COMPONENTS OF CONTRACT PLANS SET

SANITARY SEWER ADJUSTMENT PLANS

LEE COUNTY BOARD OF COUNTY COMMISSIONERS

PUBLIC WORKS ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
SANITARY SEWER ADJUSTMENT PLANS

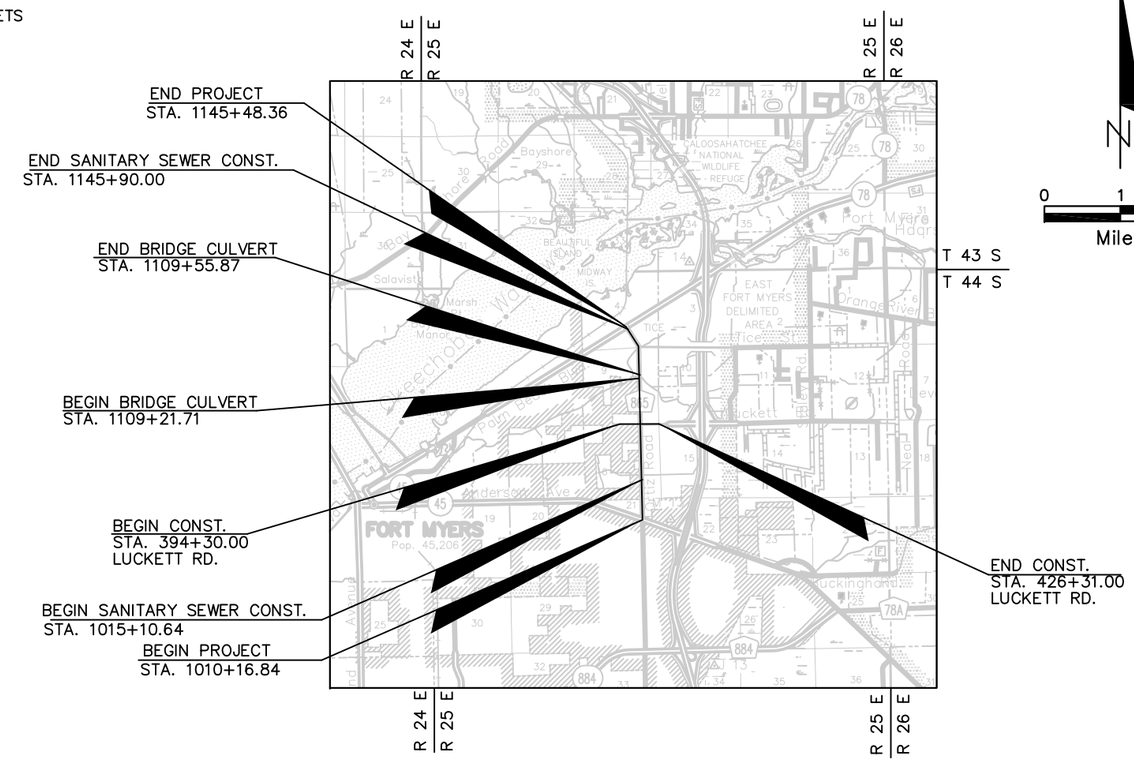
PLANS OF PROPOSED

ORTIZ AVENUE (CR 865)

COUNTY PROJECT No. _____

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SEWER QUANTITIES
3 THRU 6	PARCEL INFORMATION
7	GENERAL NOTES
8	SEWER MANHOLES
9 THRU 32	SANITARY SEWER ADJUSTMENT SHEETS
33 THRU 35	SANITARY SEWER DETAILS
36	SUE LOCATES



SANITARY SEWER SHOP DRAWINGS TO BE SUBMITTED TO:

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

PLANS PREPARED BY:

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

LIST OF DEVIATIONS:
1. NONE.

DEVELOPMENT ORDER APPROVED:
LEE COUNTY PUBLIC WORKS ADMINISTRATION

_____

JIM LAVENDER — DATE
DIRECTOR OF PUBLIC WORKS

ROADWAY PLANS ENGINEER OF RECORD:

RONALD KERFOOT, P.E. — DATE
P.E. NO.: 20768

APPROVED:
LEE COUNTY PUBLIC WORKS DIRECTOR

DIRECTOR OF PUBLIC WORKS. — DATE

SHEET REVISIONS		
DATE	BY	DESCRIPTION

SHEET NO.

1

#	ITEM DESCRIPTION	QUANTITY	UNIT
1	30" PVC FM	5371	LF
2	24" PVC FM	2358	LF
3	12" PVC FM	385	LF
4	10" PVC FM	310	LF
5	8" PVC FM	1152	LF
6	4" PVC FM	130	LF
7	AARV ON 30" FM	5	EA
8	AARV ON 24" FM	6	EA
9	AARV ON 12" FM	1	EA
10	AARV ON 8" FM	7	EA
11	42" HDPE FM CASING	180	LF
12	36" HDPE FM CASING	170	LF
13	30" HDPE FM	445	LF
14	24" HDPE FM	180	LF
15	20" HDPE FM CASING	110	LF
16	16" HDPE FM CASING	240	LF
17	12" HDPE FM	120	LF
18	8" HDPE FM	250	LF
19	48" STEEL CASING	340	LF
20	42" STEEL CASING	195	LF
21	26" STEEL CASING	45	LF
22	16" STEEL CASING	80	LF
23	30" FM VALVE	3	EA
24	24" FM VALVE	1	EA
25	12" FM VALVE	2	EA
26	8" FM VALVE	3	EA
27	4" FM VALVE	2	EA
28	30" WYE	1	EA
29	30" END CAP W/THRUST BLOCK	1	EA
30	30"X30"x12" TEE	2	EA
31	30"X24" REDUCER	1	EA
32	30" 45º BEND	6	EA
33	30" 22½º BEND	5	EA
34	30" SOLID SLEEVE REPAIR COUPLING	4	EA
35	24" END CAP	3	EA

#	ITEM DESCRIPTION	QUANTITY	UNIT
36	24"X12" TEE	1	EA
37	24" 45º BEND	6	EA
38	24" 22½º BEND	2	EA
39	24" SOLID SLEEVE REPAIR COUPLING	3	EA
40	12" END CAP	3	EA
41	12" 90º BEND	4	EA
42	12" 45º BEND	8	EA
43	12" 22½º BEND	2	EA
44	12" SOLID SLEEVE REPAIR COUPLING	4	EA
45	8" TEMP END CAP	4	EA
46	8" 45º BEND	29	EA
47	8" 22½º BEND	2	EA
48	8" SOLID SLEEVE REPAIR COUPLING	4	EA
49	8" STRAP ON WYE	1	EA
50	8"X8"X4"X4" CROSS	1	EA
51	4" TEMP END CAP	2	EA
52	4" 45º BEND	4	EA
53	4" SOLID SLEEVE REPAIR COUPLING	2	EA
54	4" FM CONN TO EX.	4	EA
55	REMOVE EX. 24" FM & REPAIR STORM M.H.	1	LS
56	FLUSH VALVE ASSY FOR TESTING	6	EA
57	30" FM CONN TO EX.	1	EA
58	24" FM CONN TO EX.	1	EA
59	12" FM CONN TO EX.	2	EA
60	8" FM CONN TO EX.	3	EA
61	MOBILIZATION	1	LS
62	SURVEY LAY-OUT	1	LS
63	TESTING - PRESSURE	1	LS
64	TESTING - MATERIALS & DENSITY	1	LS
65	RESTORATION	1	LS
66	REMOVE & DISPOSE OF ABANDONED UTILITIES	1	LS
67	REC DRAWINGS (ACAD) TO LCU REQ.	1	LS
68	ADJUST SAN. SEWER SERVICE	20	EA
69	ADJUST MANHOLES TO GRADE	38	EA

NO.	DATE	BY	REVISIONS – DESCRIPTION

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CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
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SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY SEWER QUANTITIES

SHEET NO. 2

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
1050	1050 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	A	A
1211	1211 ORTIZ AVE	ORTIZ AVE	MOBILE HOME SUBDIVISION	A	A
1214	1214 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	X
1350	1350 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	A
1421-71	1421-71 ORTIZ AVE	ORTIZ AVE	SUPERMARKET	A -2 accounts	A -2 accounts
182	182 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
184	184 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
187	187 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
1871	1871 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR	A	X
190/92	190/92 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A -2 accounts	A -2 accounts
193	193 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
1945	1945 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	A	X
194-98	194-98 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A	A
1975	1975 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT	A	X
2020	2020 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	A	X
2021	2021 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR	A	X
2041	2041 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	X
220	220 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
221	221 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
224	224 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
225	225 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
317	317 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
328	328 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
331	331 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
333-337	333-337 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A -2 accounts	A -2 accounts
341/43	341/43 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A -2 accounts	A -2 accounts
344	344 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
359	359 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
376	376 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
382	382 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	A	A
385	385 ORTIZ AVE	ORTIZ AVE	STORE, OFFICE, RESIDENTIAL COMBINATIONS	A	A
394	394 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	A
400	400 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A -2 accounts	A -2 accounts
436/438	436/438 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A -2 accounts	A -2 accounts
551	551 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	A	A
560	560 ORTIZ AVE	ORTIZ AVE	SHOPPING CENTER, NEIGHBORHOOD	A	A
574	574 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
582	582 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
592	592 ORTIZ AVE	ORTIZ AVE	STORE, OFFICE, RESIDENTIAL COMBINATIONS	A	A
620	620 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
688	688 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
710	710 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	X
721	721 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	A	X
741	741 ORTIZ AVE	ORTIZ AVE	MOBILE HOME, ACREAGE	A	X
811	811 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
851	851 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	NA
8531	8531 ORTIZ CIR	ORTIZ CIR	SINGLE FAMILY RESIDENTIAL	A	A
964	964 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	X
4549	4549 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4908	4908 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A
4914	4914 LUCKETT RD	LUCKETT RD	VACANT RESIDENTIAL	NA	NA
4915	4915 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4918	4918 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A

NO.	DATE	BY	REVISIONS – DESCRIPTION

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APPROVED BY:
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1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO.
3

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4921	4921 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4927	4927 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4928	4928 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A
4932	4932 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4933	4933 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4938	4938 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4939	4939 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4942	4942 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4945	4945 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4948	4948 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4951	4951 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4952	4952 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4956	4956 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4957	4957 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4960	4960 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4963	4963 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4968	4968 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4969	4969 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4970	4970 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4975	4975 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4976	4976 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4981	4981 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4982	4982 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4986	4986 LUCKET RD	LUCKET RD	MOBILE HOME SUBDIVISION	x	x
4987	4987 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4991	4991 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4997	4997 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
5008	5008 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5010	5010 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
5012	5012 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5014	5014 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5068	5068 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
4880	4880 BALLARD RD	BALLARD RD	CHURCH	A	A
4909	4909 BILLYS CREEK DR	BILLYS CREEK DR	SINGLE FAMILY RESIDENTIAL	A	A
5110	5110 BILLYS CREEK DR	BILLYS CREEK DR	SINGLE FAMILY RESIDENTIAL	X	X
4906	4906 DEAN ST	DEAN ST	SINGLE FAMILY RESIDENTIAL	A	A
4907	4907 DEAN ST	DEAN ST	SINGLE FAMILY RESIDENTIAL	A	A
501	501 FIGUERA AVE	FIGUERA AVE	SINGLE FAMILY RESIDENTIAL	A	A
4767	4767 GARCIA AVE	GARCIA AVE	SINGLE FAMILY RESIDENTIAL	A	A
4902	4902 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4907	4907 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4910	4910 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4750/4760	4750/4760 GLENWOOD AVE	GLENWOOD AVE	SINGLE FAMILY RESIDENTIAL	A	A
4909	4909 HOWARD ST	HOWARD ST	SINGLE FAMILY RESIDENTIAL	A	A
4852	4852 HUNTERS GREEN DR	HUNTERS GREEN DR	SINGLE FAMILY RESIDENTIAL	A	A
4911	4911 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	A	A
4909	4909 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4912	4912 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4918	4918 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4912	4912 N GALAXY DR	N GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4915	4915 N GALAXY DR	N GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4660	4660 PALM BEACH BLVD	PALM BEACH BLVD	RESTAURANT, DRIVE-IN	NA	NA
4710	4710 PALM BEACH BLVD	PALM BEACH BLVD	STORE, ONE (1) FLOOR	A -2 accounts	A -2 accounts
4917	4917 S GALAXY DR #23	S GALAXY DR	VACANT RESIDENTIAL	NA	NA
4922	4922 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4924	4924 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4928	4928 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4932	4932 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4938	4938 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4944	4944 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4948	4948 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
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LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 4

