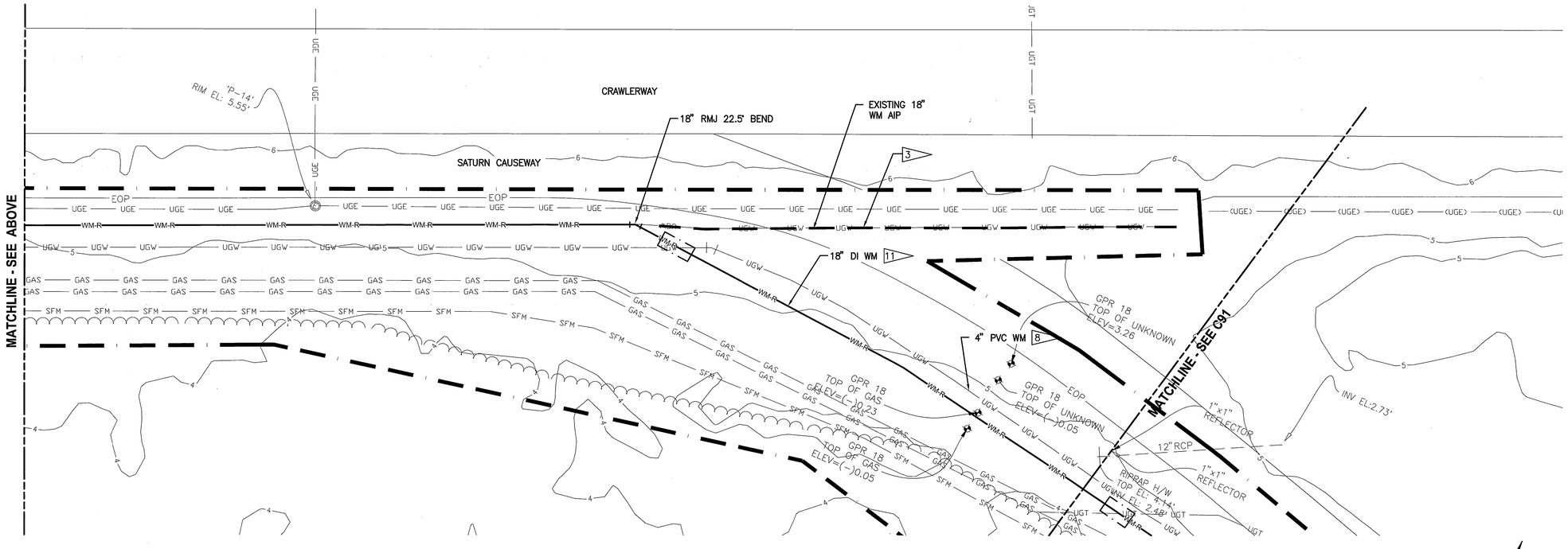

CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

C90

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 99	

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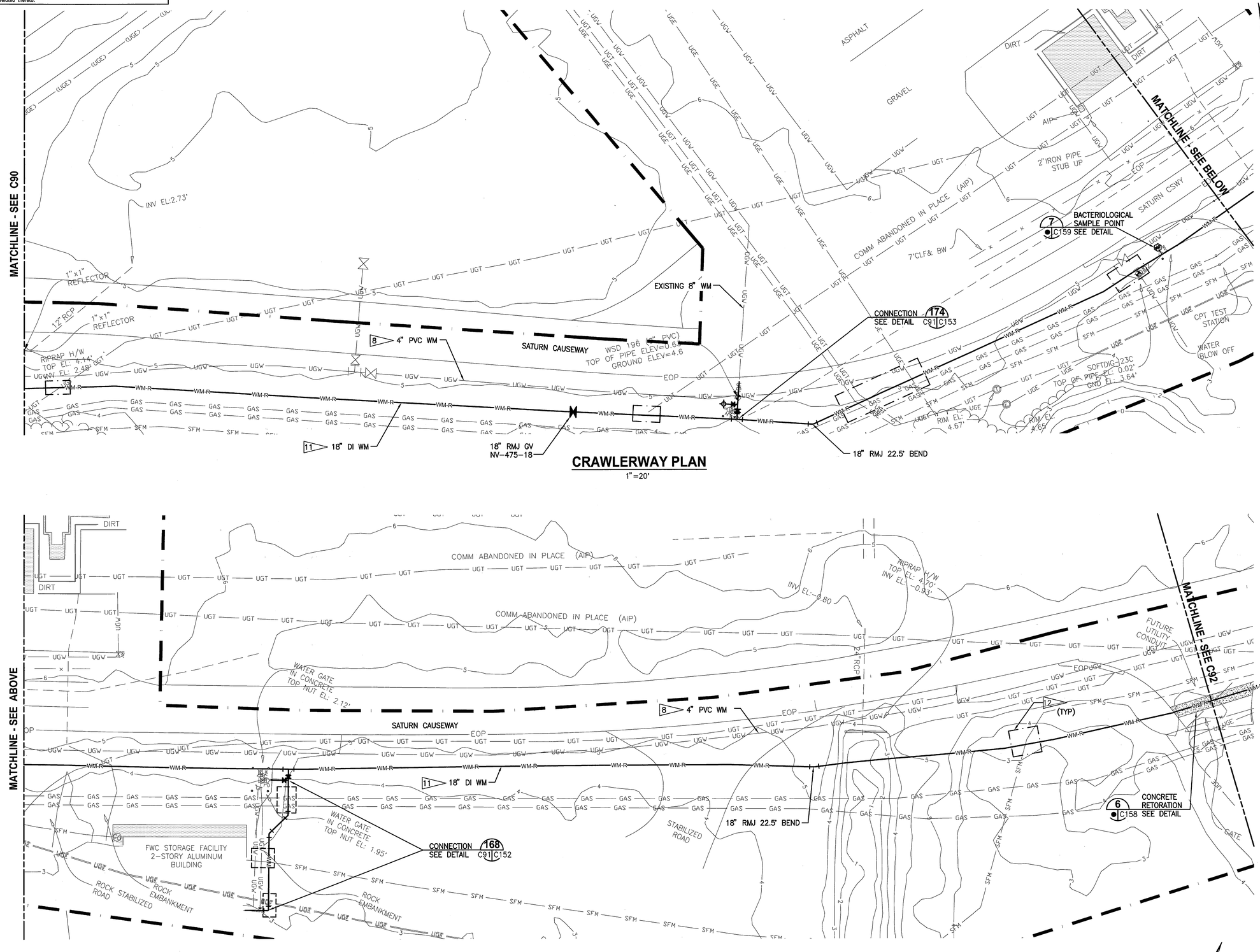
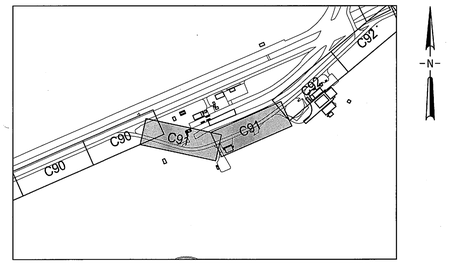


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS

CRAWLERWAY PLAN
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GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
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PROJ. NO. 96968.3 SHEET 100

C91

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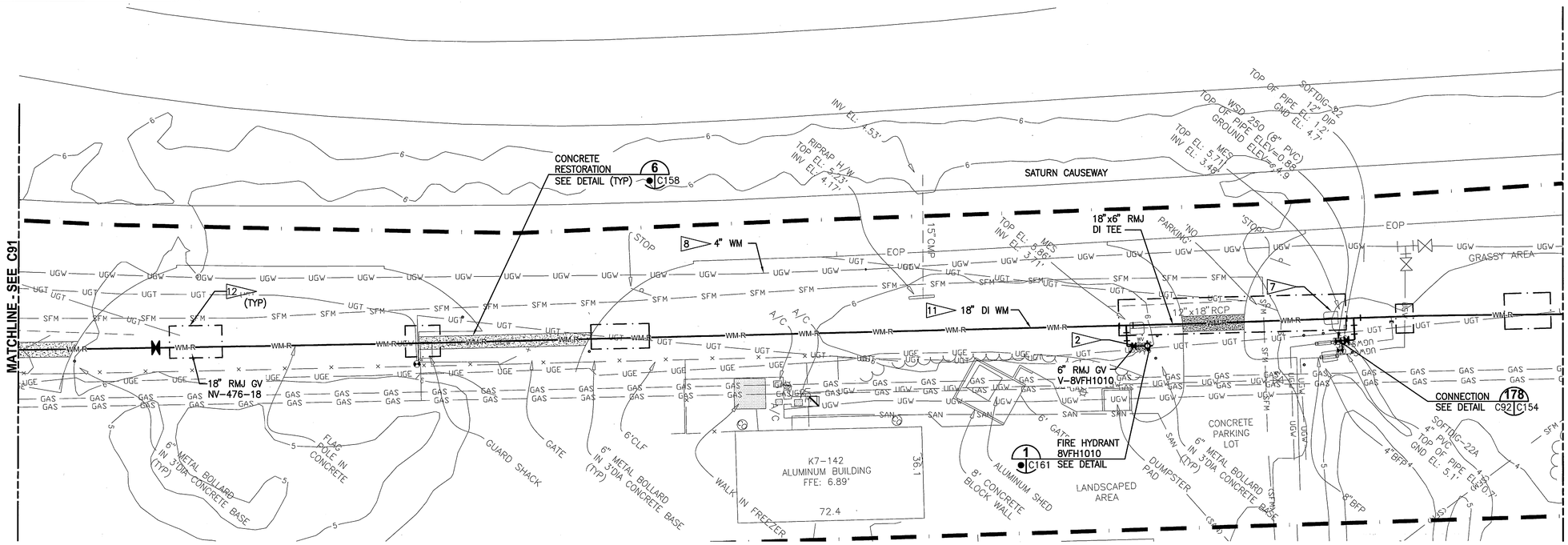

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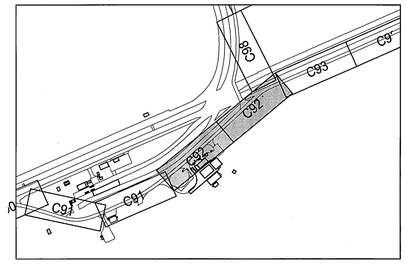
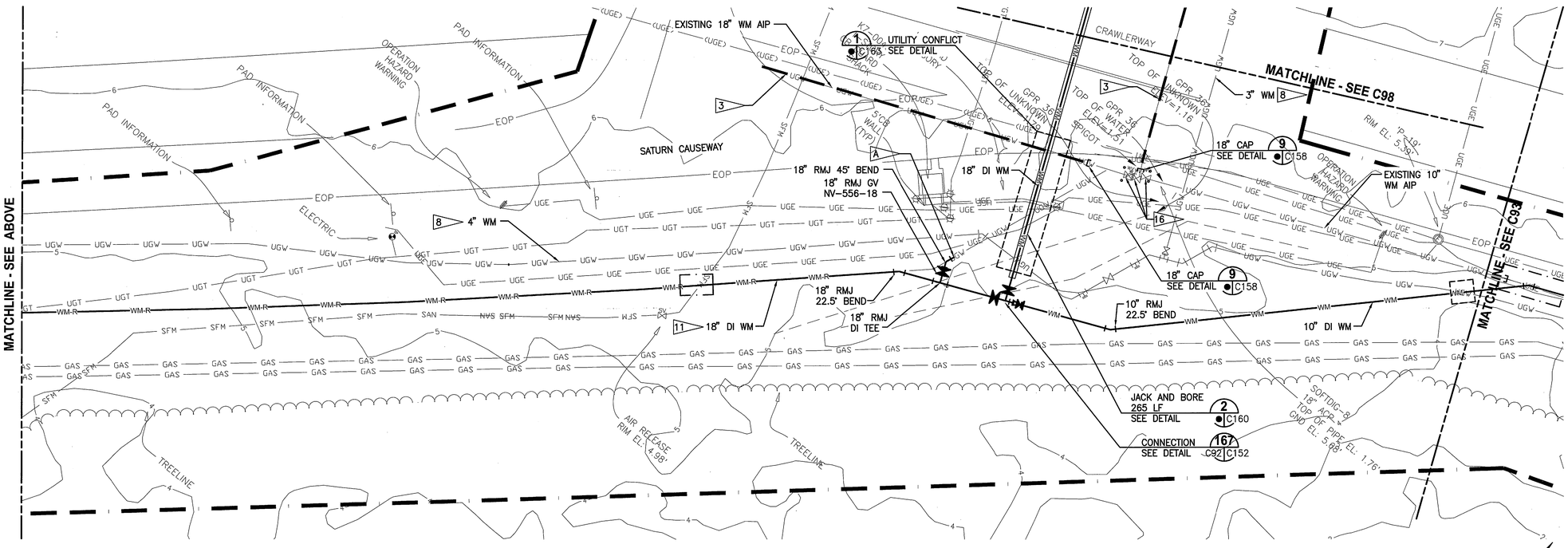


KEY MAP
NTS

NOTE:

A CONNECT TO EXISTING 18" AC WATER MAIN. ONCE INSTALLATION BEGINS FOR THE WATER MAIN REPLACEMENT TO PAD B, REMOVE 3' OF 18" AC WATER MAIN AND INSTALL A RESTRAINED PLUG ON THE 18" GATE VALVE.