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4948	4948 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4952	4952 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4956	4956 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4958	4958 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4962	4962 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4901	4901 STEWARD DR	STEWARD DR	MOBILE HOME SUBDIVISION	NA	NA
4807	4807 TICE ST	TICE ST	SINGLE FAMILY RESIDENTIAL	A	A
4900	4900 TICE ST	TICE ST	MOBILE HOME PARK, RENTAL	A	A
4925	4925 TICE ST	TICE ST	SINGLE FAMILY RESIDENTIAL	A	A
191	191 ORTIZ AVE	ORTIZ AVE	MOBILE HOME SUBDIVISION	X	X
360	360 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
420	420 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
530	530 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
566	566 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
586	586 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
591	591 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
630	630 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
826	826 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
924	924 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	X	X
940	940 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1051	1051 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1070	1070 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
1091	1091 ORTIZ AVE	ORTIZ AVE	CHURCH	X	X
1131	1131 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1171	1171 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1191	1191 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1221	1221 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1265	1265 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1270	1270 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1310	1310 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1391	1391 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	NA
1420	1420 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1480	1480 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1501	1501 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	X	X
1511	1511 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1550	1550 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1591	1591 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	X	X
1610	1610 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	X	X
1620	1620 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR		
1650	1650 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT		
1651	1651 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1750	1750 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT		
1751	1751 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1841	1841 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR		
1891	1891 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	X	X
1970	1970 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT		
2030	2030 ORTIZ AVE	ORTIZ AVE	WAREHOUSING		
2040	2040 ORTIZ AVE	ORTIZ AVE	HEAVY MANUFACTURING		
4924	4924 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	X	X
4964	4964 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	X	X
1850/1880	1850/1880 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT		
186/88	186/88 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA-2 ACCOUNTS	NA-2 ACCOUNTS
720/724	720/724 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	X	X
1030	1030 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
	ACCESS UNDETERMINED	ACCESS UNDETERMINED	INDUSTRIAL, VACANT	no address?	
	ACCESS UNDETERMINED	ACCESS UNDETERMINED	MARKET VALUE AGRICULTURAL	no address?	
5103	5103 BILLYS CREEK DR	BILLYS CREEK DR	VACANT RESIDENTIAL	X	X
5109	5109 BILLYS CREEK DR	BILLYS CREEK DR	VACANT RESIDENTIAL	X	X
3933	3933 E MICHIGAN AVE	E MICHIGAN AVE	COMMERCIAL, VACANT	X	X
4836	4836 GLENWOOD AVE	GLENWOOD AVE	SINGLE FAMILY RESIDENTIAL	X	X
4853	4853 HUNTERS GREEN DR	HUNTERS GREEN DR	VACANT RESIDENTIAL	X	X

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LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 5

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4908	4908 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	X	X
4993	4993 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	X	X
4852	4852 NOTTINGHAM DR	NOTTINGHAM DR	VACANT RESIDENTIAL	X	X
4853	4853 NOTTINGHAM DR	NOTTINGHAM DR	VACANT RESIDENTIAL	X	X
4906	4906 STEWARD DR	STEWARD DR	CHURCH	A	A
4795	4795 TICE ST	TICE ST	VACANT RESIDENTIAL	X	X
4945	4945 ZANA DR	ZANA DR	VACANT RESIDENTIAL	X	X

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO.
6

STANDARD PLAN NOTES GENERAL

THE STANDARD NOTES SHOWN BELOW SHALL BE INCLUDED ON ALL WATER AND SEWER PLANS SUBMITTED FOR APPROVAL TO LEE COUNTY UTILITIES (LCU).

A. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LEE COUNTY UTILITIES OPERATIONAL MANUAL WHICH IS ON FILE AT THE DIVISION OF LEE COUNTY UTILITIES OFFICE (1500 MONROE STREET, FORT MYERS, FLORIDA 33902).

B. DELETE.

C. AT THE SITE KEEP AND MAINTAIN ONE RECORD COPY OF ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND ALL TECHNICAL DOCUMENTS SUBMITTED IN GOOD ORDER. AS THE WORK PROGRESSES THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE SHALL RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES AT EACH; SEWER, WATER, ELECTRIC, GAS, COMMUNICATION AND OTHER SERVICES BY OFF-SET DISTANCE TO PERMANENT IMPROVEMENTS SUCH AS BUILDING AND CURBS. THESE RECORD DRAWINGS MUST BE CERTIFIED BY THE FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO PREPARED THE PLANS AND SIGNS AND SEALS THESE PLANS. THE RECORD DRAWINGS SHALL INCLUDE VERTICAL AND HORIZONTAL ALIGNMENT OF ALL WATER, SEWER, AND EFFLUENT REUSE LINES, VALVES, TEES, BENDS, REDUCERS, HYDRANTS, PUMP STATIONS, SERVICE CONNECTIONS, METER BOXES AND/OR PADS, AND OTHER PERTINENT STRUCTURES. PIPELINE RUNS IN EXCESS OF 152.4M, (500'), WITHOUT FITTINGS SHALL INCLUDE VERTICAL ALIGNMENT INFORMATION AT 152.4M, (500') INTERVALS. SAID ALIGNMENT SHALL BE TIED TO PERMANENT IMPROVEMENTS, SUCH AS ROADWAY AND/OR RAILROAD CENTERLINES AND RIGHTS-OF-WAY, BUILDING AND PROPERTY CORNERS, AND SHALL BE CERTIFIED BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF FLORIDA. THE PROFESSIONAL LAND SURVEYOR CAN COORDINATE WITH THE CONTRACTOR TO INSTALL THE NECESSARY APPURTENANCES ON BURIED UTILITIES TO FACILITATE THE SURVEY AFTER CONSTRUCTION IS COMPLETED. IN ADDITION, PROPERTY STRAP NUMBERS AND STREET NAMES SHALL BE SHOWN ON THE PLAN. ON A CASE BY CASE BASIS, LEE COUNTY UTILITIES MAY WAIVE THE REQUIREMENT FOR CERTIFICATION BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF FLORIDA. HOWEVER, PRIOR CONSENT MUST FIRST BE OBTAINED FROM LEE COUNTY UTILITIES. THEY SHALL WITHHOLD FINAL ACCEPTANCE OF THE PROJECT UNTIL THE REQUIREMENT FOR RECORD DRAWINGS AND RELATED RECORDS HAS BEEN MET. RECORD DRAWINGS WITHOUT DETAILED FIELD VERIFIED HORIZONTAL AND VERTICAL LOCATIONS OF ALL FACILITIES SHOWN WILL BE REJECTED.

D. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. LEE COUNTY UTILITIES SHALL BE NOTIFIED 48 HOURS PRIOR TO PROJECT MOBILIZATION.

E. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

F. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.

G. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND TO COMPLETE WORK.

H. LCU INSPECTION STAFF MAY OBSERVE PROJECT CONSTRUCTION.

I. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.

J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AN NO PRE-D STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.

K. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND LCU.

L. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.

M. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BAILS) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.

N. IN THE EVENT THAT HARD LIMESTONE FORMATION IS ENCOUNTERED, MAKING IT IMPOSSIBLE TO EXCAVATE TO THE DEPTH REQUIRED UNDER THIS CONTRACT, THE CONTRACTOR MAY BE ALLOWED TO REDUCE THE PIPE COVER TO NOT LESS THAN TWO (2) FEET WHILE MAINTAINING THE LCU REQUIRED THICKNESS OF BEDDING UNDER THE PIPE. SUCH DEVIATION FROM THE PLANS MUST BE FIRST BE APPROVED BY LCU AND THE ENGINEER PRIOR TO THE PIPE LAYING. IF TWO FEET OF COVER OR MORE CAN NOT BE ATTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHOD OF CONSTRUCTION OR PIPE PROTECTION WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE LCU.

O. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.

P. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.

Q. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

R. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES AND FDOT AND LCDOT PRIOR TO CONSTRUCTION.

S. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.

T. WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.

U. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

V. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.

LEGEND

12 W — 12 W	WATERMAIN (12" SHOWN)
30 RW — 30 RW	RAW WATERMAIN (30" SHOWN)
24 FM — 24 FM	FORCEMAIN (24" SHOWN)
18 SS — 18 SS	SANITARY SEWER (18" SHOWN)
xstm	EXISTING STORMWATER DRAINAGE
SSV	PROPOSED SANITARY PLUG VALVE
	PROPOSED FIRE HYDRANT
WV	PROPOSED GATE VALVE
	PROPOSED TAPPING VALVE
	PROPOSED REDUCER
LCU	LEE COUNTY UTILITIES

NOTES

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. ALL WORK SHALL CONFORM TO LEE COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.
3. ALL FRAMES, COVERS, VALVE BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
4. LEE COUNTY UTILITIES SHALL BE NOTIFIED 72 HOURS PRIOR TO STARTING OF WORK AND PRIOR TO TESTING.
5. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE ANY OTHER CONSTRUCTION.
7. THE CONTRACTOR SHALL COMPLY WITH ALL FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND LEE COUNTY PUBLIC HEALTH UNIT REQUIREMENTS.
8. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD AND STANDARD INDEXES WITH WARNING SIGNS, BARRIERS AND DEVICES AS REQUIRED BY FDOT. REFER TO FDOT INDEX NO. 610 AND 611.
9. CONNECTION TO EXISTING MAINS SHALL BE COMPLETED BY THE CONTRACTOR AFTER LEE COUNTY HEALTH DEPT. OR FDEP CLEARANCE. APPROPRIATE NOTICES SHALL BE ISSUED TO UTILITY CUSTOMERS FOR MAIN SHUTDOWN AND CONNECTION SHALL BE MADE USING NECESSARY FITTINGS, PIPE AND SOLID SLEEVE REPAIR COUPLINGS.
10. DIRECTIONAL BORE AND/OR OPEN TRENCH HDPE PIPE SHALL BE CONNECTED TO PVC OR DIP PIPE USING APPROPRIATE FITTINGS, STAINLESS STEEL INSERTS AND SOLID SLEEVE REPAIR COUPLINGS WHEN REQUIRED. CASING PIPE SHALL HAVE A CASCADE WATERWORKS MFG. CO. MODEL CCES, OR APPROVED EQUAL, RUBBER SEAL CONNECTED WITH STAINLESS STEEL STRAPS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
11. FIRE HYDRANT ASSEMBLIES SHALL BE CONNECTED TO THE WATERMAIN PER THE DETAIL AND INCLUDE THE INLINE TEE, GATE VALVE, FIRE HYDRANT, PIPE, THRUST BLOCKS AND BOLLARDS WHEN REQUIRED.
12. AFTER MAIN CLEARANCE, SERVICES ON THE OLD MAIN SHALL BE RECONNECTED TO THE NEW MAIN PER THE DETAIL. CONDUITS SHALL BE INCLUDED FOR SERVICES EXTENDING ACROSS THE ROAD PAVEMENT.
13. SERVICES NO LONGER REQUIRED DUE TO DEMOLITION OF EXISTING STRUCTURES SHALL BE PROPERLY ABANDONED.
14. ALL SERVICES SHALL BE ADJUSTED TO AVOID CONFLICTS WITH HIGHWAY CONSTRUCTION STRUCTURES, GRADING AND PIPES.
15. PRIOR TO CONSTRUCTION OF LCU WATER MAINS TO SERVE BALLARD ROAD. LUCKETT ROAD, HUNTERS GREEN DRIVE, NOTTINGHAM DRIVE AND ZANA DRIVE, FUTURE SERVICE OF THESE NEIGHBORHOODS SHALL BE CONFIRMED. IF THE CITY OF FORT MYERS WILL SERVE THESE NEIGHBORHOODS, LCU WATERMAIN EXTENSIONS WILL NOT BE NEEDED.
16. THE CONTRACTOR SHALL UTILIZE TRENCH BOXES, TEMPORARY SHEET PILES, OR SHORING, AS NECESSARY, TO MAINTAIN UTILITY WORK WITHIN RIGHT-OF-WAY LINES

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LEE COUNTY SEWER GENERAL NOTES

SHEET NO. 7

Sanitary Sewer Manholes

Ortiz Avenue

Manhole	Station	Offset	Side	Existing Rim El.	Invert	PGL	Proposed Rim El.
SS-1	1064+99.28	52.09	LT	21.05		22.50	21.20
SS-2	1065+04.76	14.29	LT	21.60	17.54W//9.14N//8.97E	22.48	22.12
SS-3	1067+57.14	35.86	LT	20.99	8.19S//8.17W//8.11N//8.21E	21.72	20.82
SS-4	1070+08.39	15	LT	21.70	6.84S//6.69N//7.08E	22.07	22.17
SS-5	1073+23.09	31.79	RT	21.37	6.58S//6.62N//6.60E	23.01	22.22
SS-6	1076+47.30	35.35	RT	21.08	5.07W//4.54N//5.12S//5.15E	22.48	22.17
SS-7	1079+47.98	43.67	RT	23.30	4.98S//5.53W//4.80N//5.8E	21.31	20.90
SS-8	1082+42.05	40.28	RT	19.69	5.17W//4.08N//4.31S//4.87E	20.16	19.50
SS-9	1085+85.71	40.42	RT	18.82	3.87S//3.80N	19.75	19.33
SS-10	1089+40.43	40.78	RT	17.97	2.90S//2.89N	19.37	18.90
SS-11	1092+90.31	40.64	RT	17.28	1.55S//1.11N//0.87E	18.32	17.83
SS-12	1094+64.99	46.32	RT	1.45	1.40S//1.35N//1.50E	17.80	17.10
SS-13	1097+95.90	43.85	RT	16.27	2.27E//2.42N//2.29S	16.81	16.25
SS-14	1101+23.65	39.56	RT	15.81	3.64S//3.62E//3.66N	15.82	15.45
SS-15	1104+43.05	38.25	RT	15.20	5.20S//5.15N//5.18E	15.46	15.05
SS-16	1106+59.12	40.19	RT	14.74	5.09W//5.15S	15.98	15.46
SS-17	1110+80.02	64.47	RT	14.41	5.14N	14.83	14.42
SS-18	1111+19.42	61.7	RT	XX.XX	paved over manhole	14.50	XX.XX
SS-19	1114+39.08	59.75	RT	12.89	4.12E//3.75N//3.91S	14.46	12.96
SS-20	1116+22.97	61.04	RT	12.78	0.73SW//3.48S//2.50N	14.86	13.96
SS-21	1116+36.22	2.78	LT	XX.XX	no survey information	14.81	XX.XX
SS-22	1118+49.62	58.23	RT	12.68	1.64S//2.14N//2.20E	14.06	13.10
SS-23	1120+59.43	61.09	RT	13.40	2.99S//2.39N	14.69	13.55
SS-24	1124+41.76	58.16	RT	13.90	2.99S//3.24N//3.76E	14.48	13.40
SS-25	1126+11.41	64.72	RT	14.55	3.37S//3.45N//3.68E	15.36	14.70
SS-26	1129+16.35	110.94	RT	15.26	4.16W//3.52S//3.72NW	16.90	15.41
SS-27	1129+85.54	108.71	RT	15.45	3.89SE//3.88NW	16.98	13.50
SS-28	1130+09.68	87.29	RT	14.49	4.02NW//3.96SE	16.93	13.50
SS-29	1131+24.67	78.01	RT	14.54	4.25SE//4.24NW	16.59	13.70
SS-30	1135+12.08	27.21	RT	15.31	6.40NE/4.98NW//4.80SE	17.23	17.13
SS-31	1138+29.93	30.28	RT	15.56	8.02SE	16.75	16.45
SS-32	1140+10.14	37.24	RT	16.02	6.75SW//9.30SE//6.85NE//6.81NW	17.23	16.65
SS-33	1142+63.64	38.02	RT	16.19	7.17SE//7.25NW	16.47	15.96
SS-34	1146+13.65	40.83	RT	16.29	9.61SE//9.86NE	16.35	16.20

Ballard

Manhole	Station	Offset	Side	Existing Rim El.	Invert	PGL	Proposed Rim El.
SS-35	293+26.30	18.09	RT	20.60	14.72W	21.41	20.60
SS-36	294+83.99	21.47	RT	21.36	13.88E//14.06W//14.03N	21.90	22.00
SS-37	294+83.91	1.17	RT	21.72	8.82W//8.90E//12.62S	21.90	21.95
SS-38	297+99.36	0.97	RT	22.03	9.67W//10.21NE//10.48SE	21.35	21.33
SS-39	301+60.50	0.95	LT	20.30	13.83E	20.39	20.39
SS-40	304+58.11	0.23	RT	19.72	12.6W//12.6E//12.65S	20.11	20.11
SS-41	308+14.96	2.15	LT	19.83	7.03E//10.97W//7.03S	No profile	19.83

Luckett

Manhole	Station	Offset	Side	Existing Rim El.	Invert	PGL	Proposed Rim El.
SS-42	388+86.89	0.87	RT	19.41	9.60W//9.46E	No profile	19.41
SS-43	392+54.11	2.94	RT	19.76	8.58W//8.43E	No profile	19.76
SS-44	396+60.39	4.04	LT	19.9	6.90W//6.94E	20.52	20.42
SS-45	403+13.82	89.53	LT	20.36	6.45W//6.52E	19.04	20.36
SS-46	406+72+88	104.54	LT	20.66	7.31W//7.44E	20.91	20.66
SS-47	410+30.40	100.39	LT	20.63	8.26W//8.46E	20.40	20.63
SS-48	413+67.13	81.62	LT	21.18	9.52S//9.48W//9.44E	21.41	21.18
SS-49	413+46.60	186.19	RT	20.31	10.75S//13.01E//10.74NE//10.50N	21.35	20.31
SS-50	417+52.46	19.56	LT	20.35	10.76N//10.96E//10.90S//10.85W	21.65	21.44

Glenwood

Manhole	Station	Offset	Side	Existing Rim El.	Invert	PGL	Proposed Rim El.
SS-51	491+75.57	20.19	LT	11.42	0.77E//0.80W//1.23S	No profile	11.42
SS-52	494+44.52	23.91	LT	10.71	0.26W//0.22E	11.54	11.50
SS-53	497+00.73	16.04	LT	12.45	0.46E//0.48SE//0.13W//1.09N	12.78	12.46
SS-54	497+08.25	33.67	RT	12.66	no survey information	12.75	12.66
SS-55	497+08.36	39.61	RT	no survey information	no survey information	12.75	XX.XX
SS-56	497+07.95	50.33	RT	no survey information	no survey information	12.75	XX.XX
SS-57	497+03.35	57.5	RT	no survey information	no survey information	12.77	XX.XX

Tice

Manhole	Station	Offset	Side	Existing Rim El.	Invert	PGL	Proposed Rim El.
SS-58	593+41.33	2.08	RT	15.49	9.20W//8.55E	No profile	15.49
SS-59	596+64.44	2.08	RT	14.75	5.99E//5.67N//7.27W	14.60	14.56
SS-60	597+58.10	0.69	RT	14.08	5.12S//5.06W//4.83E	14.58	14.07
SS-61	603+71.08	13.7	LT	14.06	no survey information	14.26	13.99
SS-62	607+49.51	14.02	LT	13.88	4.10W	14.03	13.75

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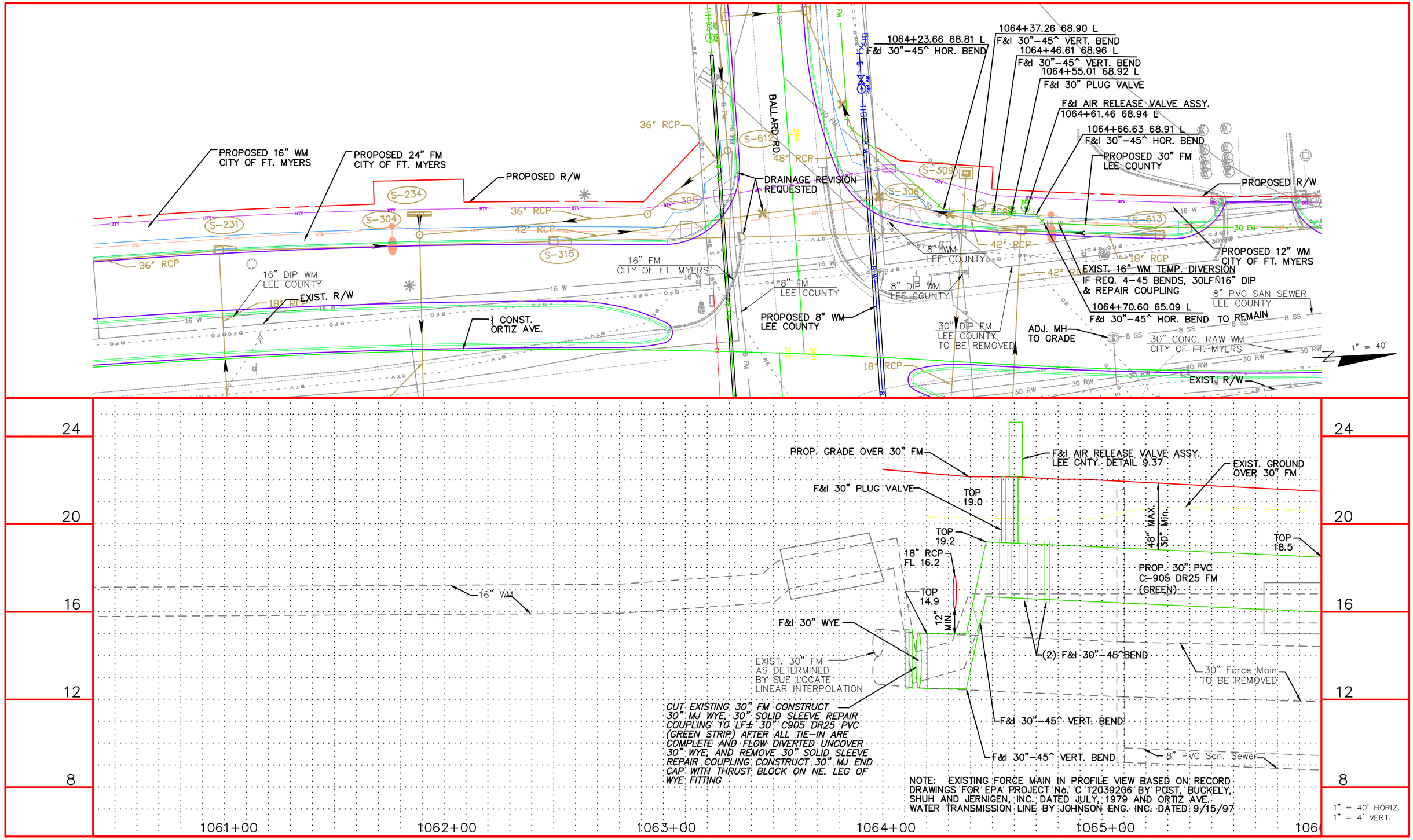
LEE COUNTY SEWER
SEWER MANHOLES

SHEET NO.
8



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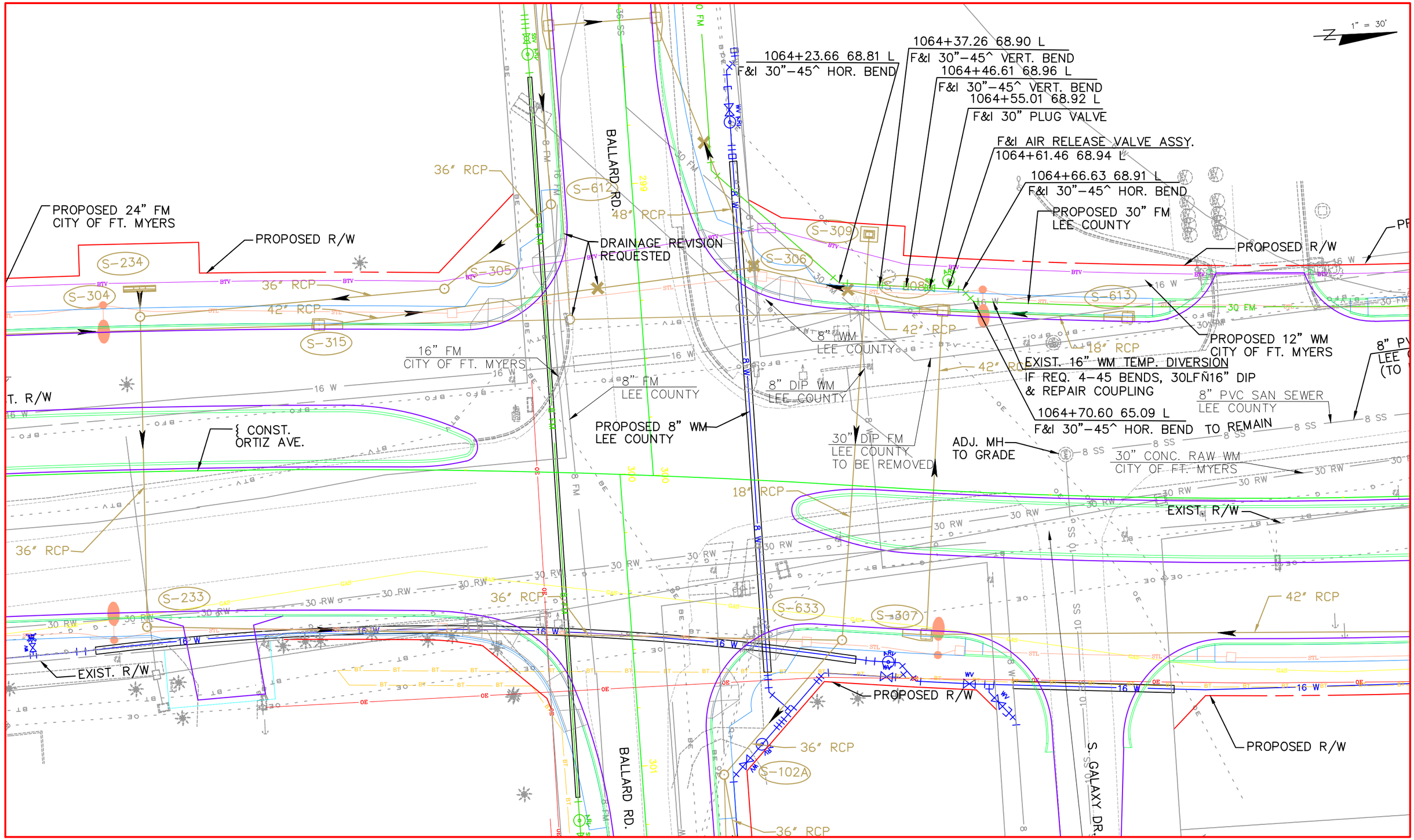
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1060+40.00 TO STA. 1066+00.00