CRAWLERWAY PLAN
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GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
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PROJ. NO. 96968.3		SHEET 101	

KSC FORM 1-11 (3/76)(C/G 3/94)

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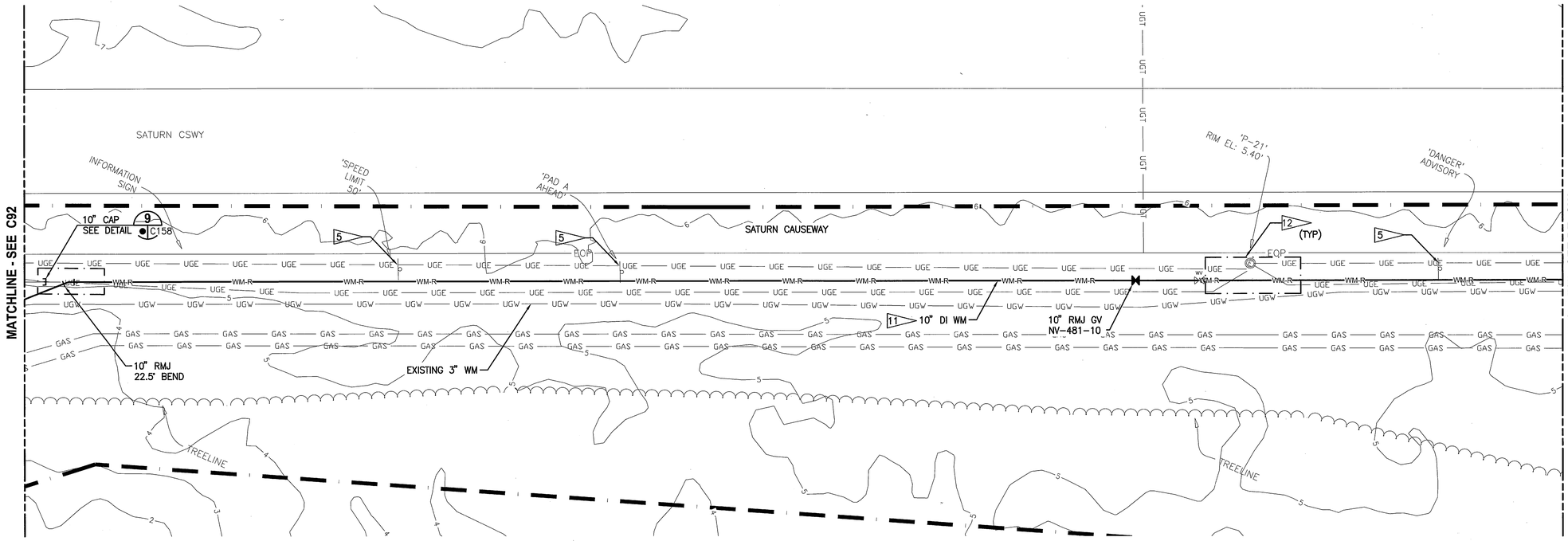
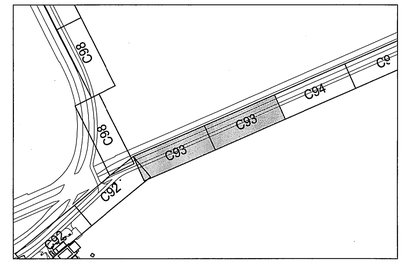
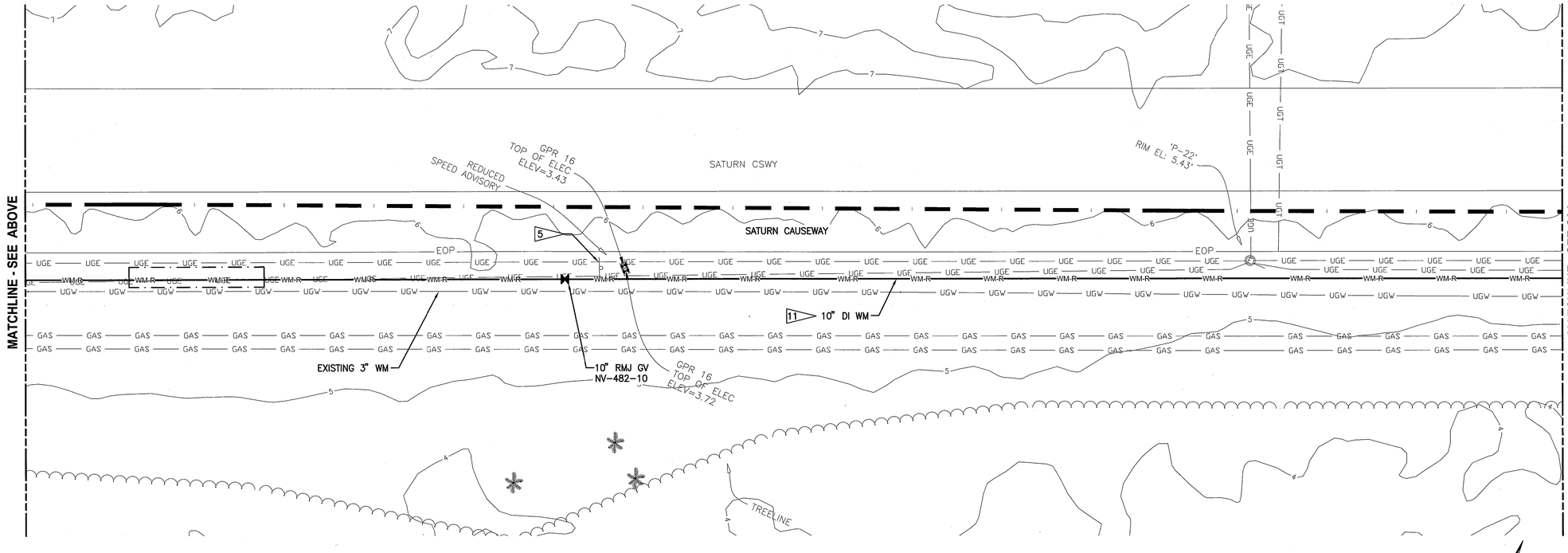


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C93	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 102	

SC FORM 1-11 (3/76)(C/G 3/94)

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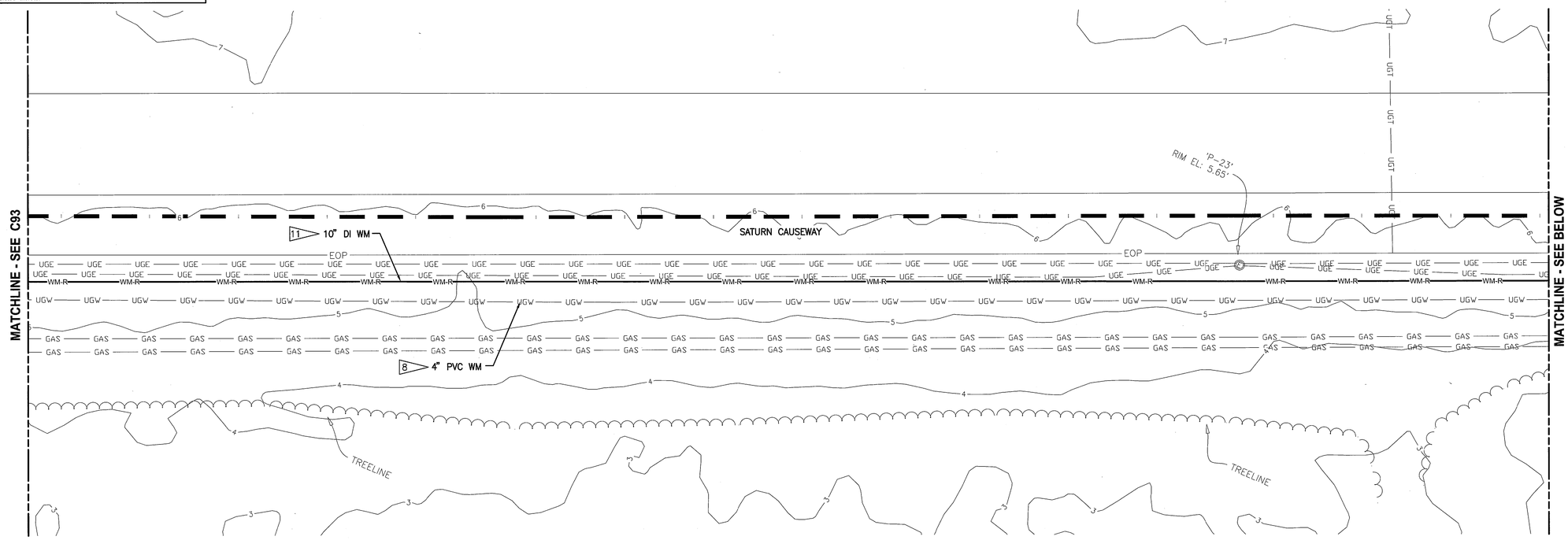
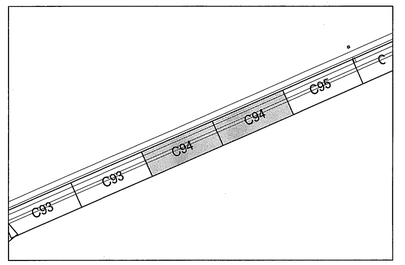
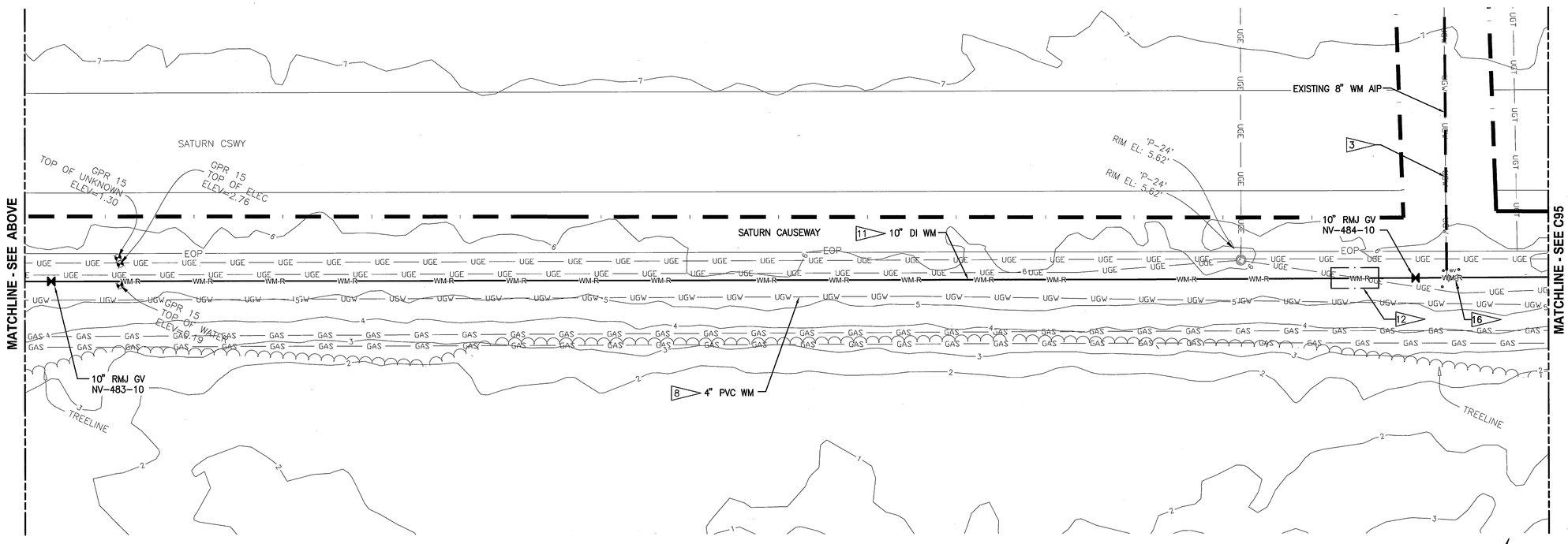


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 103	

C94

SC FORM 1-11 (3/76)(C/G 3/94)

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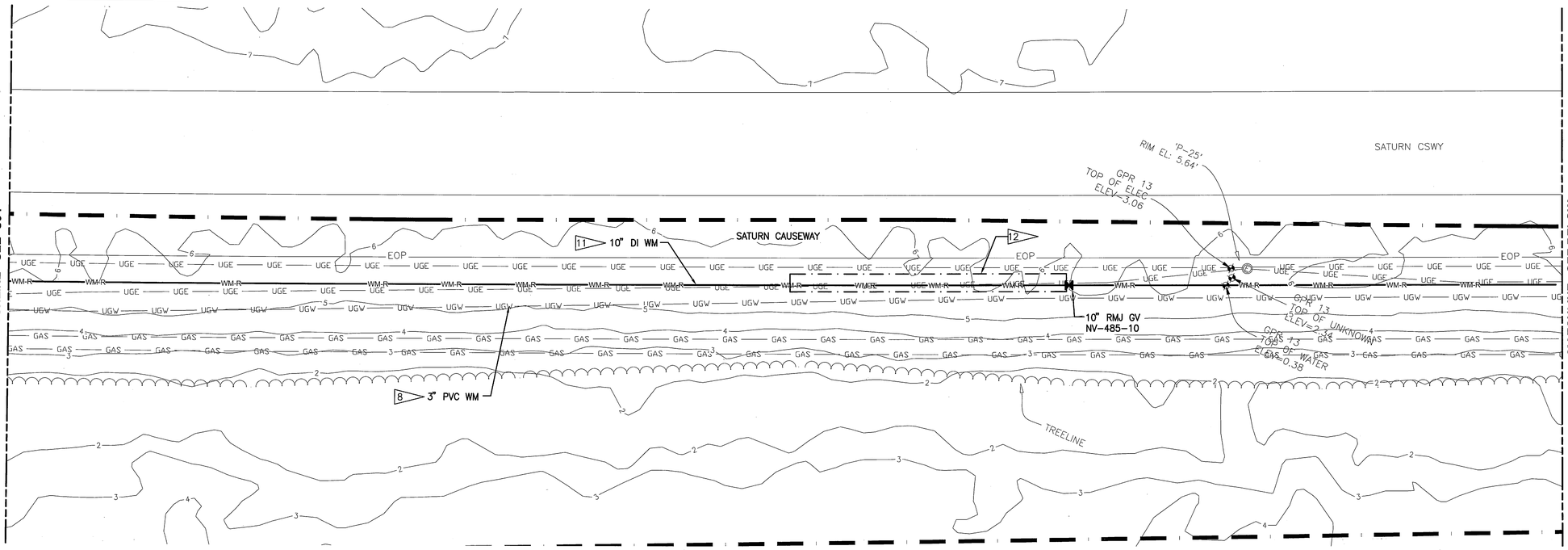
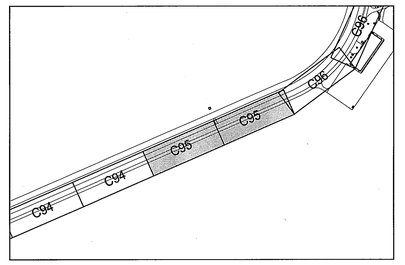
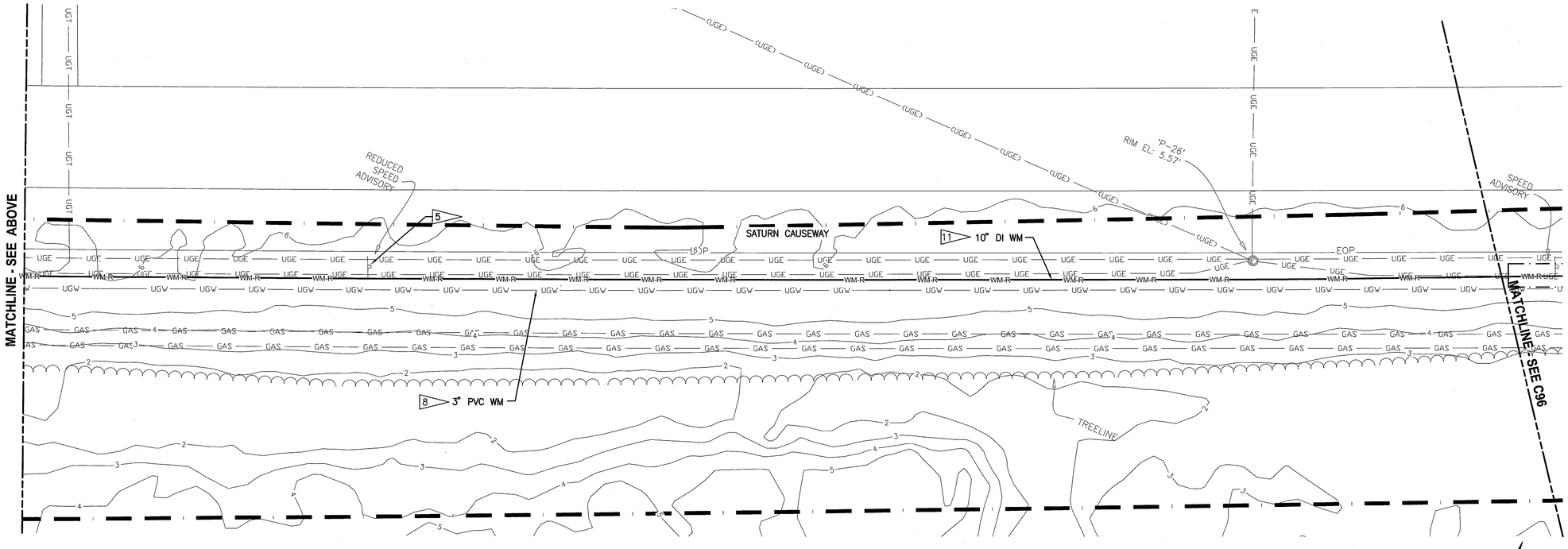


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	10/31/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 104

C95

C FORM 1-11 (3/76)(C/G 3/94)

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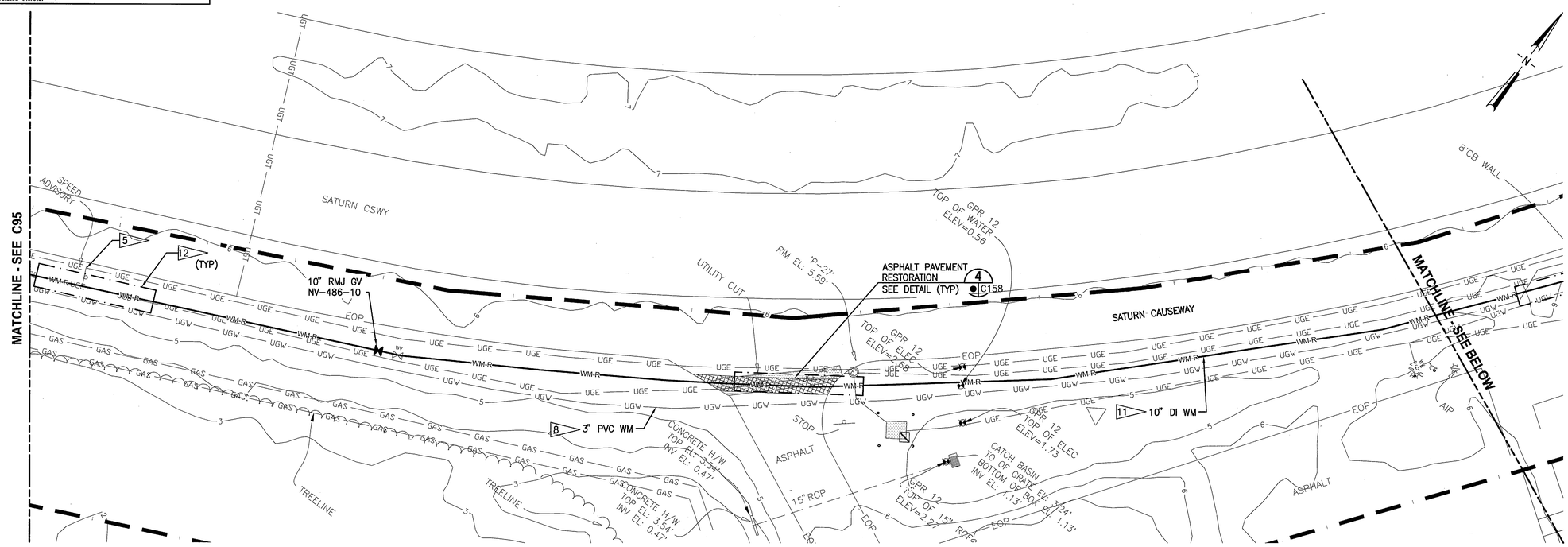
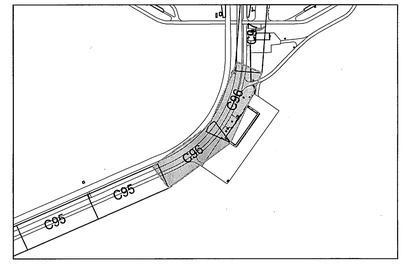
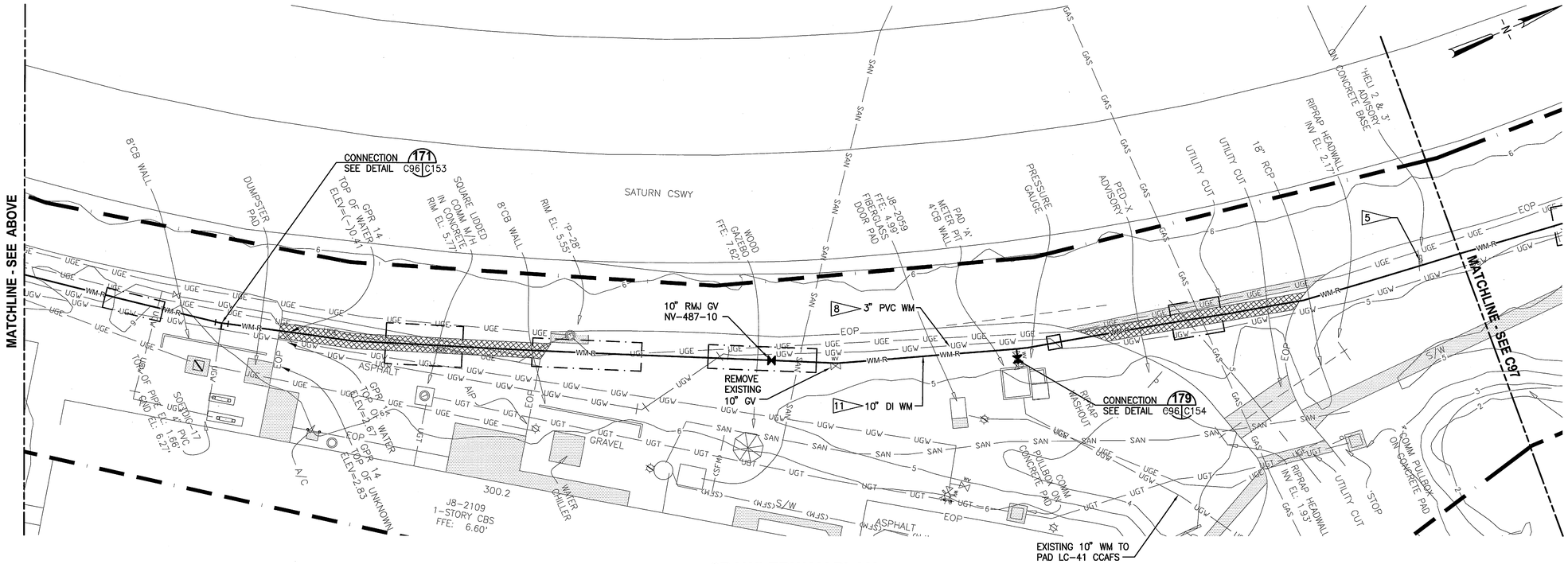


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	KM

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 105	

C96

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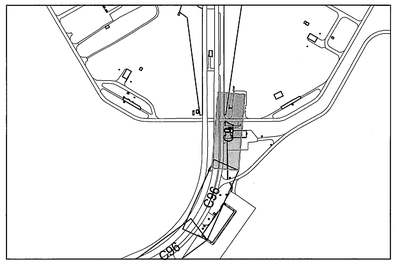

KEY MAP
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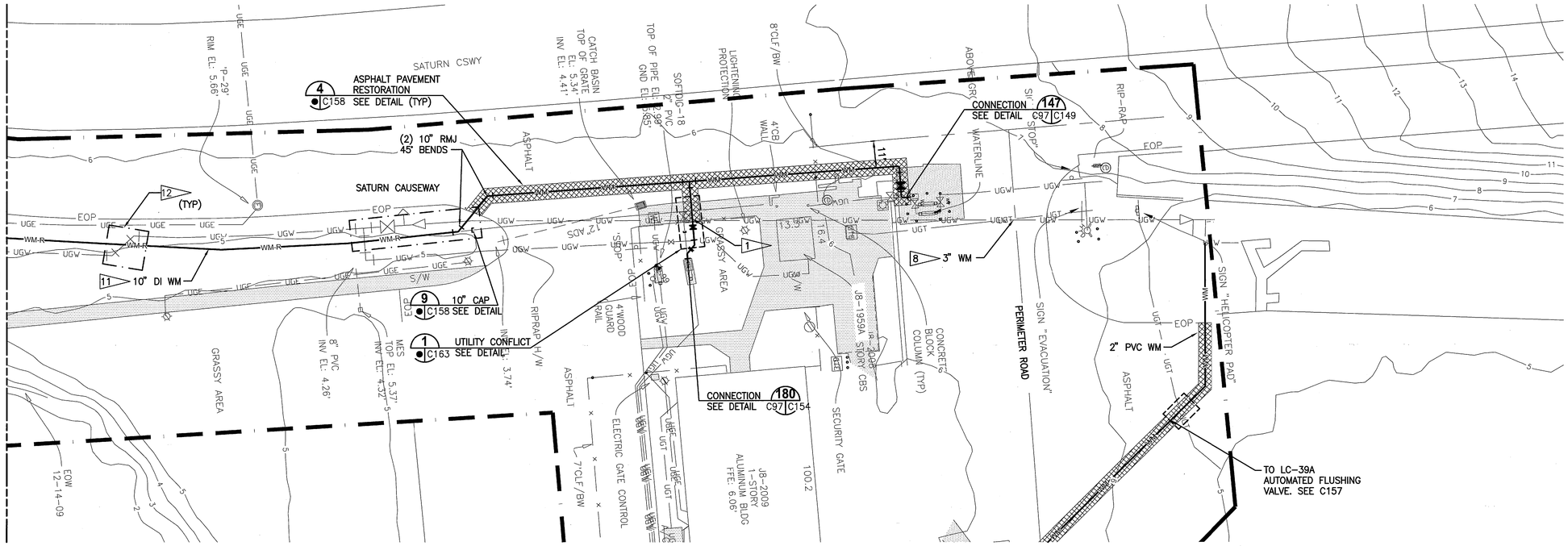

CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

C97

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 106	

KSC FORM 1-11 (3/76)(C/G 3/94)

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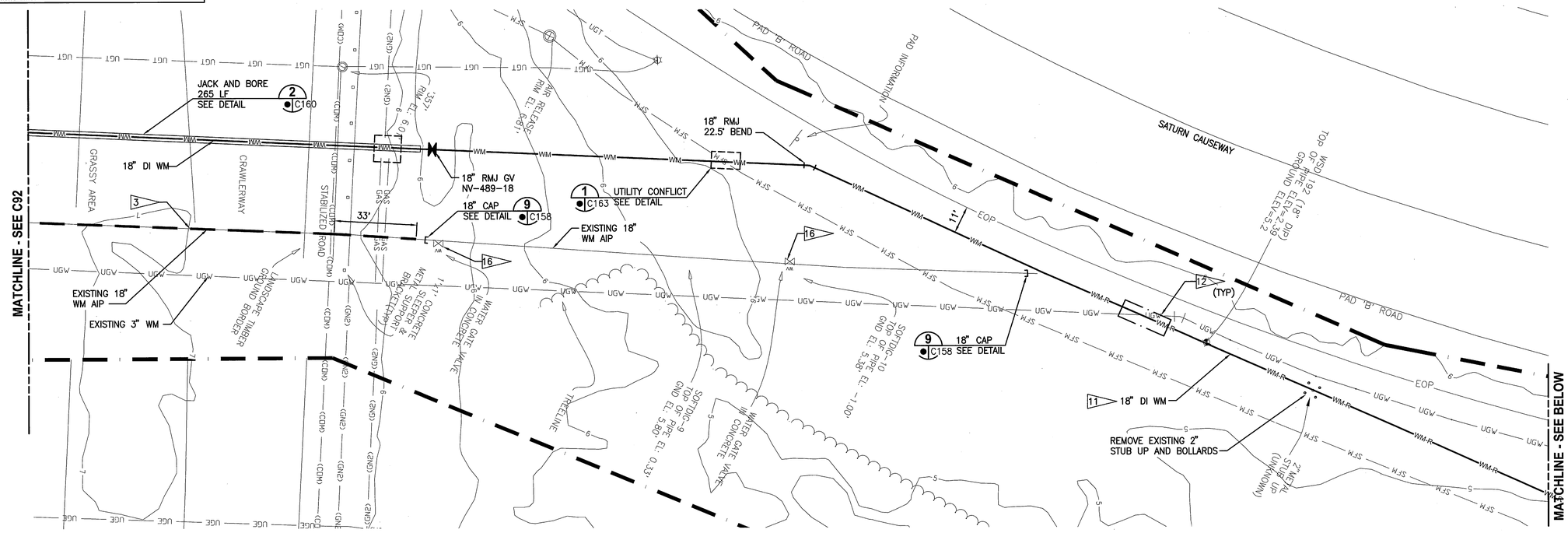
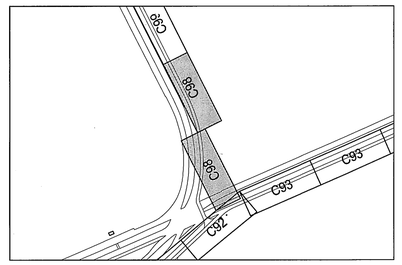


CRAWLERWAY PLAN
1"=20'



KEY MAP
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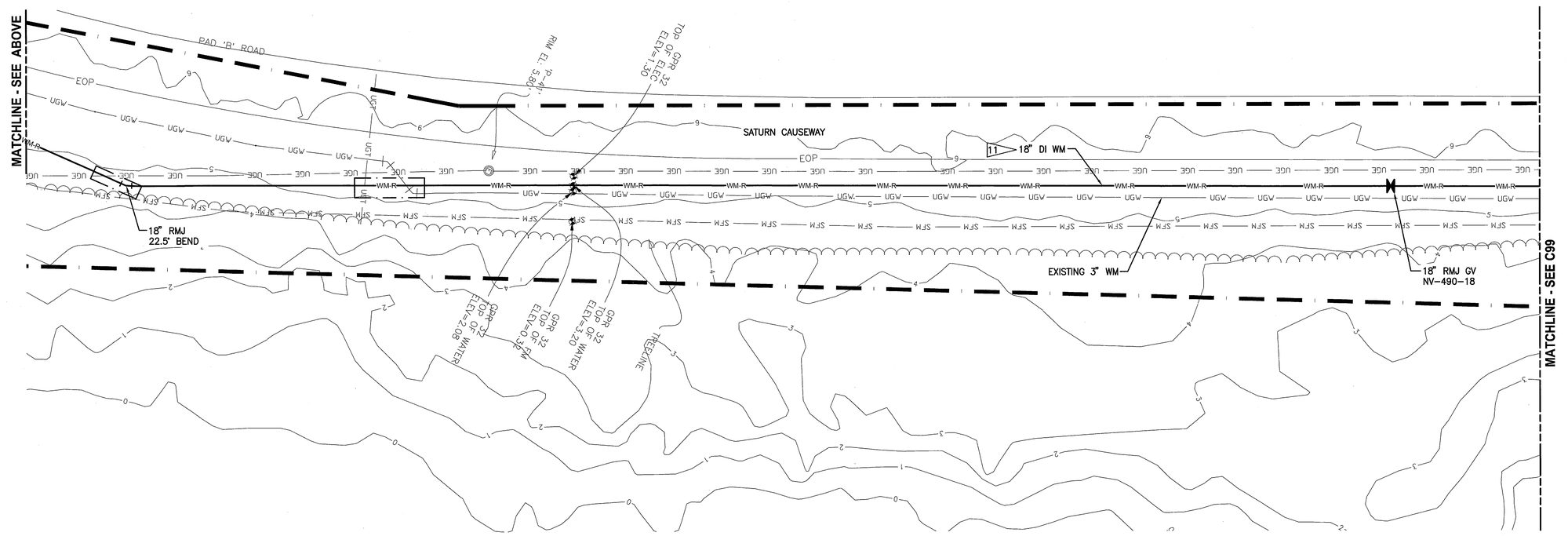

CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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SIGNATURES	DATE
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SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 107	

C98

FSC FORM 1-11 (3/76)(C/G 3/94)

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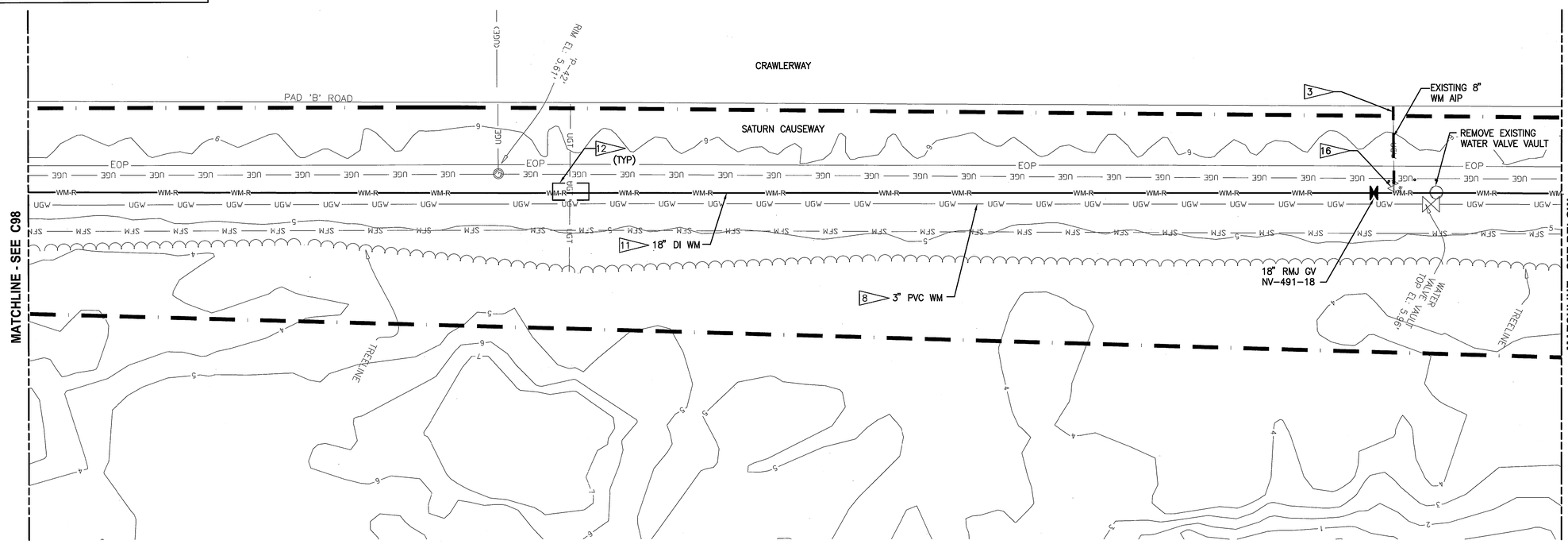
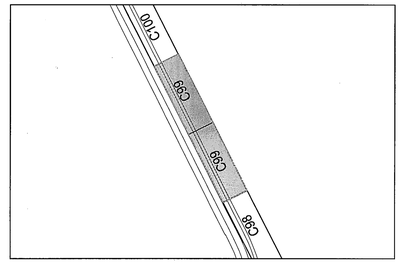


CRAWLERWAY PLAN
1"=20'



KEY MAP
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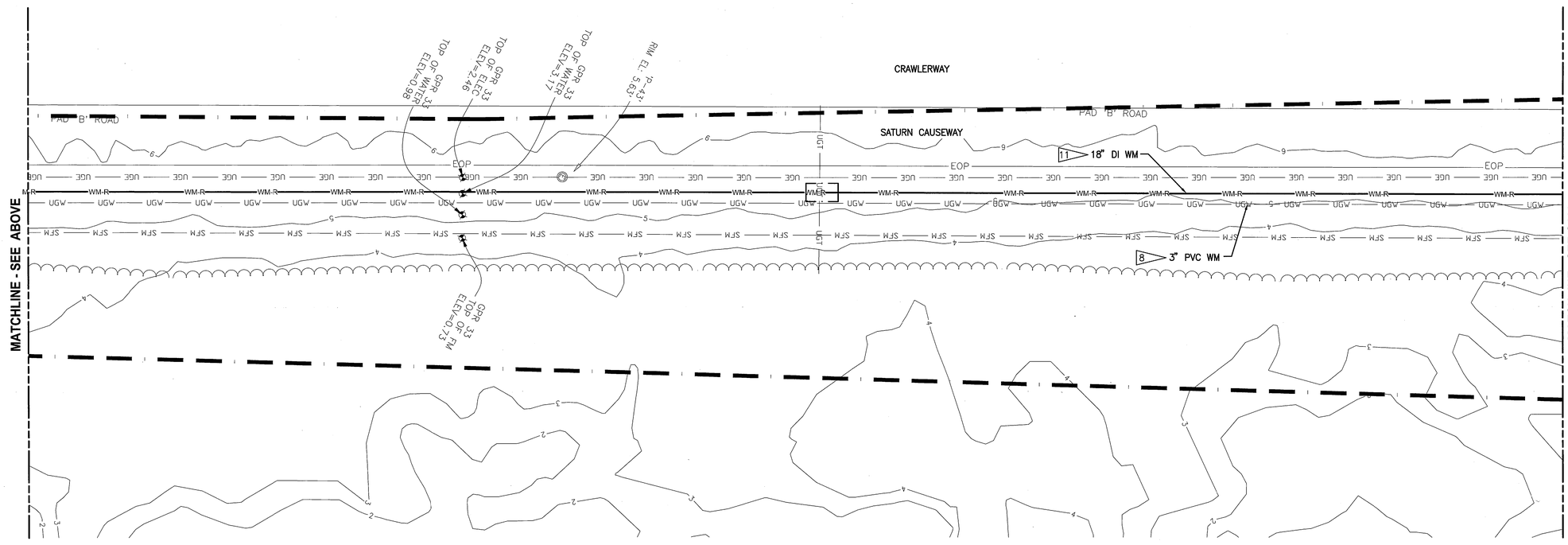

CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES		DATE
DRAWN	P. SIMMS	10/31/11
CHECKED	M. CLARK	10/31/11
SUBMITTED	R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875		
APPROVED	M. CLARK	10/31/11
	K. MILLER	11/1/11

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REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 108	

C99

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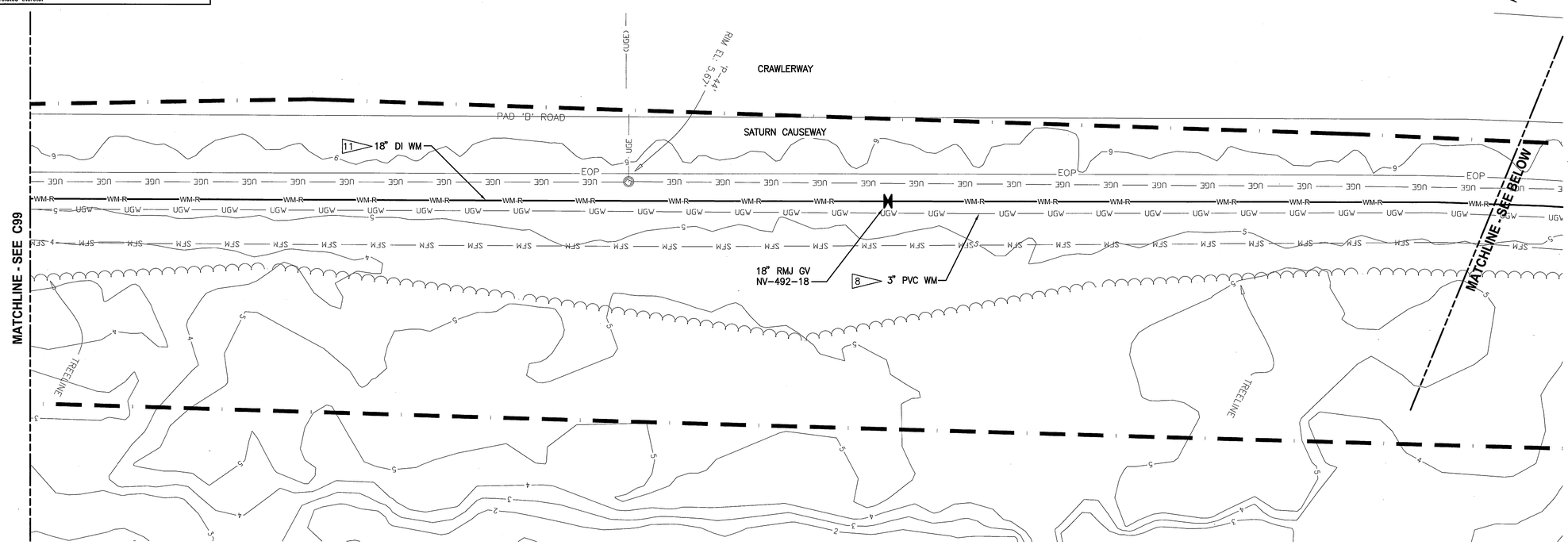
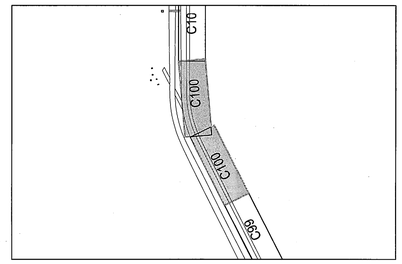
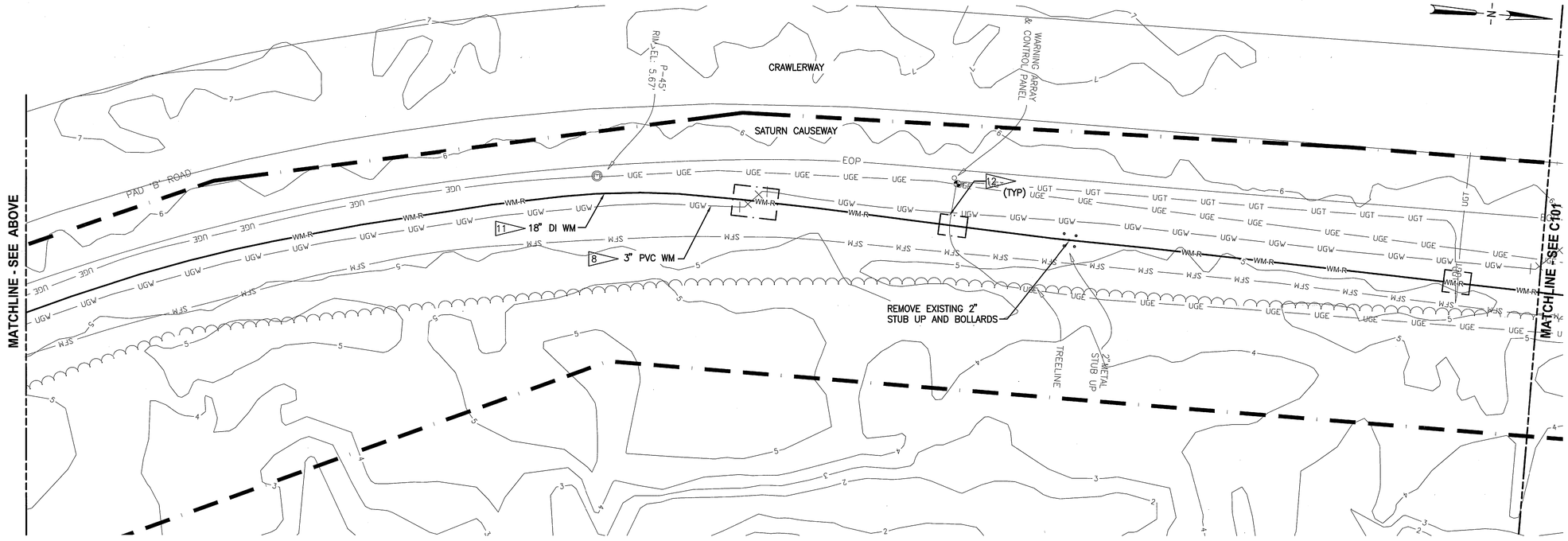


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C100	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 109	