SHEET NO. 9



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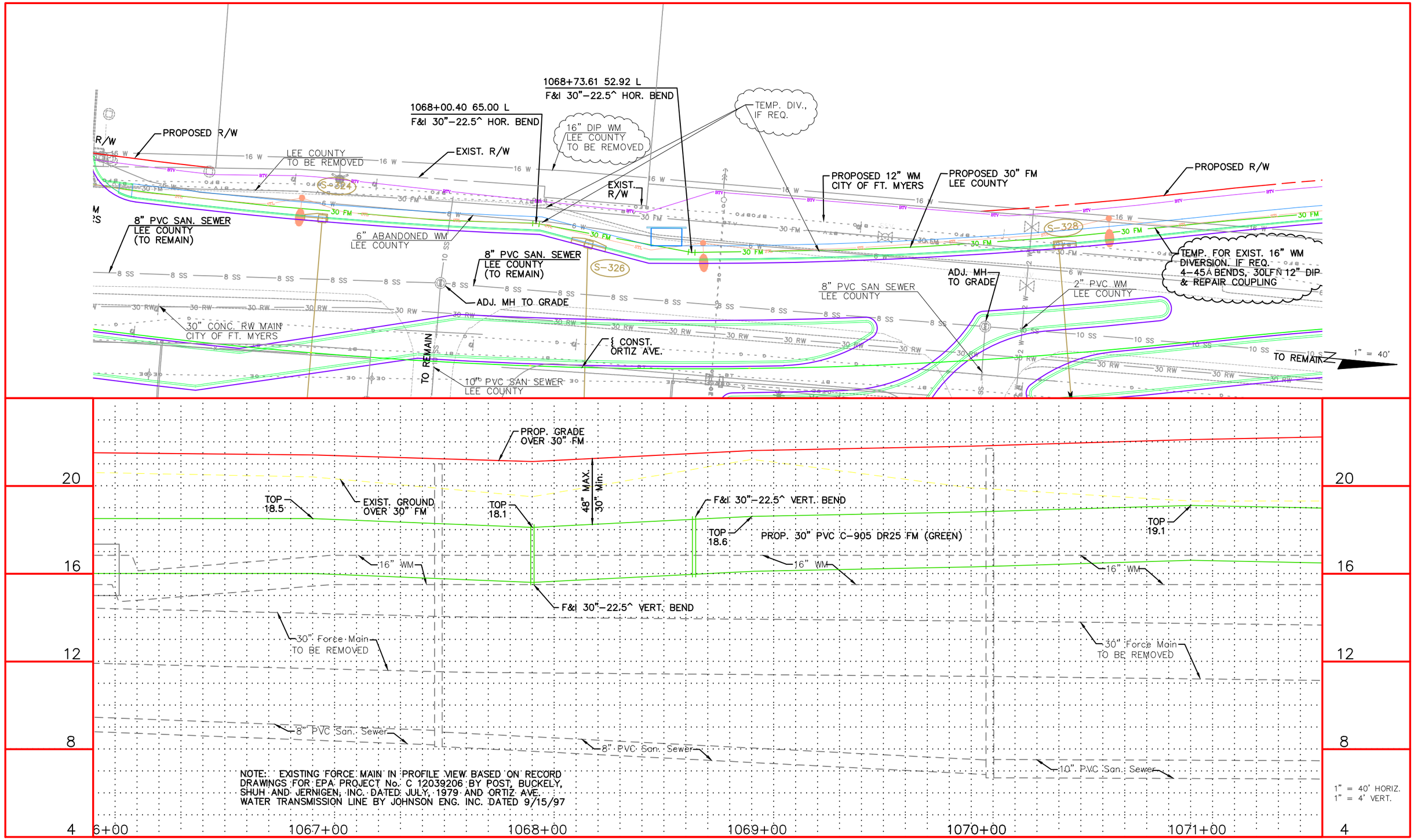
LEE COUNTY SEWER ADJUSTMENT SHEETS

BLOW-OUT

SHEET NO. 9-A



NOTE: EXISTING FORCE MAIN IN PROFILE VIEW BASED ON RECORD DRAWINGS FOR EPA PROJECT No. C 12039206 BY POST, BUCKELY, SHUH AND JERNIGEN, INC. DATED JULY, 1979 AND ORTIZ AVE. WATER TRANSMISSION LINE BY JOHNSON ENG. INC. DATED 9/15/97

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

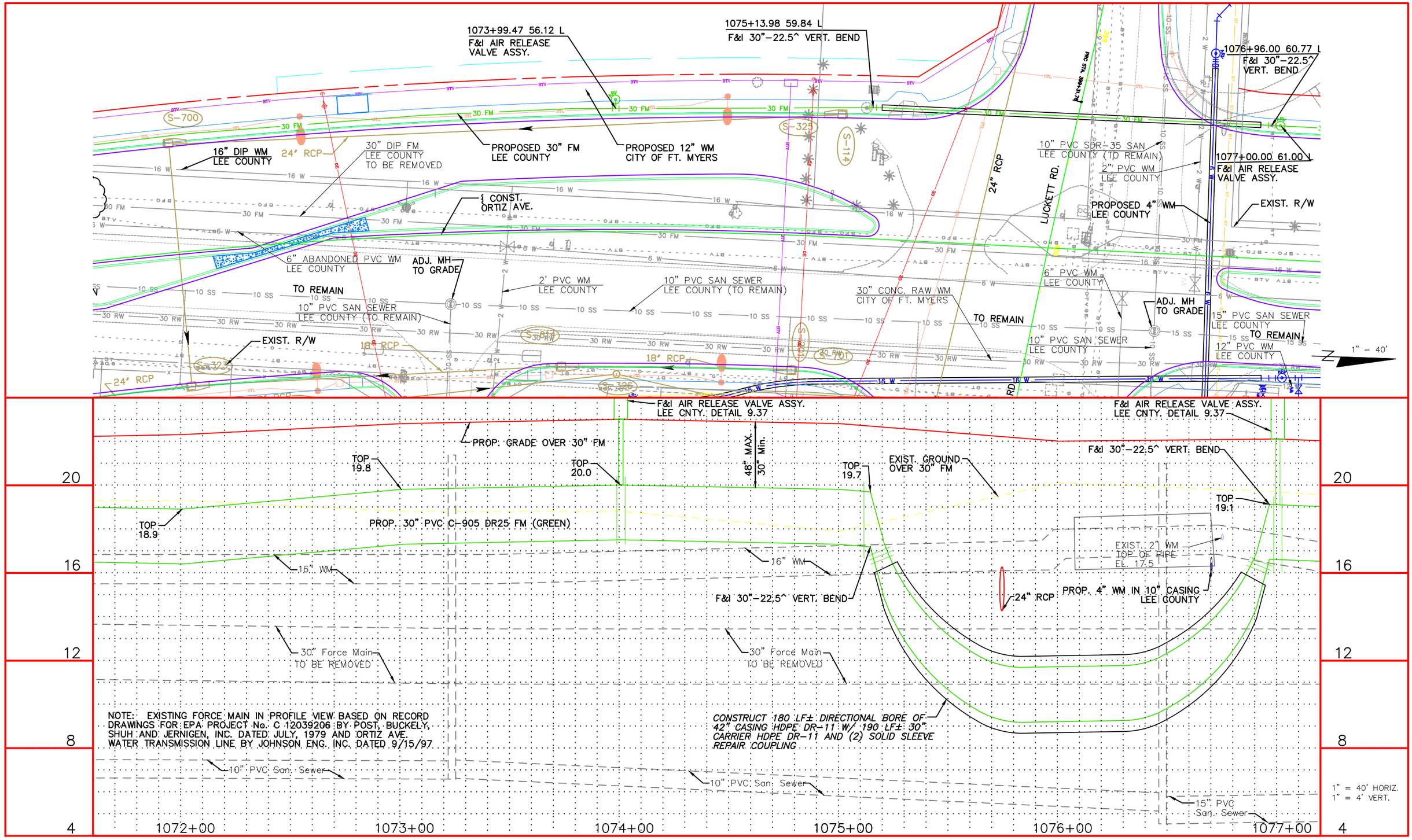
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1066+00.00 TO STA. 1071+60.00

SHEET NO. 10



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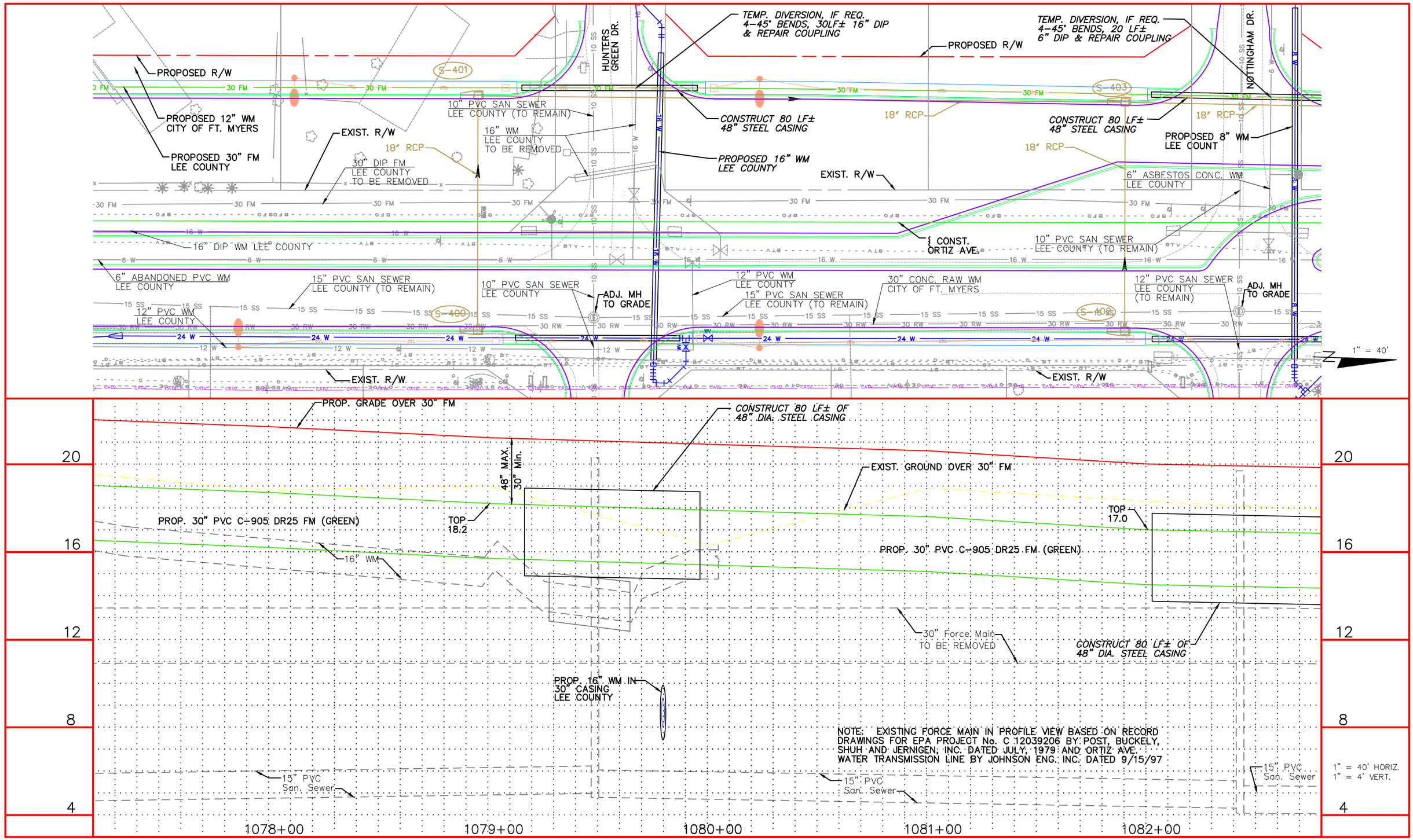
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1071+60.00 TO STA. 1077+20.00