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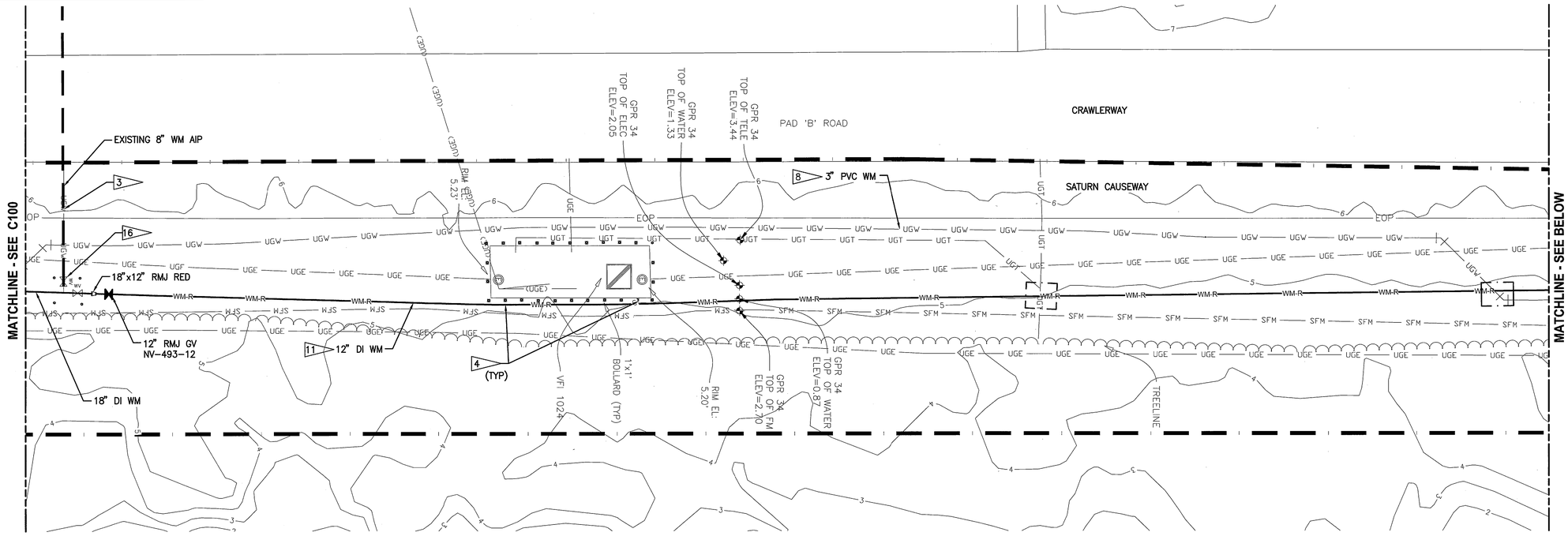
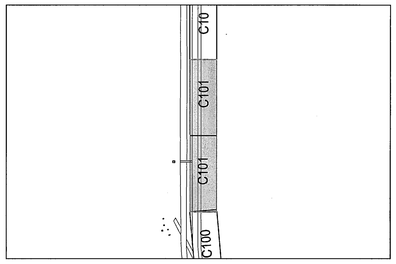
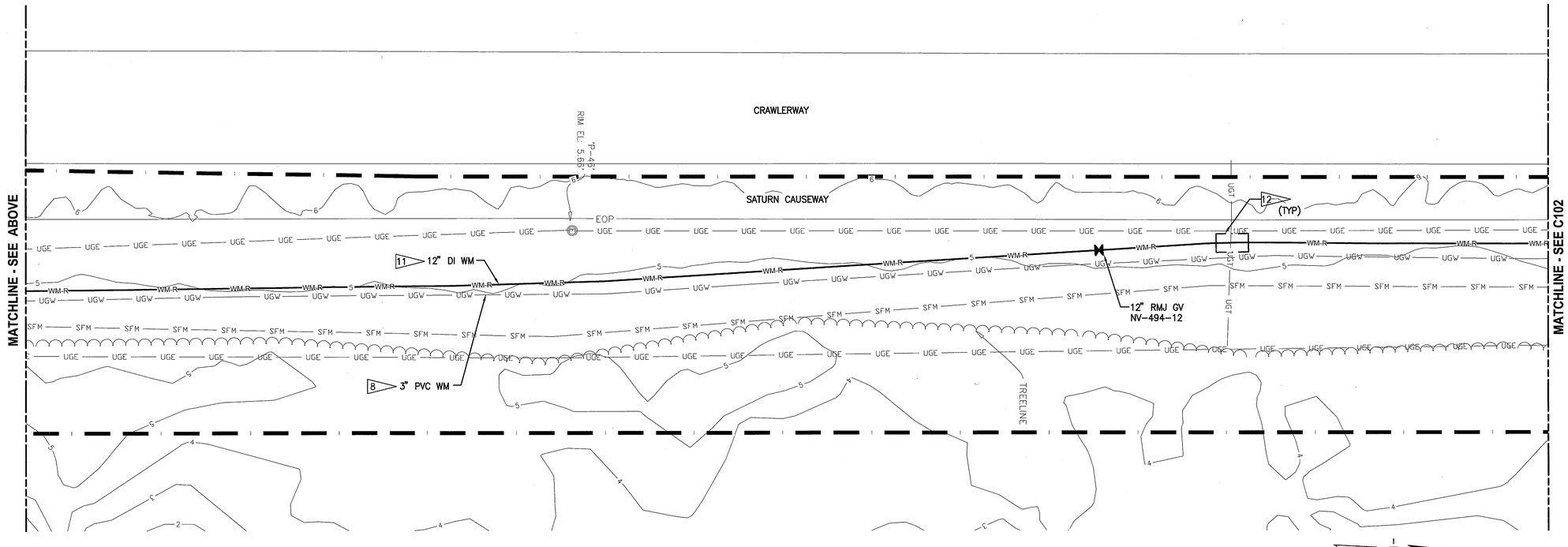


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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KENNEDY SPACE CENTER, FLORIDA

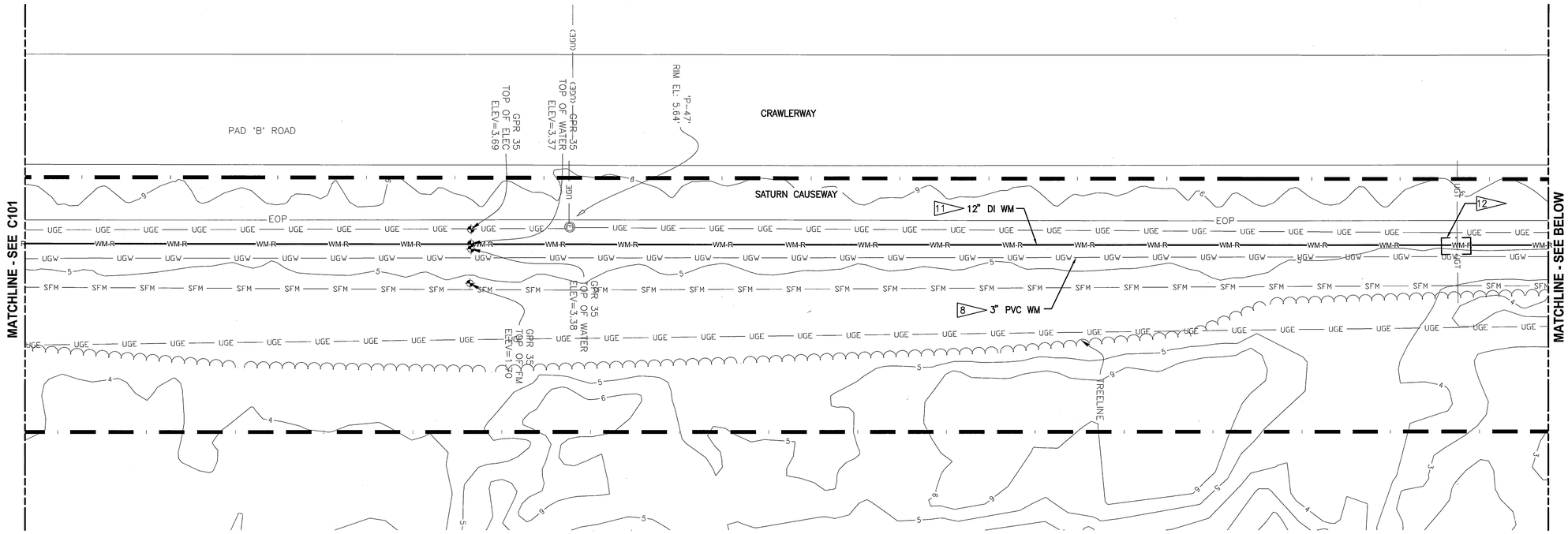
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

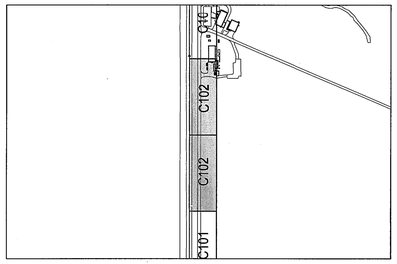
PROJ. NO. 96968.3 | SHEET 110

C101

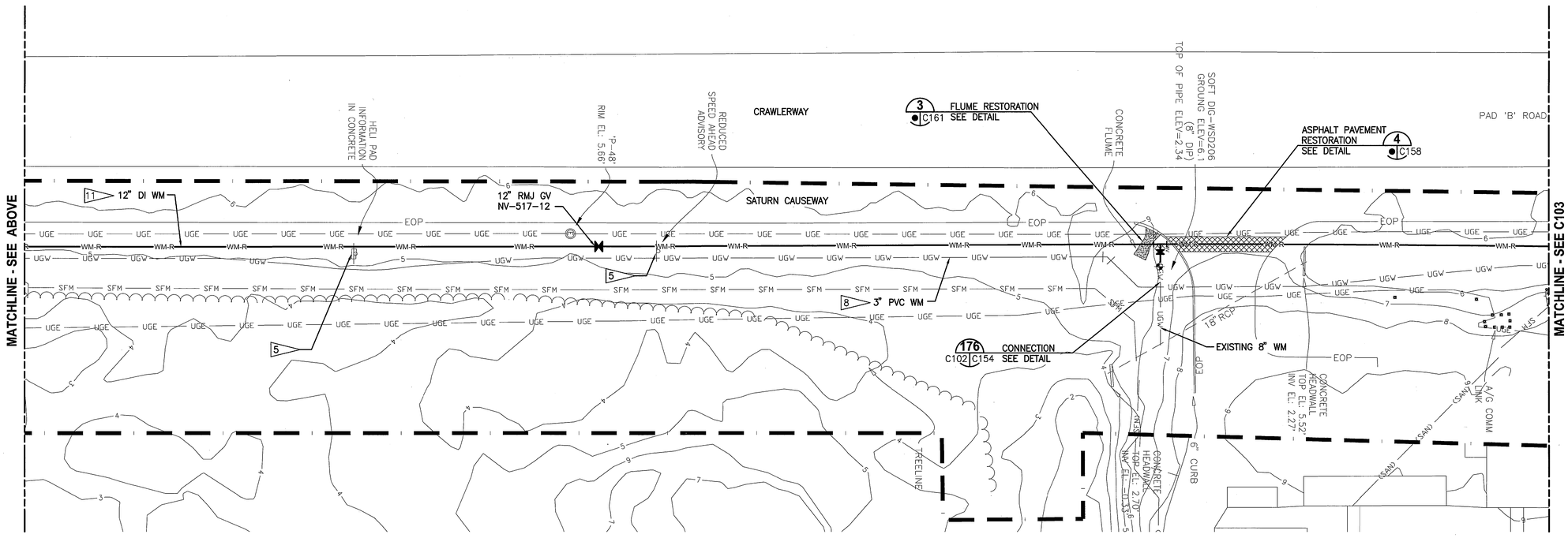
NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.



CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

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SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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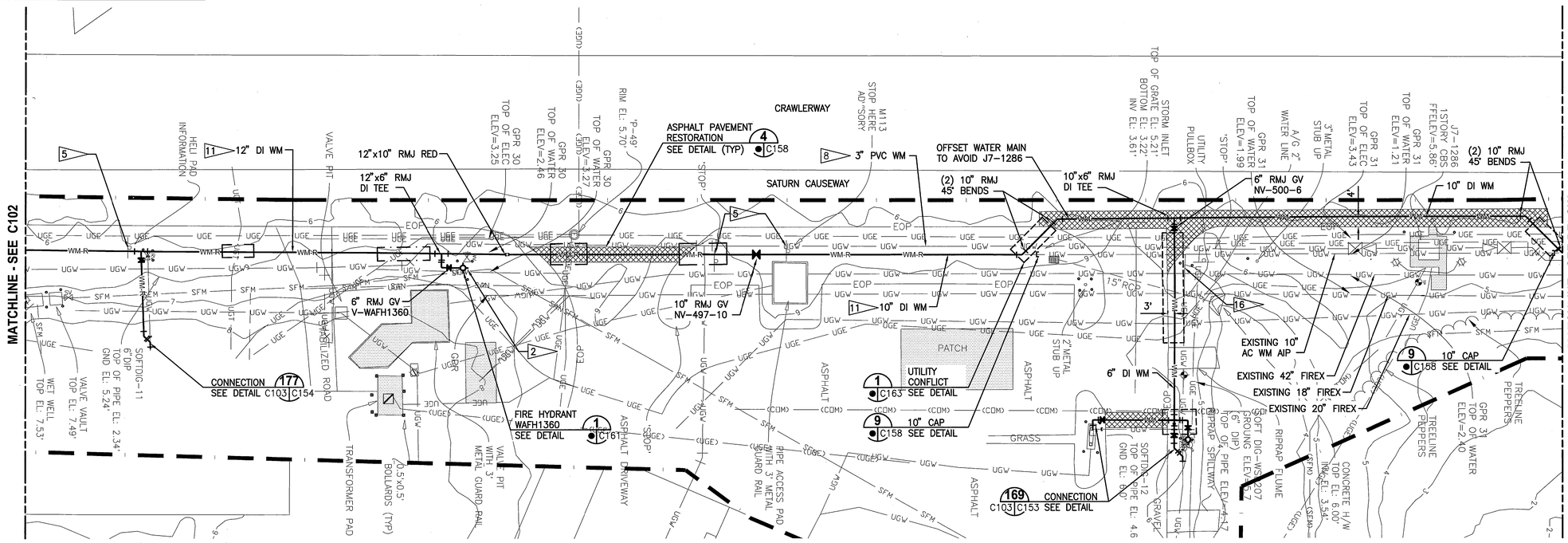
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

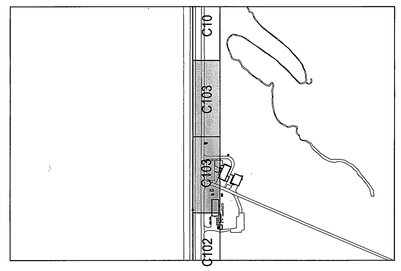
FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 111	

C102

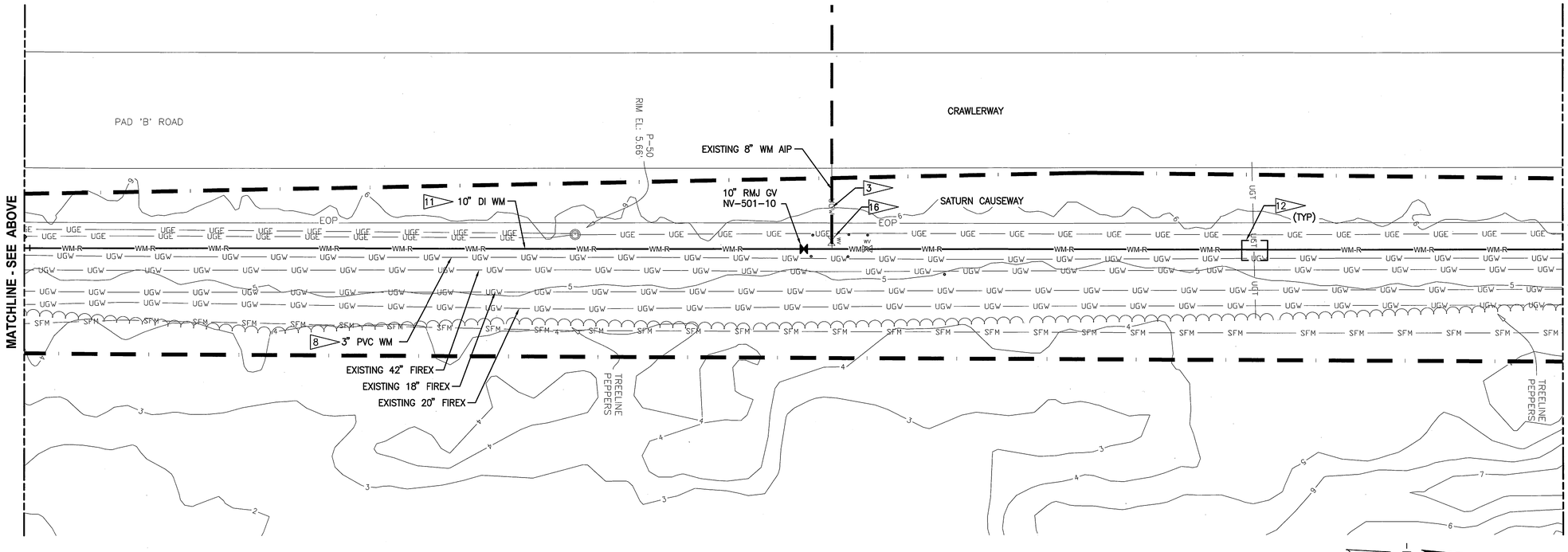
NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.



CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	11/3/11
K. MILLER	11/1/11

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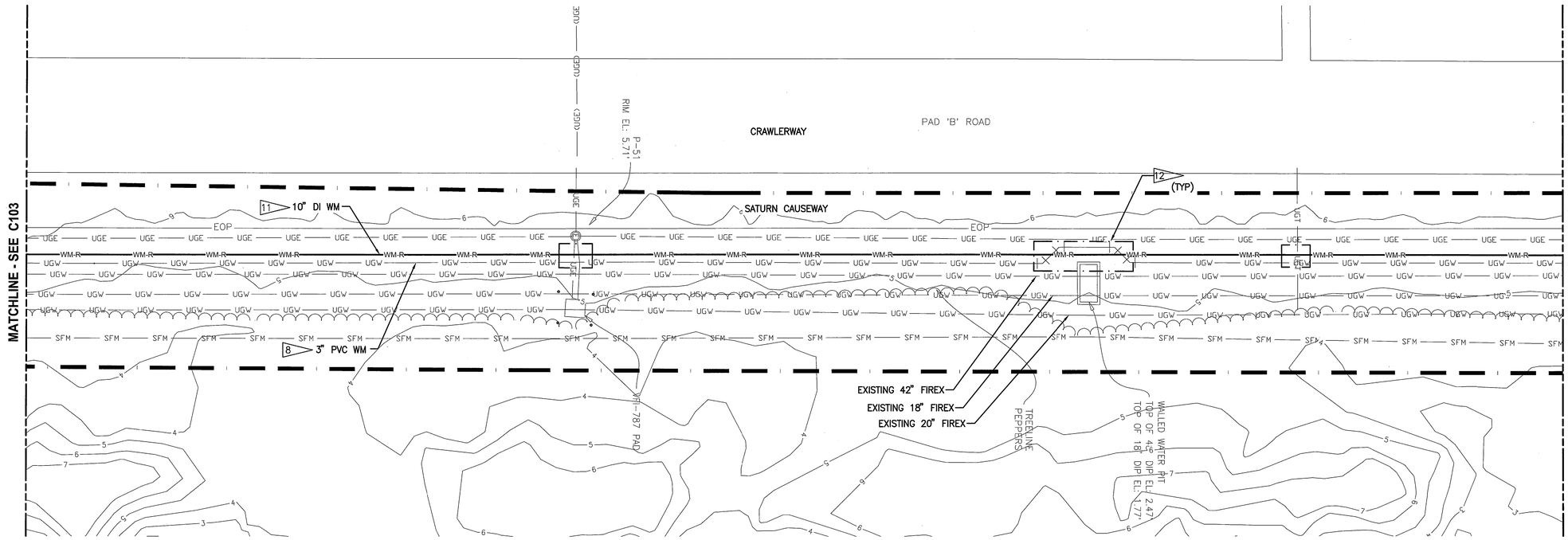
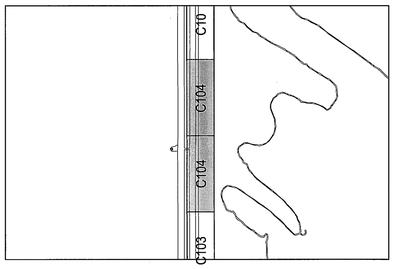
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C103	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 112	

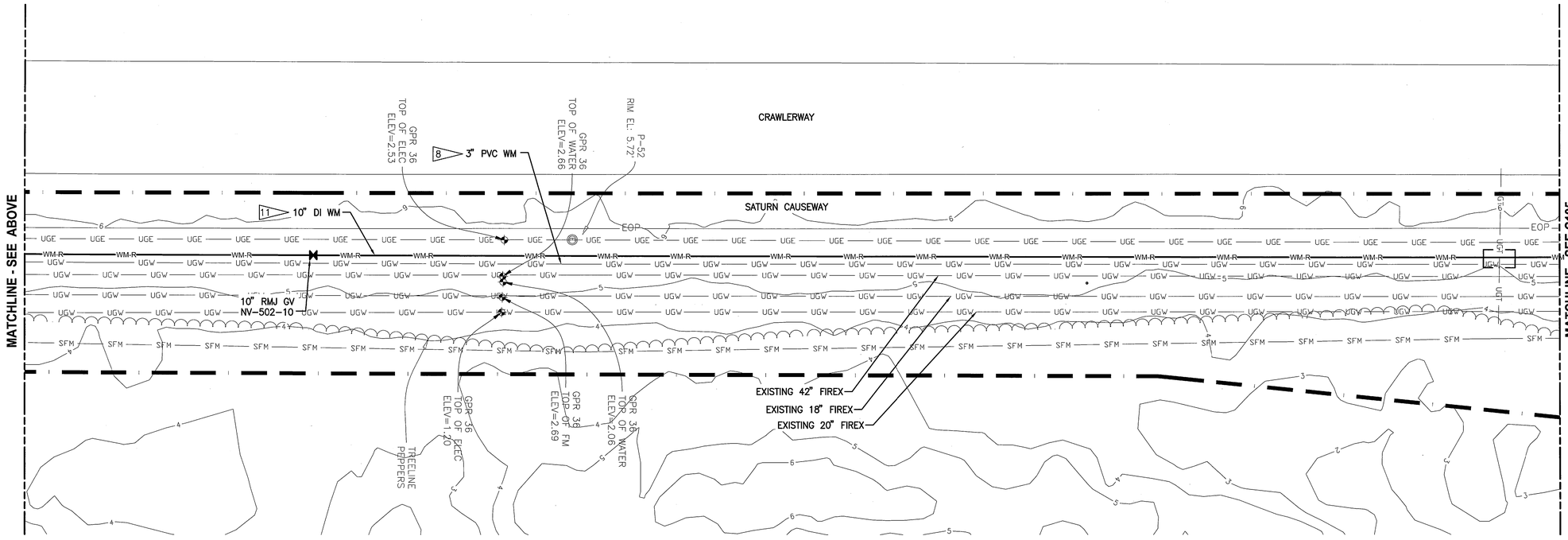
NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.



CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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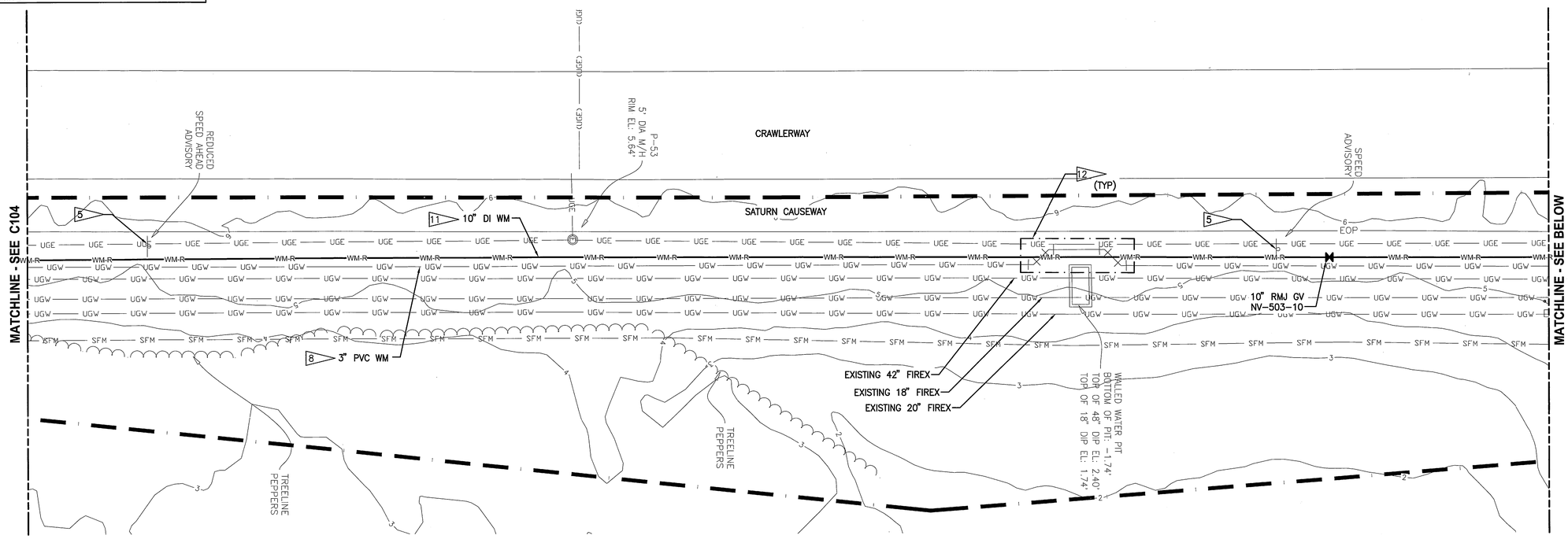
REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

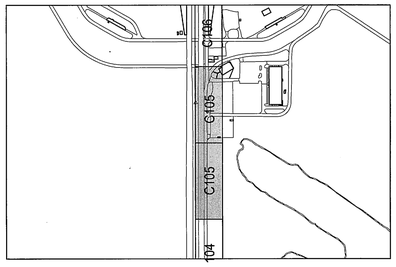
C104

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 113	

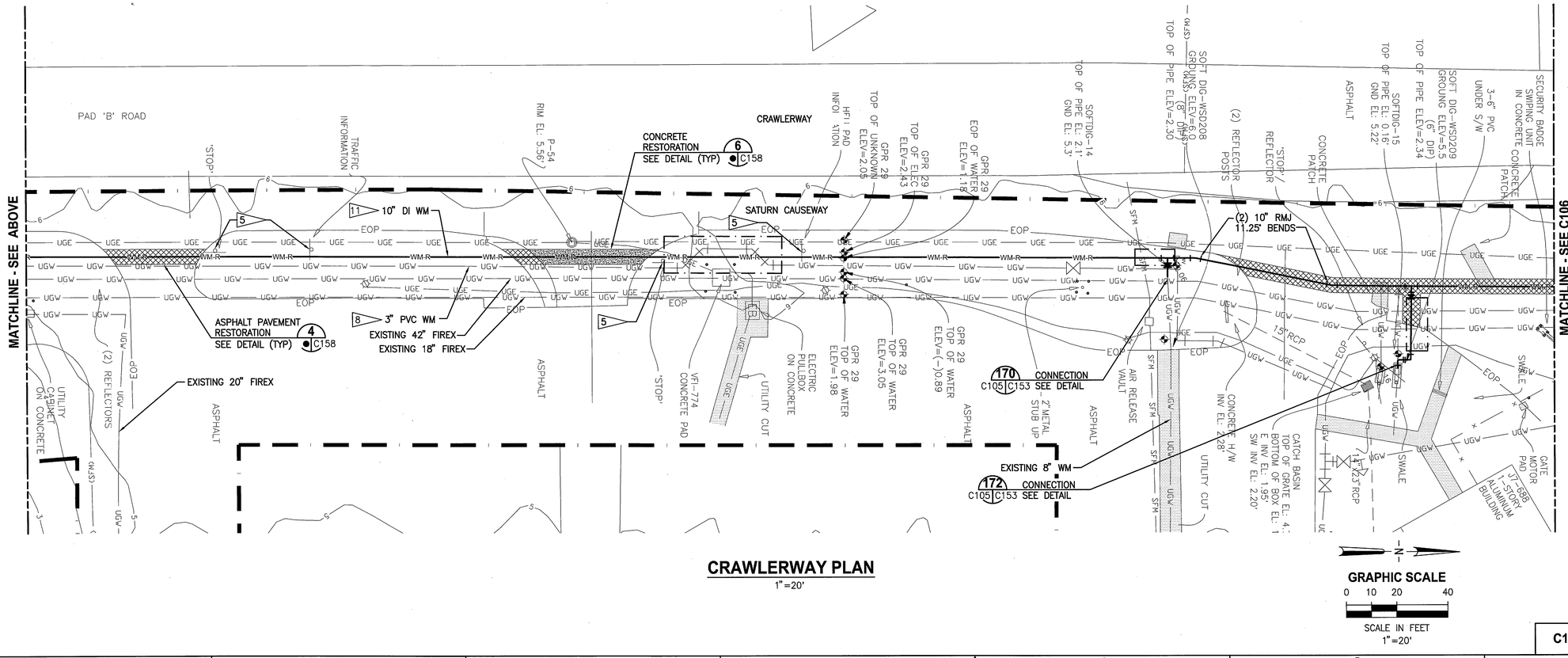
NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.



CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 114	

C105

FSC FORM 1-11 (3/76)(C/G 3/94)

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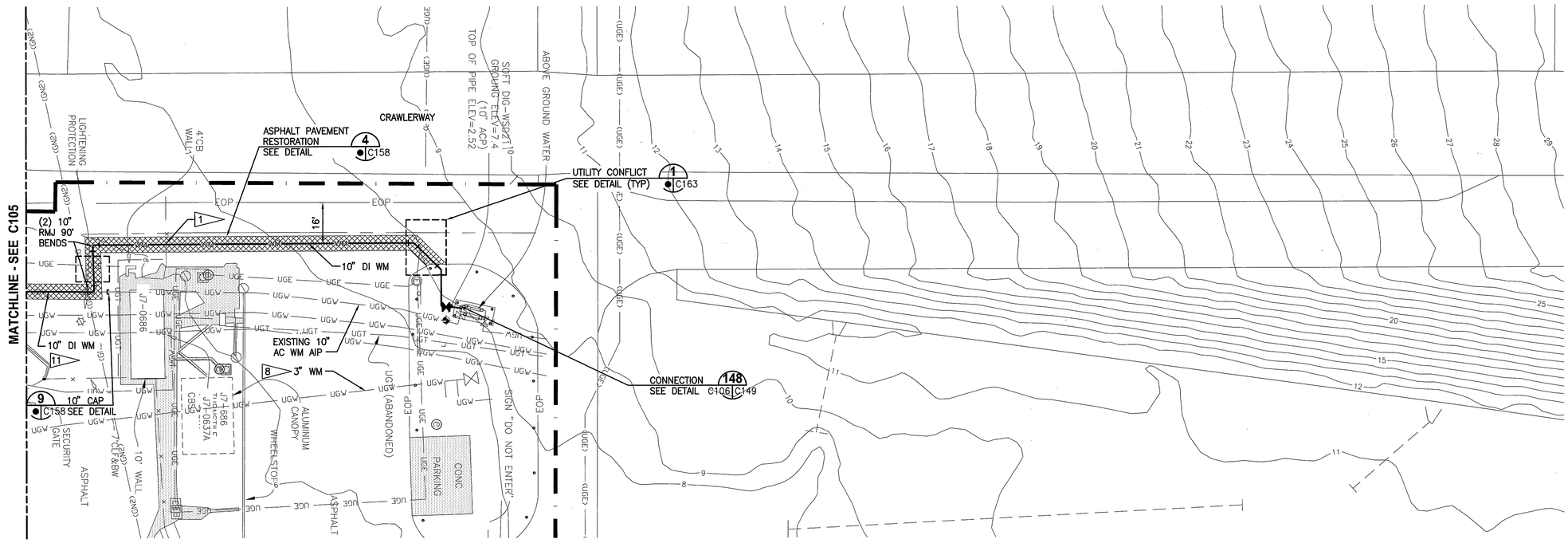
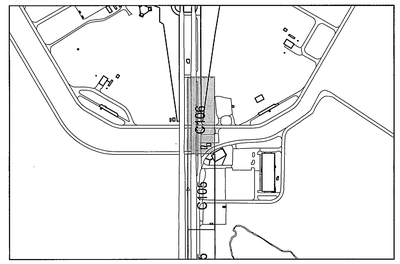


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
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APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C106	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 115	

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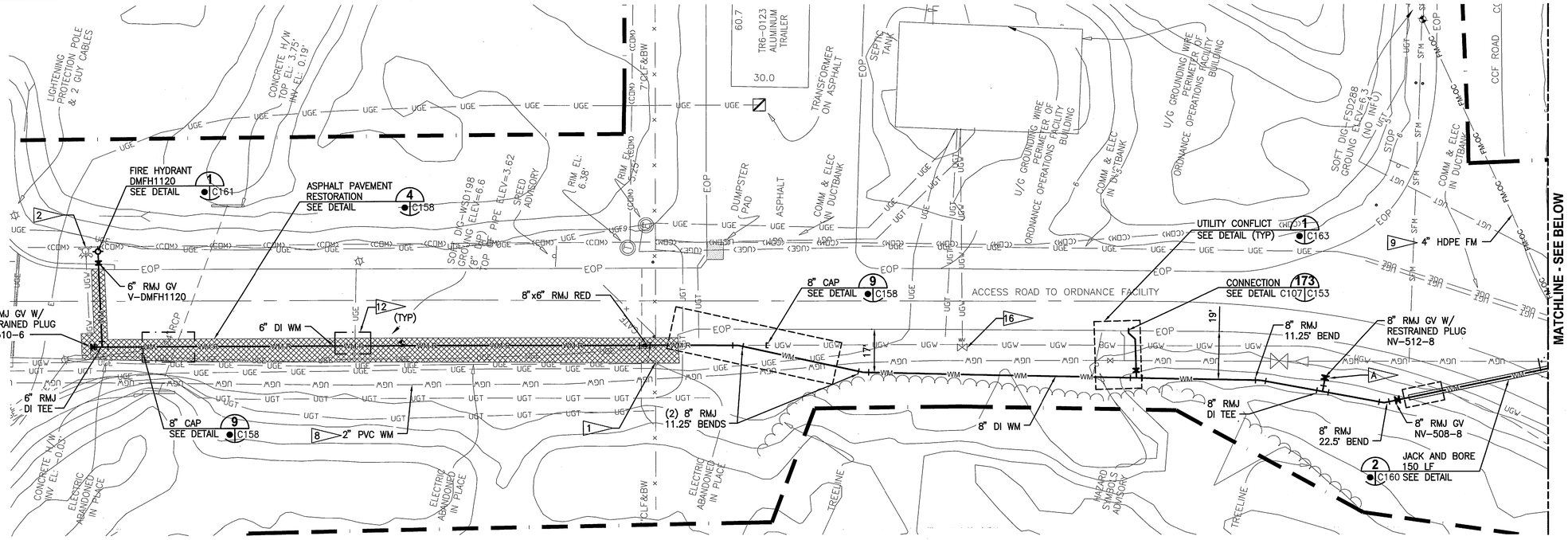
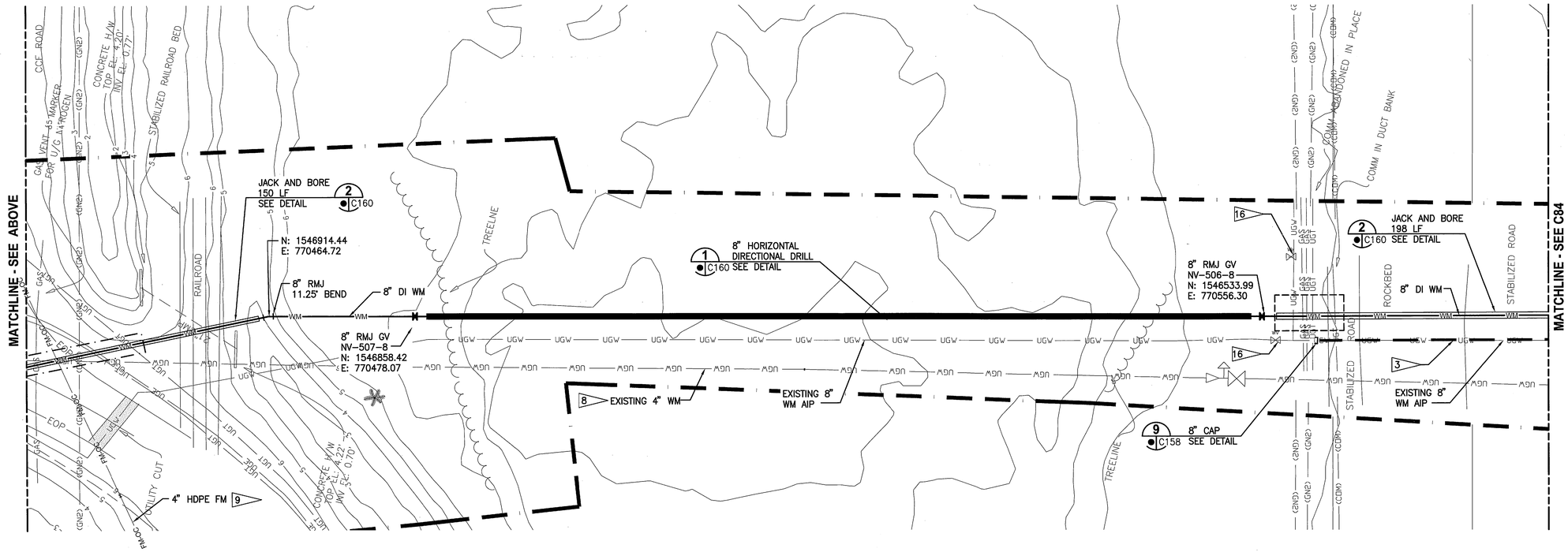
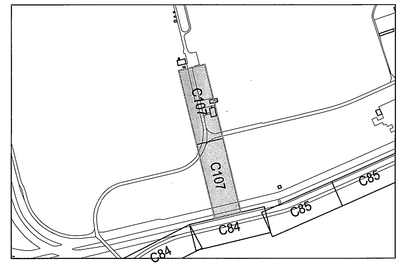


CRAWLERWAY PLAN
1"=20'



CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS

NOTE:

A — FITTING AND VALVE FOR TEMPORARY BYPASS PIPING. CONTRACTOR TO ROUTE APPROXIMATELY 2,500' OF TEMPORARY PIPING ALONG THE NORTH SIDE OF CONVERTOR COMPRESSOR ROAD, BETWEEN VALVES NV-512-8 ON C107 AND NV-548-8 ON C109. CONTRACTOR TO PROVIDE PROTECTION FOR TEMPORARY PIPING WHILE KEEPING VEHICLE TRAFFIC OPEN (INCLUDING SIDE ENTRANCES).

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

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JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 116

C107

ISC FORM 1-11 (3/76)(C/G 3/94)

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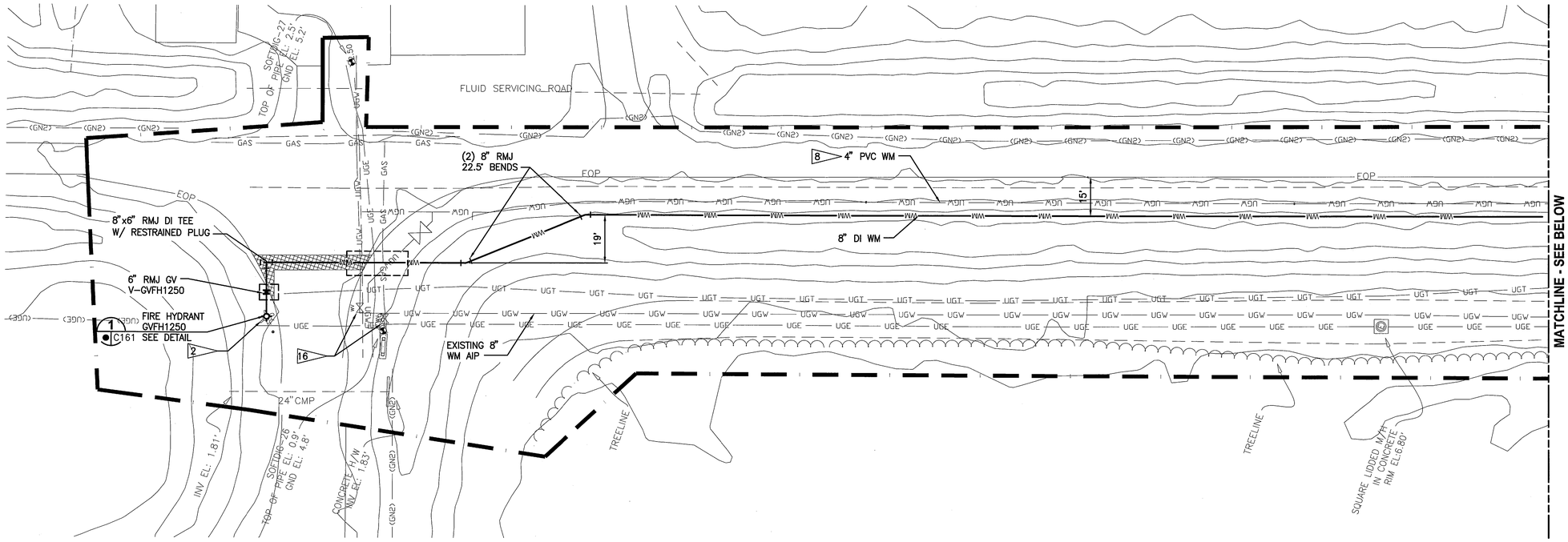
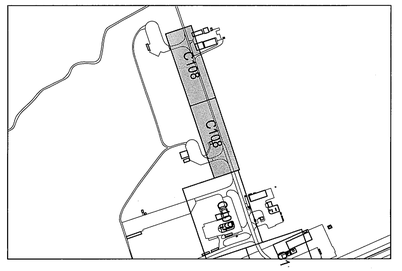
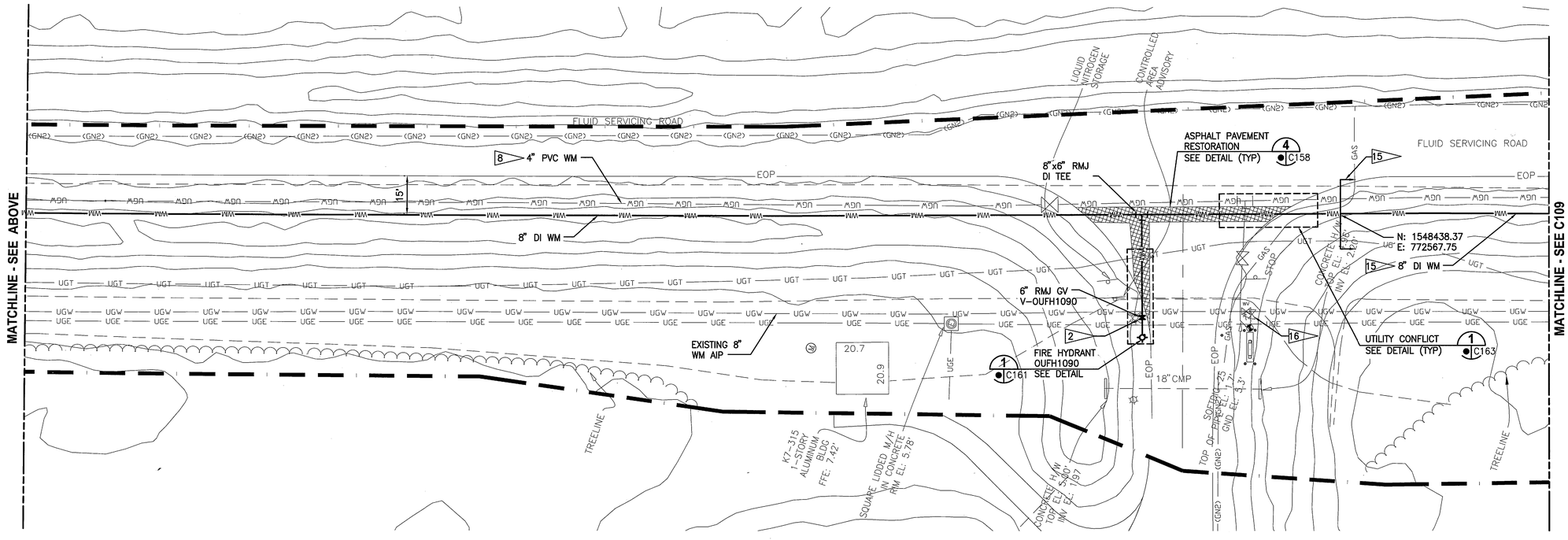


CRAWLERWAY PLAN
1"=20'



KEY MAP
NTS



CRAWLERWAY PLAN
1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
C108	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 117	

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MATCHLINE - SEE C108

MATCHLINE - SEE C110

175 CONNECTION C109 C154 SEE DETAIL

4 ASPHALT PAVEMENT RESTORATION C158 SEE DETAIL (TYP)

1 FIRE HYDRANT PVFH1080 SEE DETAIL C161

6" RMJ GV NV-513-6

6" RMJ GV V-PVFH1080

8" RMJ 11.25° BEND

8"x6" RMJ DI TEE

(2) 8"x6" RMJ DI TEES

8"x4" RMJ DI TEE

4" GV NV-514-4

6" RMJ GV NV-511-6

8" DI WM 15

8 4" PVC WM

8"x6" RMJ DI TEE

8" RMJ DI TEE

8" RMJ 11.25° BEND

8" RMJ GV W/ RESTRAINED PLUG NV-548-8

EXISTING 8" WM AIP

1 FIRE HYDRANT 00FH1120 SEE DETAIL C161

6" RMJ GV 00FH1120

6" RMJ 90° BEND

8 2" PVC WM

6" DI WM 15

EXISTING 4" WM AIP

(2) 6" RMJ 90° BENDS

N: 1548095.05
E: 772353.49

6" RMJ 45° BEND

6" DI WM

CONNECTION SEE DETAIL 162 C109 C151

6" RMJ 90° BEND

6" RMJ GV 00FH1310

FIRE HYDRANT 00FH1310 SEE DETAIL 1 C161

EXISTING 6" WM

K7-416A 1-STORY CBS & METAL BLDG FFE: 7.52'

K7-416 1-STORY CBS FFE: 7.56'