SHEET NO.
11



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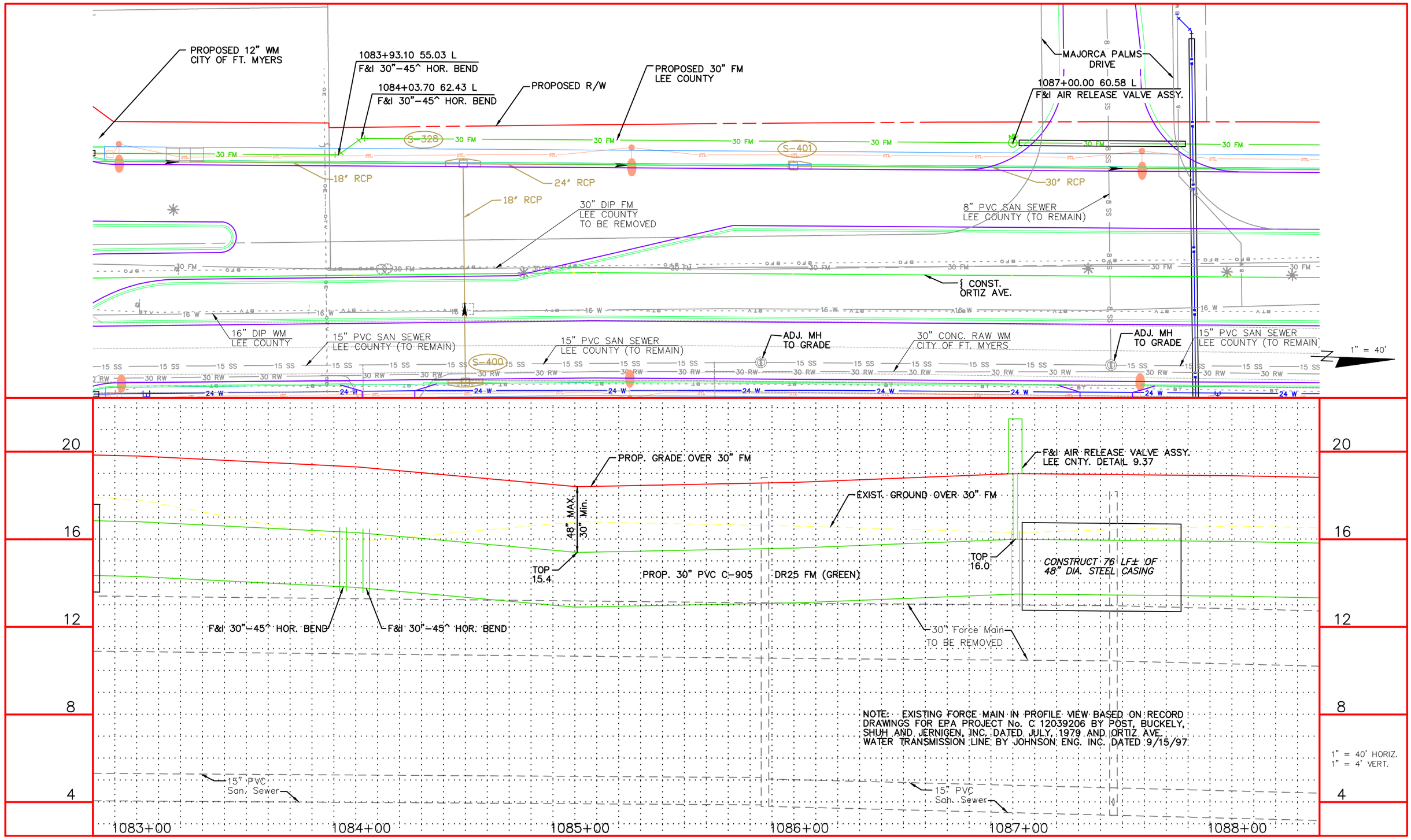
DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1077+20.00 TO STA. 1082+80.00

SHEET NO.
12



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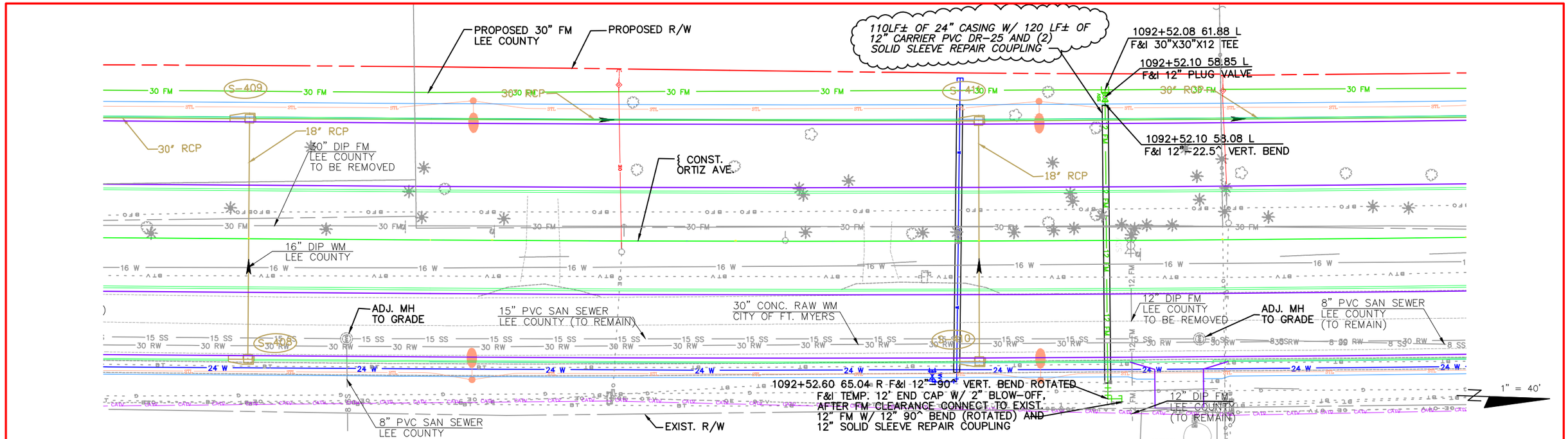
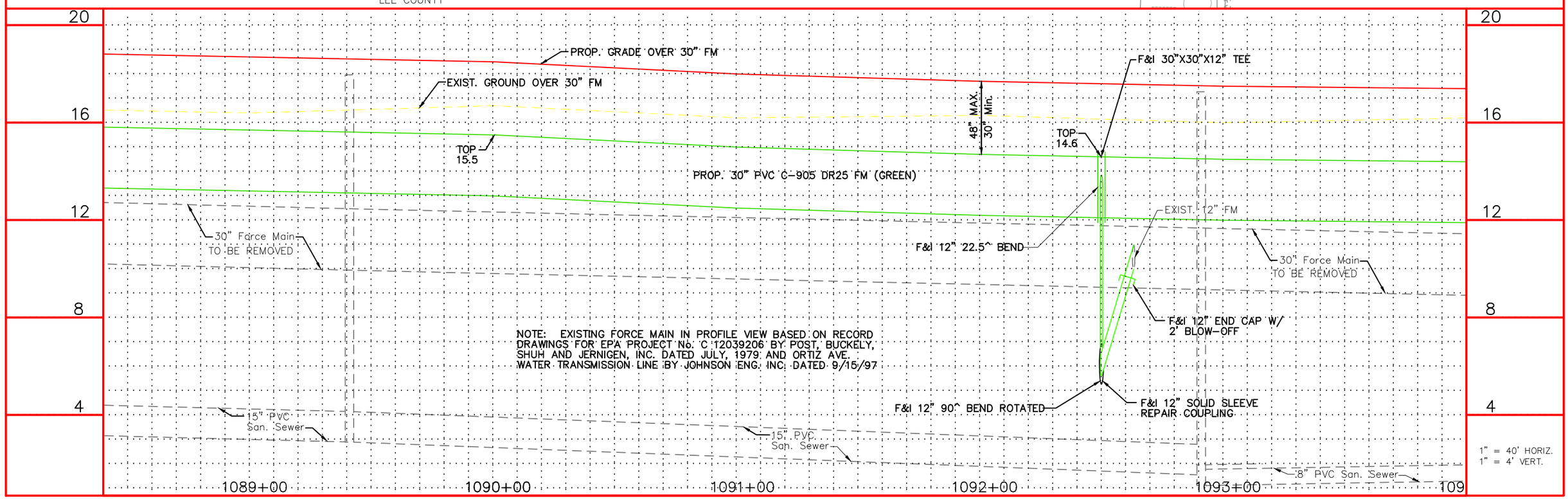
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1082+80.00 TO STA. 1088+40.00

SHEET NO. 13





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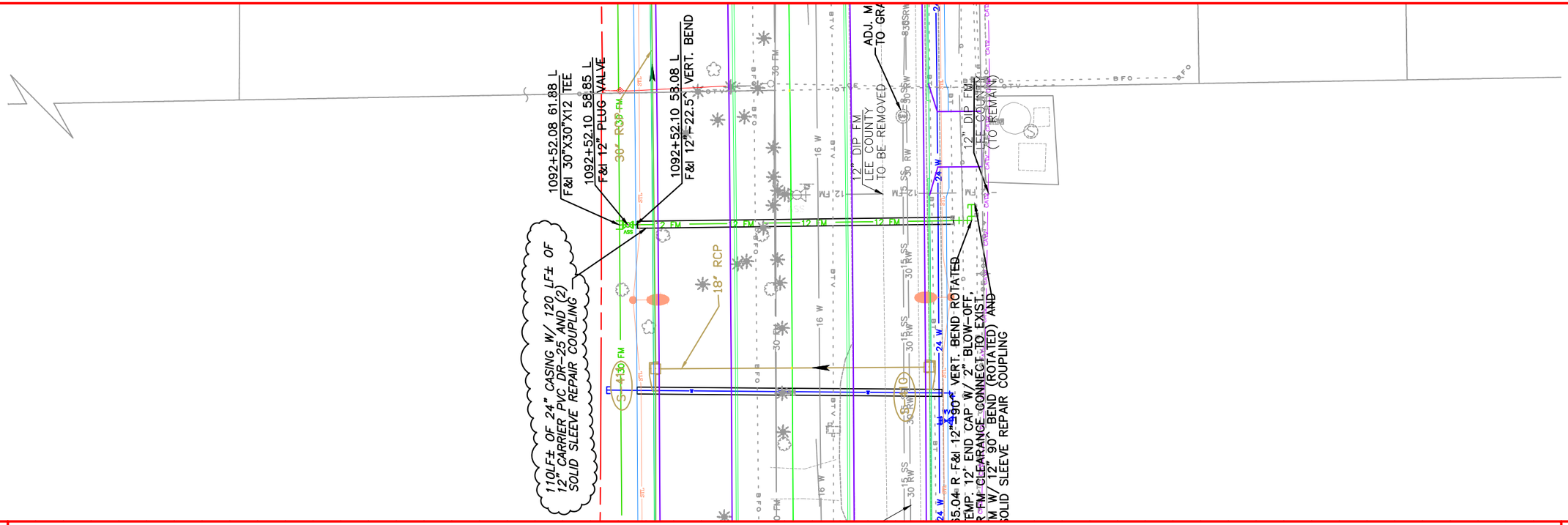
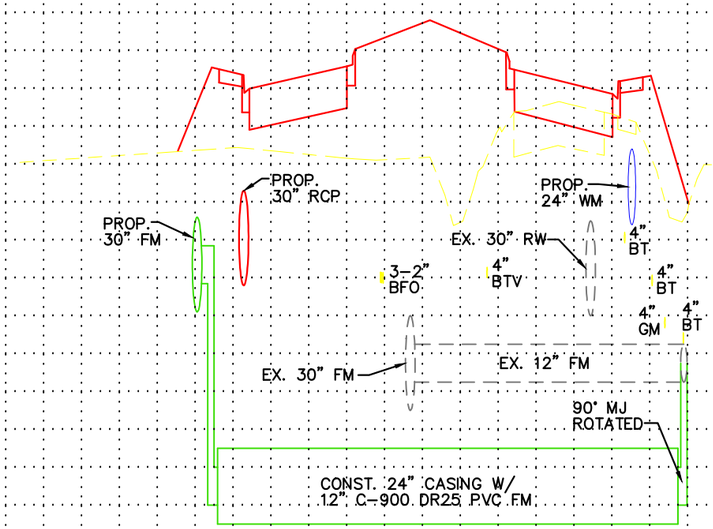
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1088+40.00 TO STA. 1094+00.00