K7-416B

TRL-622

TRUCK SCALE

CONVERTER COMPRESSOR ROAD

FLUID SERVICING ROAD

STORM PIPE, 12" CMP S INV=3.78 (MES) N INV=3.64 (CONC. ENCASEMENT)

12" CMP IN CONCRETE ENCASEMENT INV=3.77 S INV=3.80

8" CMP RIP-RAP HEADWALL INV=2.87

RIP-RAP HEADWALL INV=3.29

8" X 6" TEE TOP EL: 1.98'

90° OVERFLOW DRAIN PIPE THROUGH CONCRETE STRUCTURE NE INV EL: 3.29' SW INV EL: 3.68' @ 90°SW END: 4.91'

TOP OF PIPE EL @ 90°SW END: 4.91'

HEADWALL TOP ELEV=6.12

SOFT DIG-WSD20 GROUND ELEV=4.1 8" DIP ELEV=1.47

SOFT DIG-WSD20 GROUND ELEV=4.3 6" DIP ELEV=2.10

WSD 20 6" DIP ELEV=2.10 GROUND ELEV=5

INV 12" PVC EL: 3.04

STORM CLEAN OUT

3" COMM LINES (2) 2" COMM LINE (1) 2" COMM LINE

ASPHALT UTILITY PATCH

ASPHALT SURFACE

CONCRETE PATCH

PVC DRAIN PIPE INV EL: 4.33

STATION WETWELL TOP EL: 8.84' SCADA ANT EL: 2.17' BOTTOM EL: 2.85'

36" DIAMETER UNDERGROUND STORAGE TANK

INV 12" CMP EL: 4.31'

6" WATERLINE

8" DIP

8" DIP

STORM WATER PIPE 4" NE INV EL: 4.85' SW INV EL: 4.76'

2" VENT STACK & CP TEST STATION

RAILROAD CROSSING

STREET NAME

24"

SPEED LIMIT

RIPRAP

UTILITY CUT

HANDI-CAP

ELECTRIC & COMM PULLBOX W/ CONCRETE 3-UV 4" CONDUIT TOP EL ALL 1.59'

SEWER ALARM

DANGER INFORMATION SIGN

P. STOP

WARNING SIGN

MAGNETIC ADVISORY

SCALE INFO

ASPHALT SURFACE

TOP OF PIPE ELEV=4.1 8" DIP ELEV=1.47

TOP OF PIPE ELEV=4.3 6" DIP ELEV=2.10

CRAWLERWAY PLAN

1"=20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

C108 C87 C86 C85

KEY MAP

NTS

NOTE:

A FITTING AND VALVE FOR TEMPORARY BYPASS PIPING. CONTRACTOR TO ROUTE APPROXIMATELY 2,500' OF TEMPORARY PIPING ALONG THE NORTH SIDE OF CONVERTOR COMPRESSOR ROAD, BETWEEN VALVES NV-512-8 ON C107 AND NV-548-8 ON C109. CONTRACTOR TO PROVIDE PROTECTION FOR TEMPORARY PIPING WHILE KEEPING VEHICLE TRAFFIC OPEN (INCLUDING SIDE ENTRANCES).

THIS SPACE RESERVED

SYM	ZONE	DESCRIPTION	DATE	APPROVED
A		GENERAL REVISIONS	10/31/11	

REVISIONS

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JONES EDMUNDS
730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
3910 S WASHINGTON AVE, SUITE 210, TITUSVILLE, FLORIDA 32780 / (321) 269-2950

SIGNATURES	DATE
DRAWN P. SIMMS	10/31/11
CHECKED M. CLARK	10/31/11
SUBMITTED R. BEST	10/31/11
ST of LICENSURE: FL LICENSE NO: 69875	
APPROVED M. CLARK	10/31/11
K. MILLER	11/1/11

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN F. KENNEDY SPACE CENTER, NASA
KENNEDY SPACE CENTER, FLORIDA

REVITALIZE WATER & WASTEWATER SYSTEMS - VOLUME 1 OF 5
WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A

PROJ. NO. 96968.3 SHEET 118

C109

NSC FORM 1-11 (3/76)(C/G 3/94)

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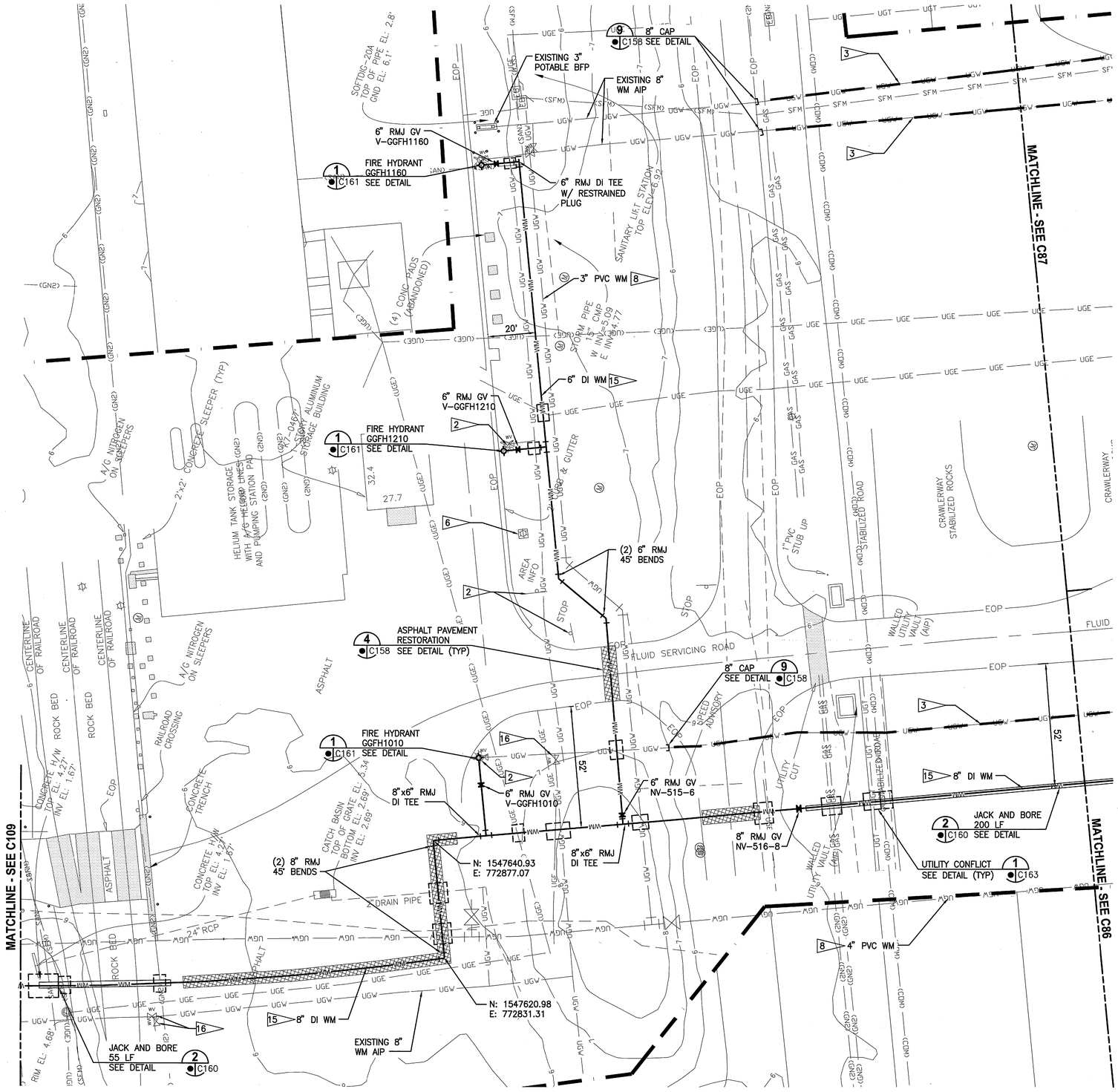
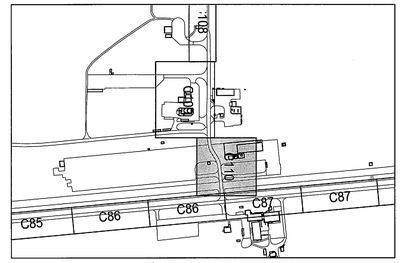


FLUID SERVICING ROAD PLAN
1"=20'



KEY MAP
NTS

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1"=20'

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730 NE WALDO ROAD, GAINESVILLE, FLORIDA 32641 / (352) 377-5821
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WATER SYSTEM
WATER MAIN LAYOUT PLAN

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PROJ. NO. 96968.3		SHEET 119	

C110

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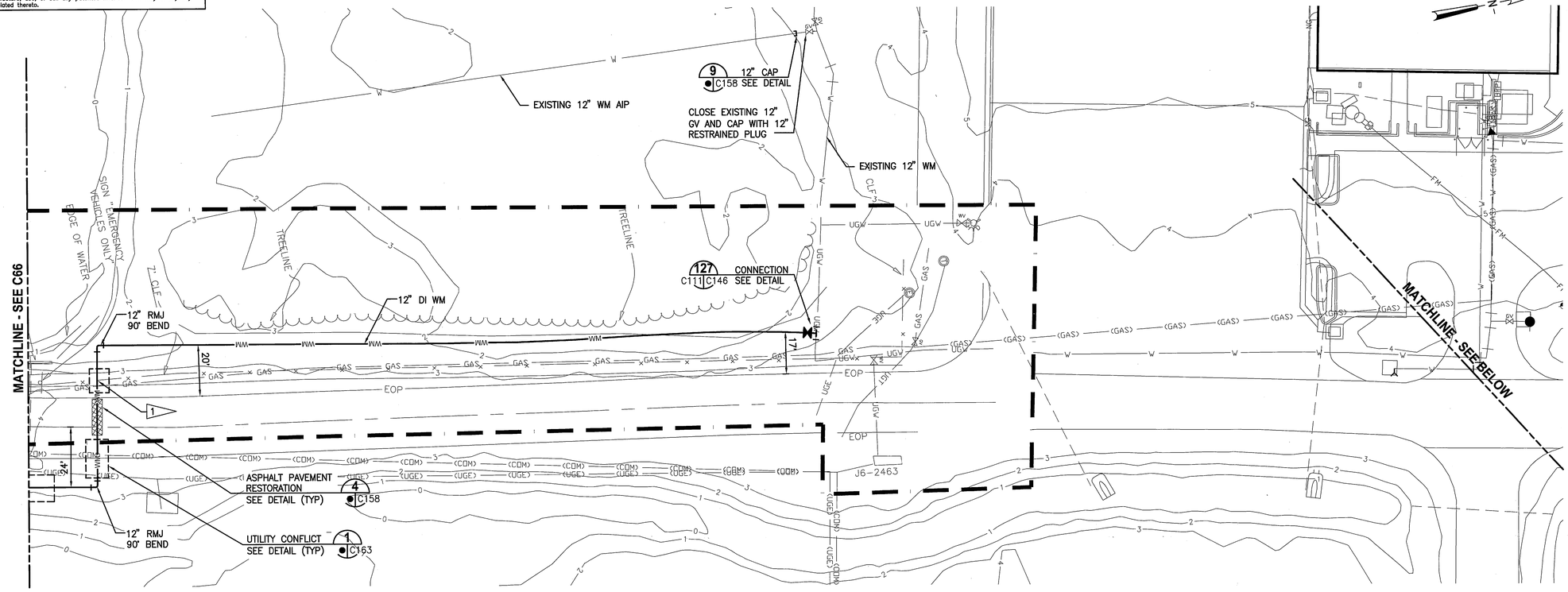
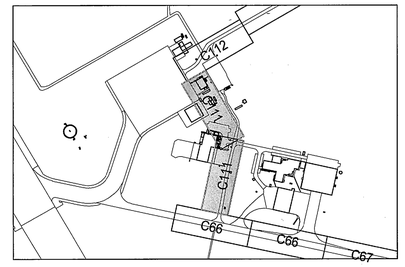
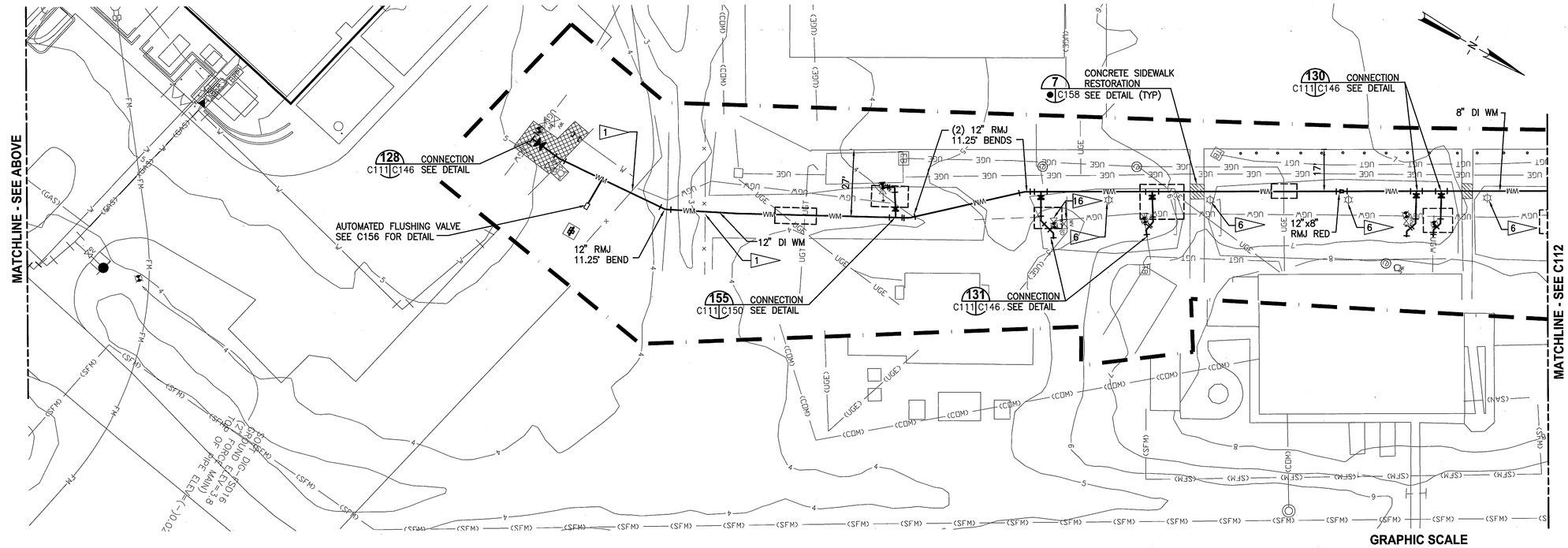


SLF ACCESS ROAD PLAN
1" =20'



KEY MAP
NTS



SLF ACCESS ROAD PLAN
1" =20'

GRAPHIC SCALE
0 10 20 40
SCALE IN FEET
1" =20'

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WATER SYSTEM
WATER MAIN LAYOUT PLAN

FILE NO.	SIZE	DWG. NO.	REV
	F	79K38877 VOL 1	A
PROJ. NO. 96968.3		SHEET 120	

C111