SHEET NO.
14





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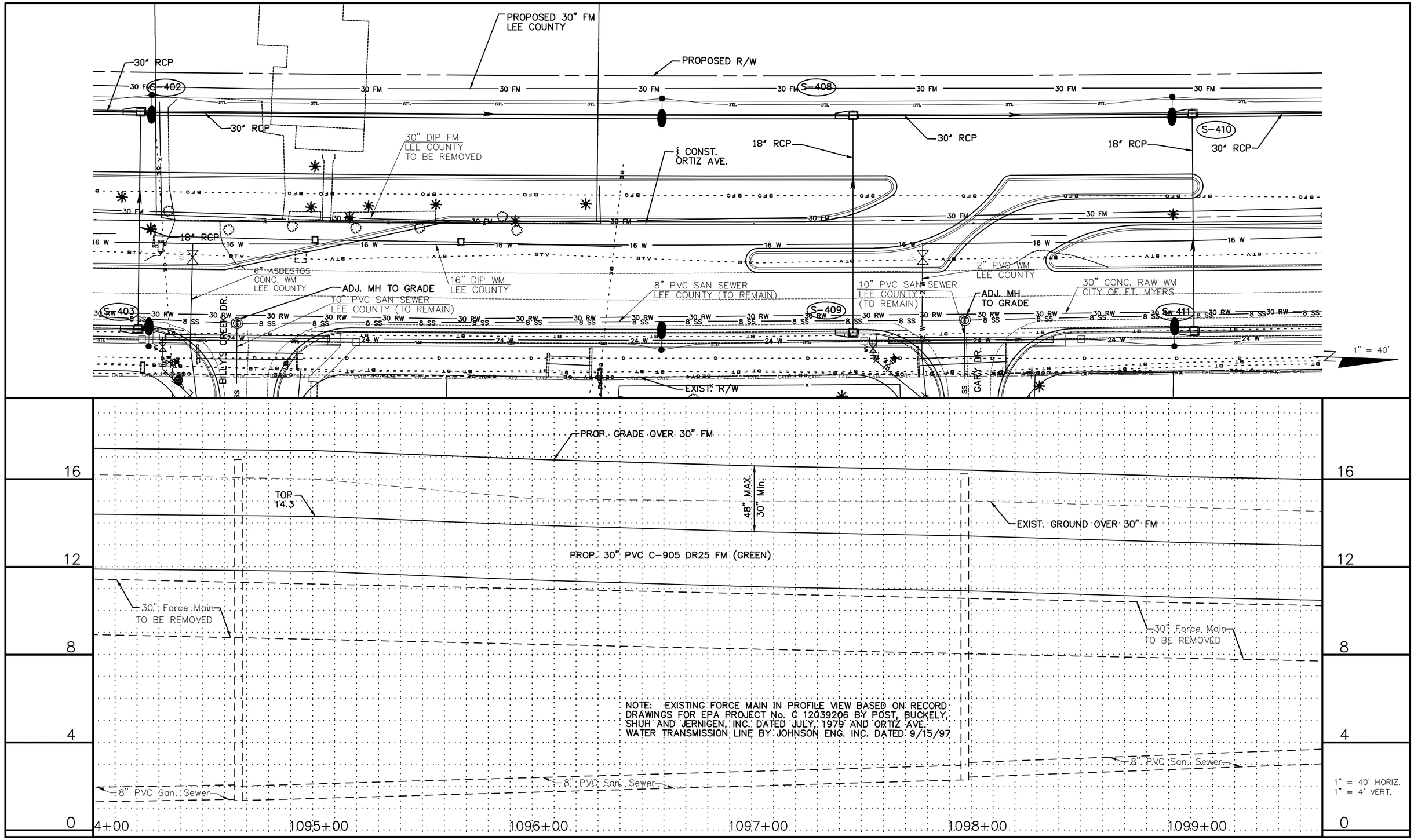
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1088+40.00 TO STA. 1094+00.00

SHEET NO. 14-A



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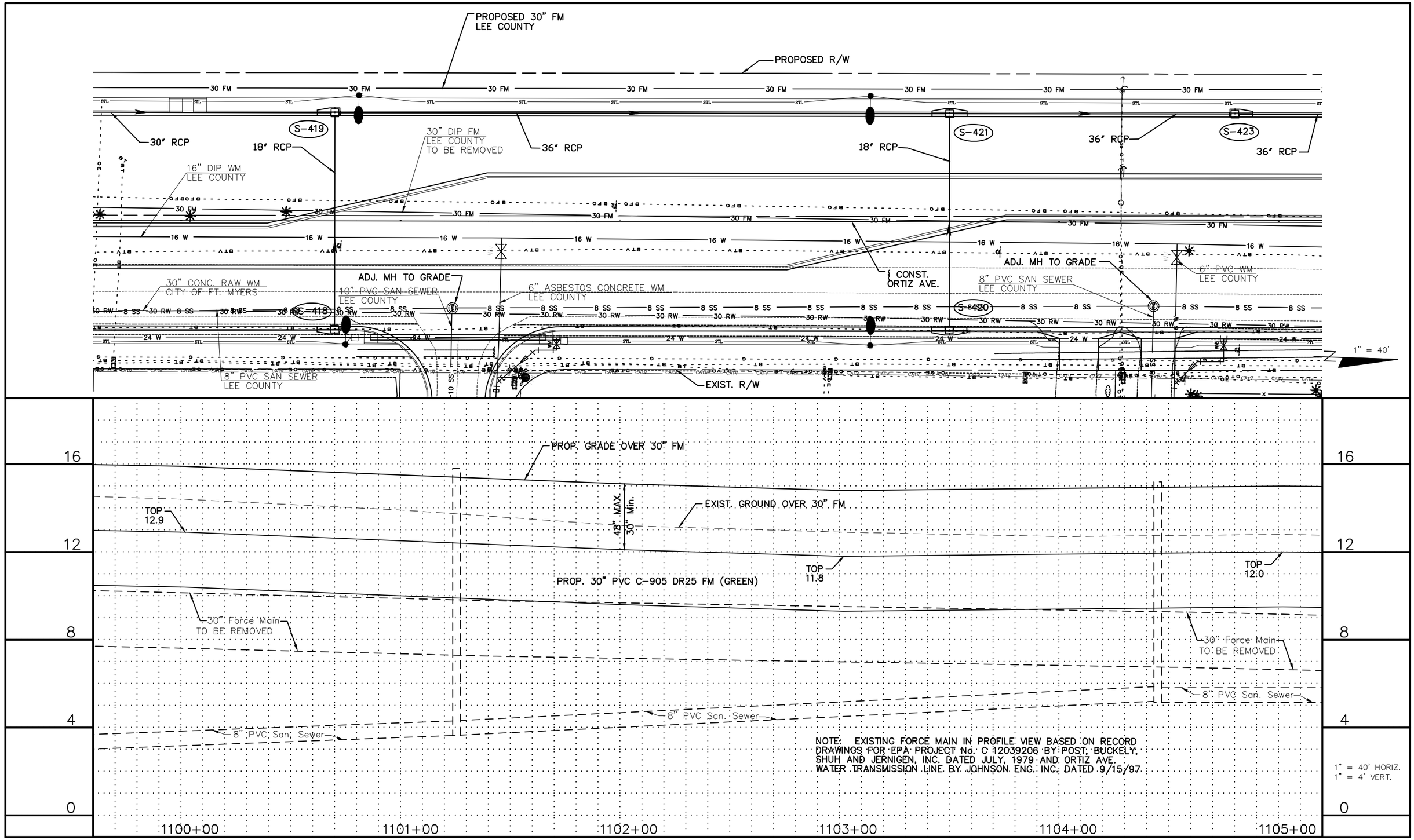
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1094+00.00 TO STA. 1099+60.00

SHEET NO. 15



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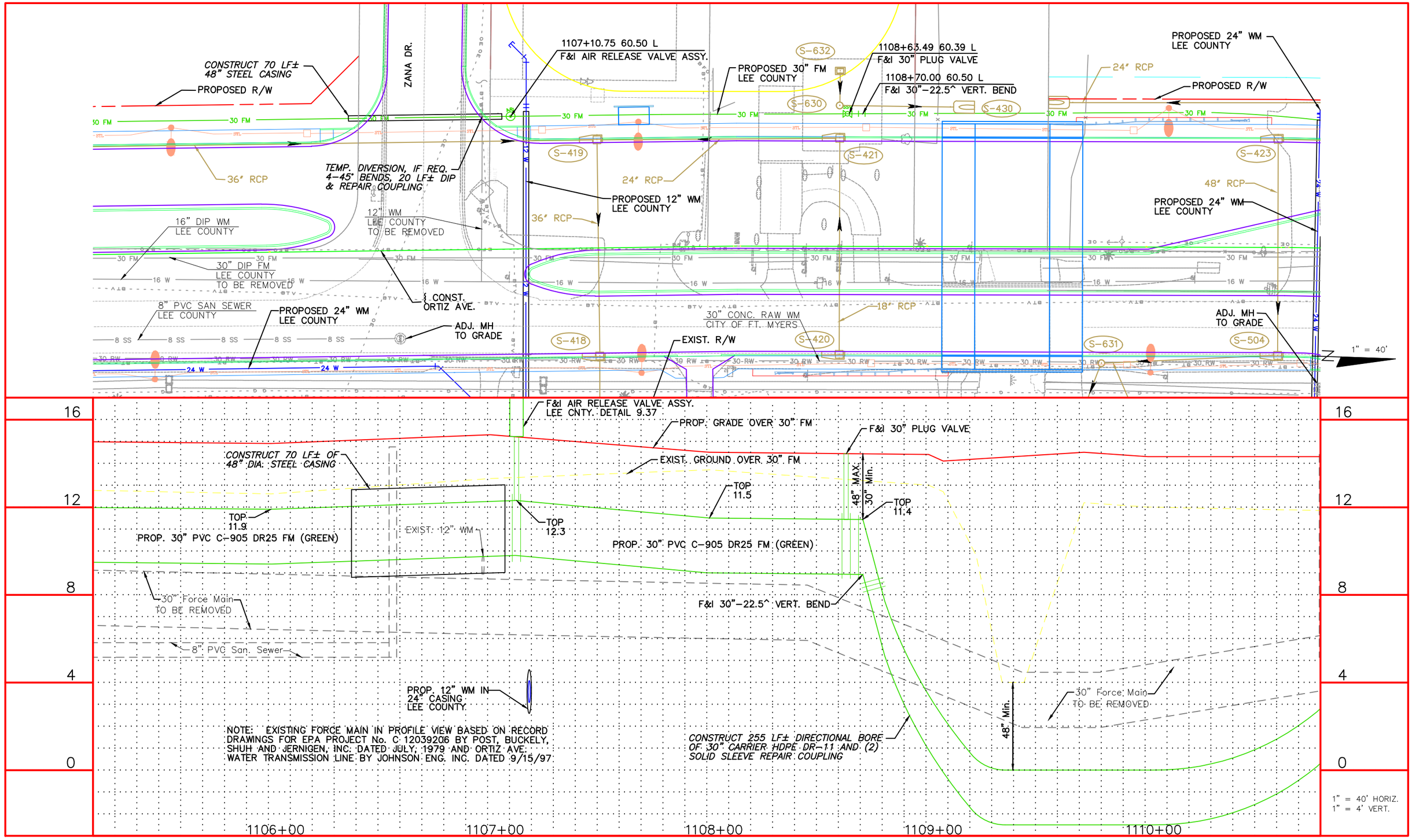
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1099+60.00 TO STA. 1105+20.00

SHEET NO.
16



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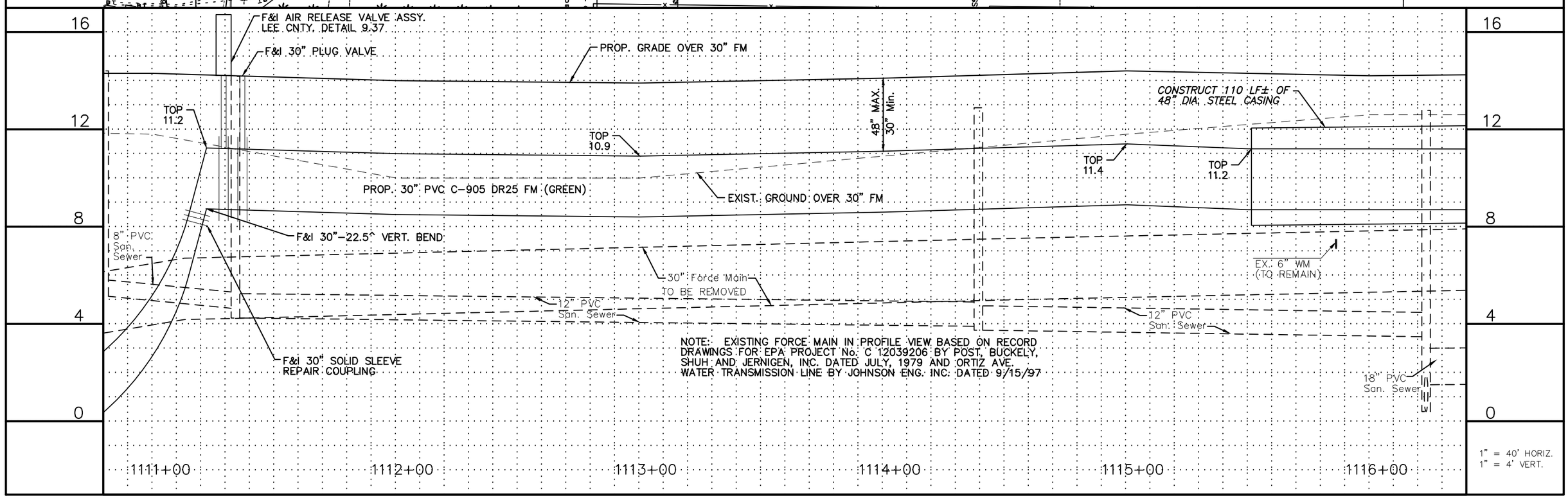
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1105+20.00 TO STA. 1110+80.00

SHEET NO. 17

24" RCP
S-504
1111+29.01 53.00 L
F&I AIR RELEASE VALVE ASSY.
24" RCP
PROPOSED 24" WM
LEE COUNTY
PROPOSED R/W
18" RCP
TEMP. 12" FM DIVERSION, IF REQ.
4-45° BENDS, 20 LF± 12" C900
CL100 PVFC & REPAIR COUPLING
CONSTRUCT 110 LF±
48" STEEL CASING
S-506
42" RCP
S-509
S-508
1111+36.71 53.00 L
F&I 30" PLUG VALVE
1111+22.00 53.00 L
F&I 30"-22.5^ VERT. BEND
42" RCP
24" RCP
PROPOSED 30" FM
LEE COUNTY
42" RCP
TEMP. 6" WM DIVERSION, IF REQ.
4-45° BENDS, 20 LF± 6" DIP
& REPAIR COUPLING
GLENWOOD AVE.
30" DIP FM
LEE COUNTY
TO BE REMOVED
CONST.
ORTIZ AVE.
6" PVC WM
LEE COUNTY
(TO BE REMOVED)
EXIST. R/W
16" DIP WM
LEE COUNTY
(TO BE REMOVED)
30" CONC. RAW WM
CITY OF FT. MYERS
8" SS LEE COUNTY
(TO REMAIN)
12" DIP FM
LEE COUNTY
(TO BE REMOVED)
6" PVC WM
LEE COUNTY
(TO BE REMOVED)
ADJ. MH
TO GRADE
10" PVC SDR-35 SAN
LEE COUNTY (TO REMAIN)
12" PVC SAN SEWER
LEE COUNTY
(TO REMAIN)
S-505
8" PVC SAN SEWER
LEE COUNTY
(TO REMAIN)
ADJ. MH
TO GRADE
18" PVC SAN SEWER
LEE COUNTY
(TO REMAIN)
EXIST. R/W
ADJ. MH
TO GRADE
1" = 40'



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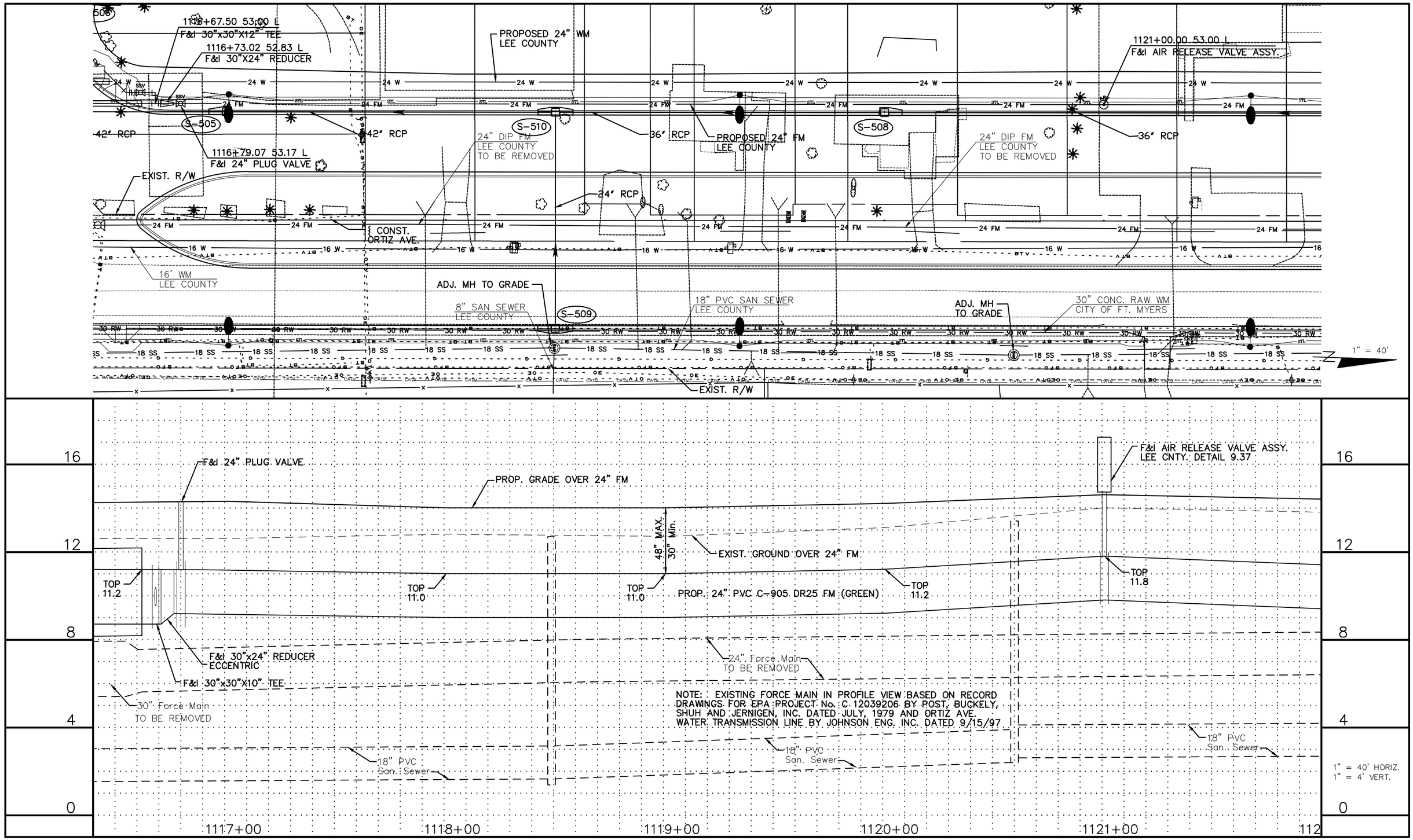
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1110+80.00 TO STA. 1116+40.00

SHEET NO. 18



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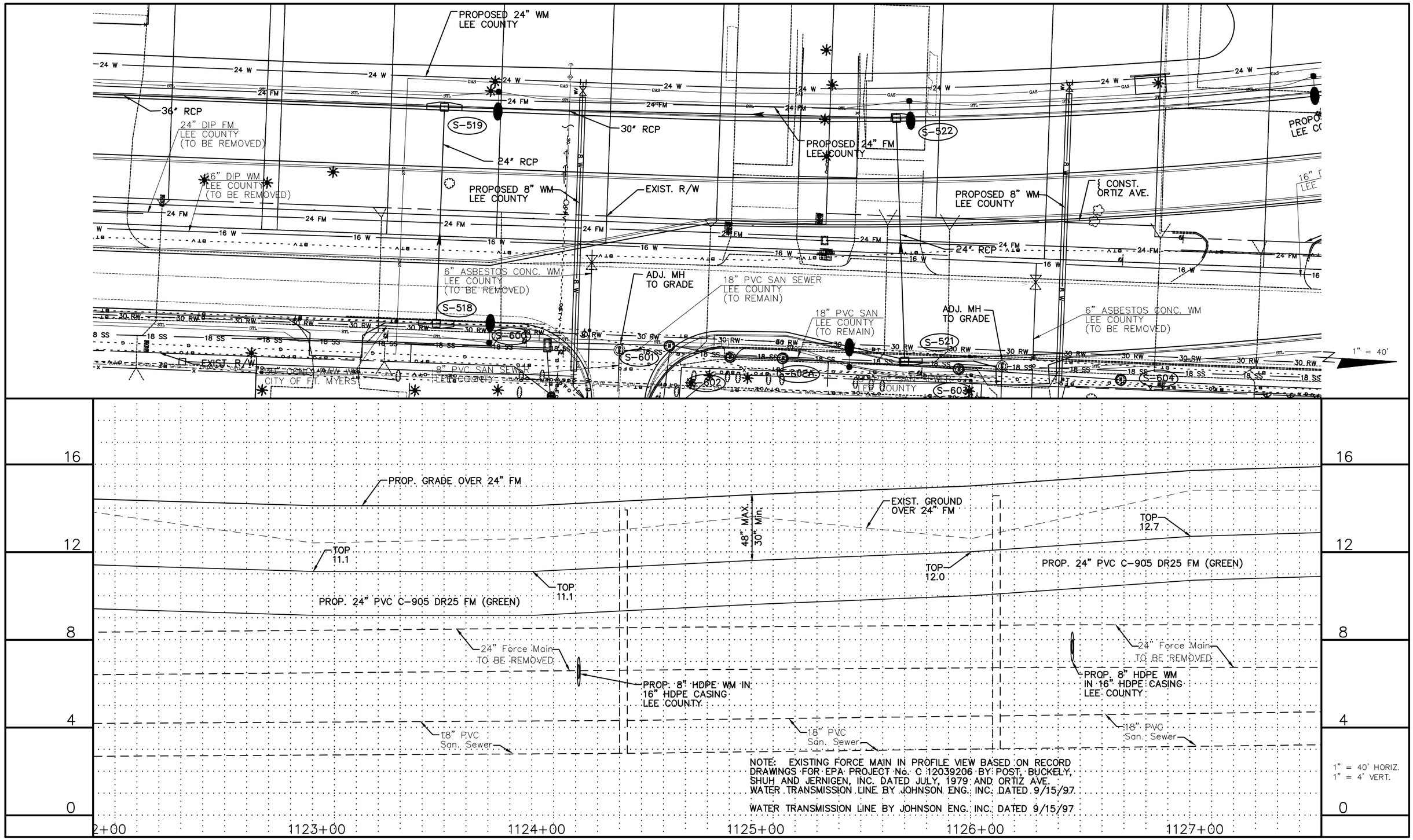
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1116+40.00 TO STA. 1122+00.00

SHEET NO.
19



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WATER TRANSMISSION LINE BY JOHNSON ENG. INC. DATED 9/15/97

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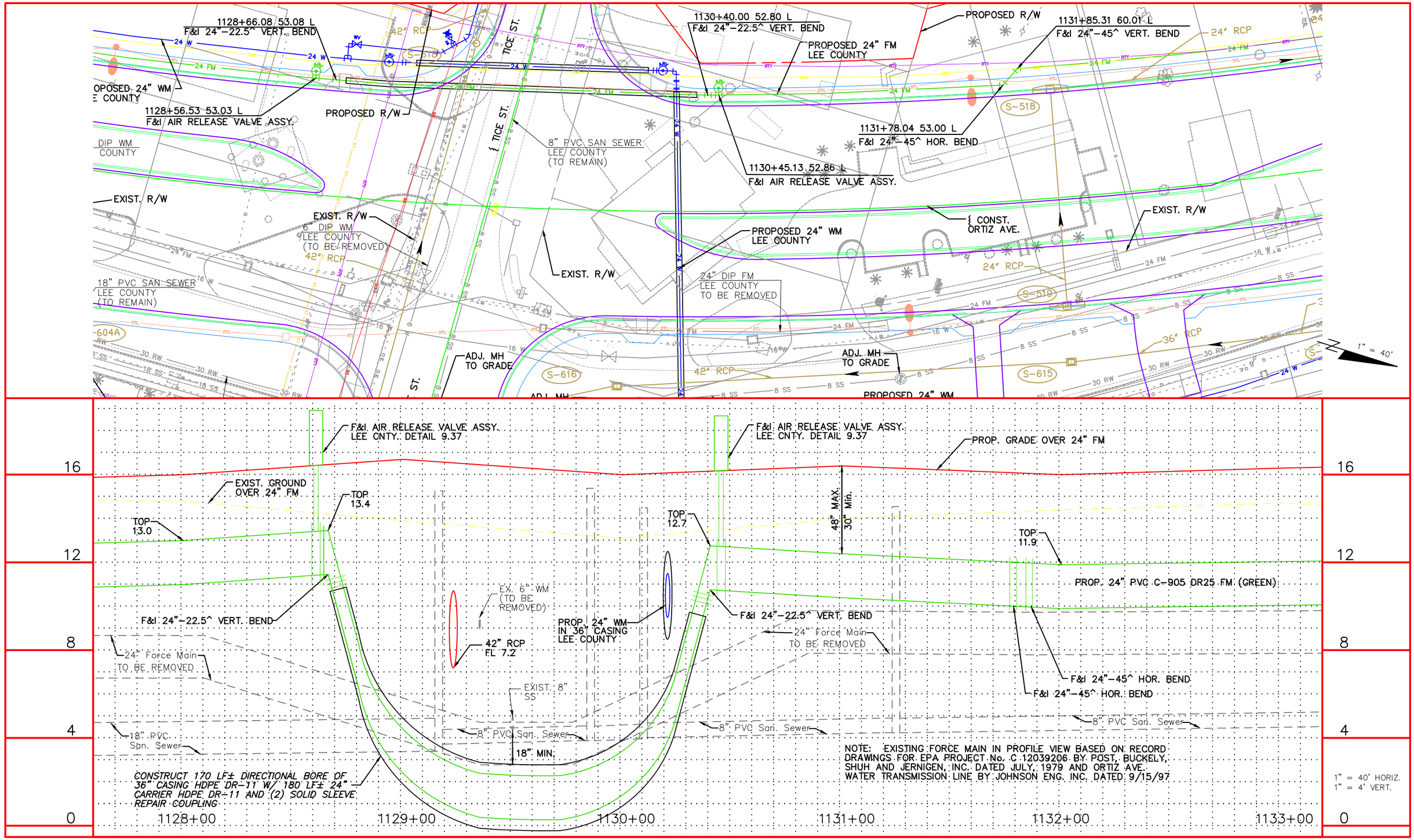
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1122+00.00 TO STA. 1127+60.00

SHEET NO.
20



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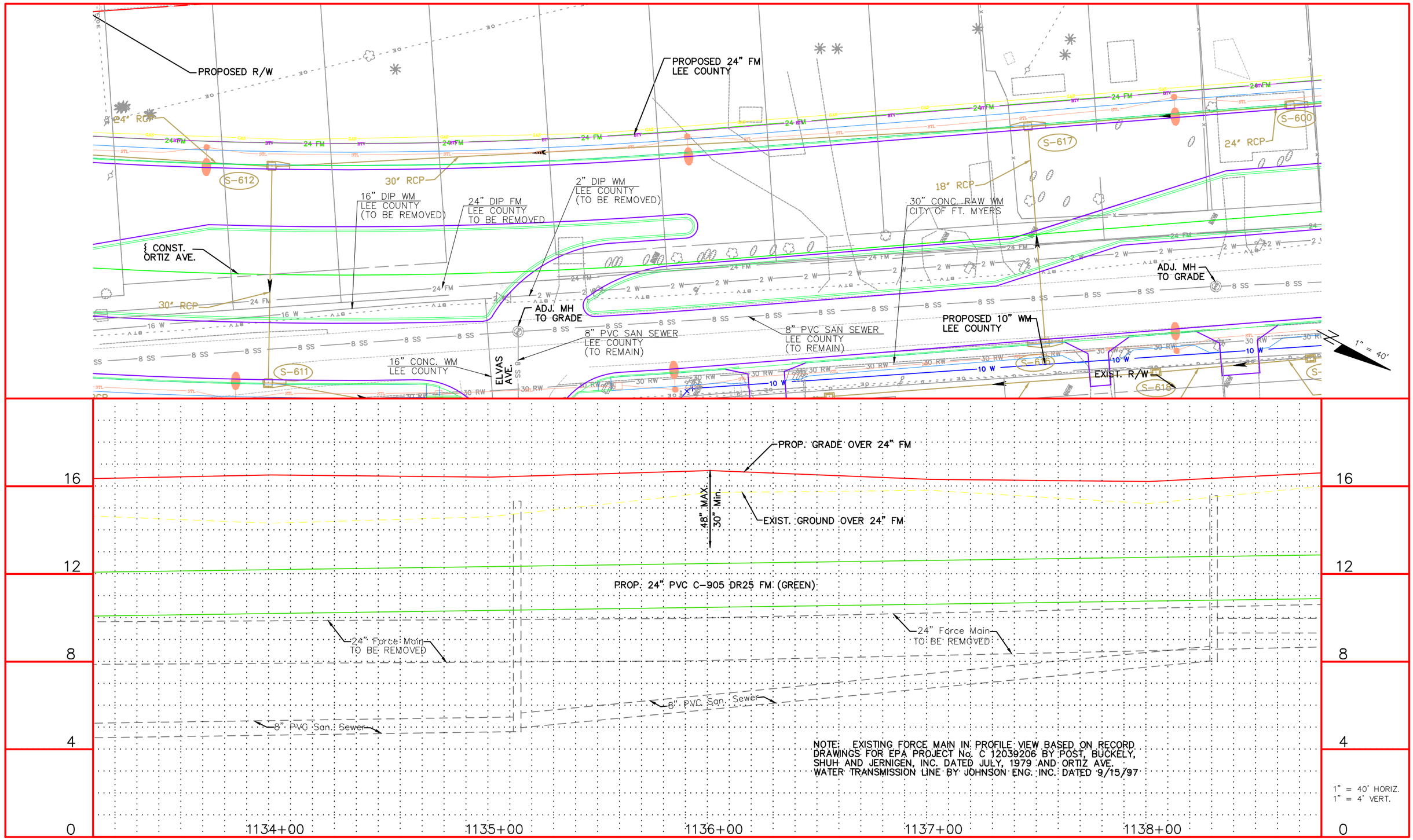
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1127+60.00 TO STA. 1133+20.00

SHEET NO. 21



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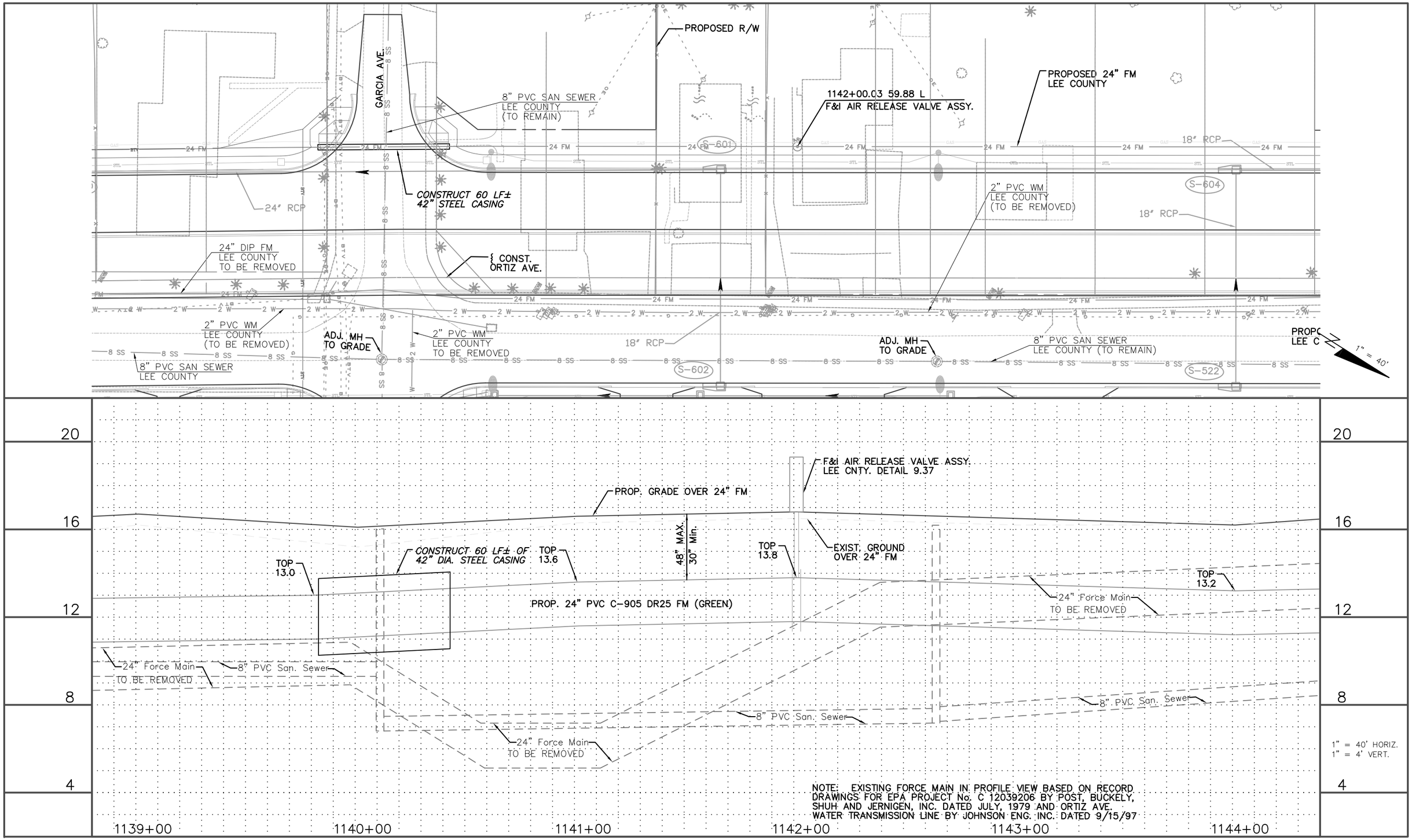
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1133+20.00 TO STA. 1138+80.00

SHEET NO. 22



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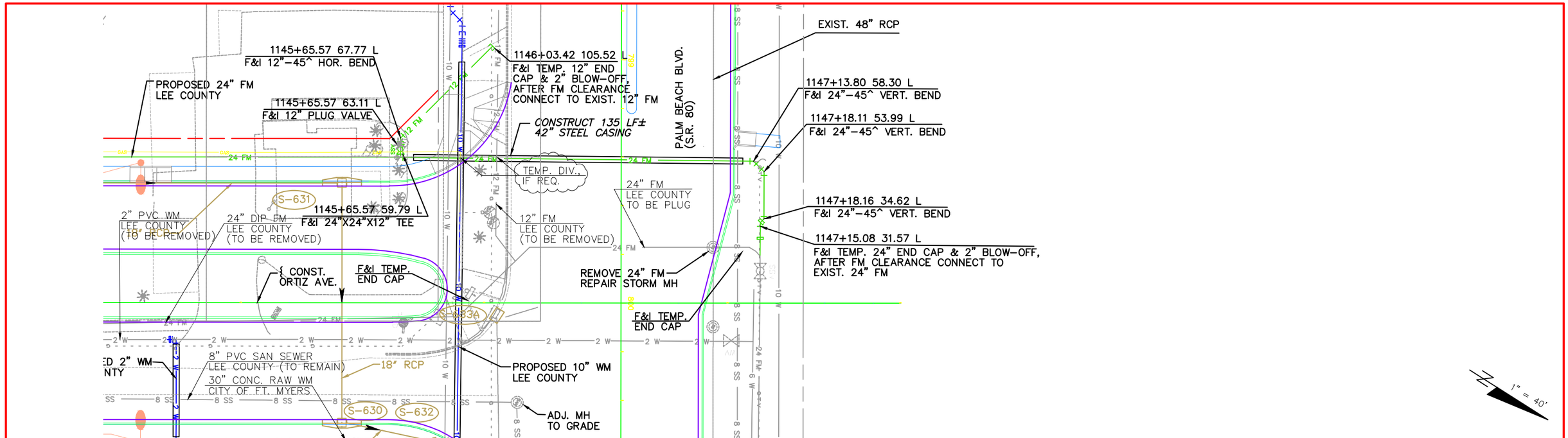
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1138+80.00 TO STA. 1144+40.00

SHEET NO. 23



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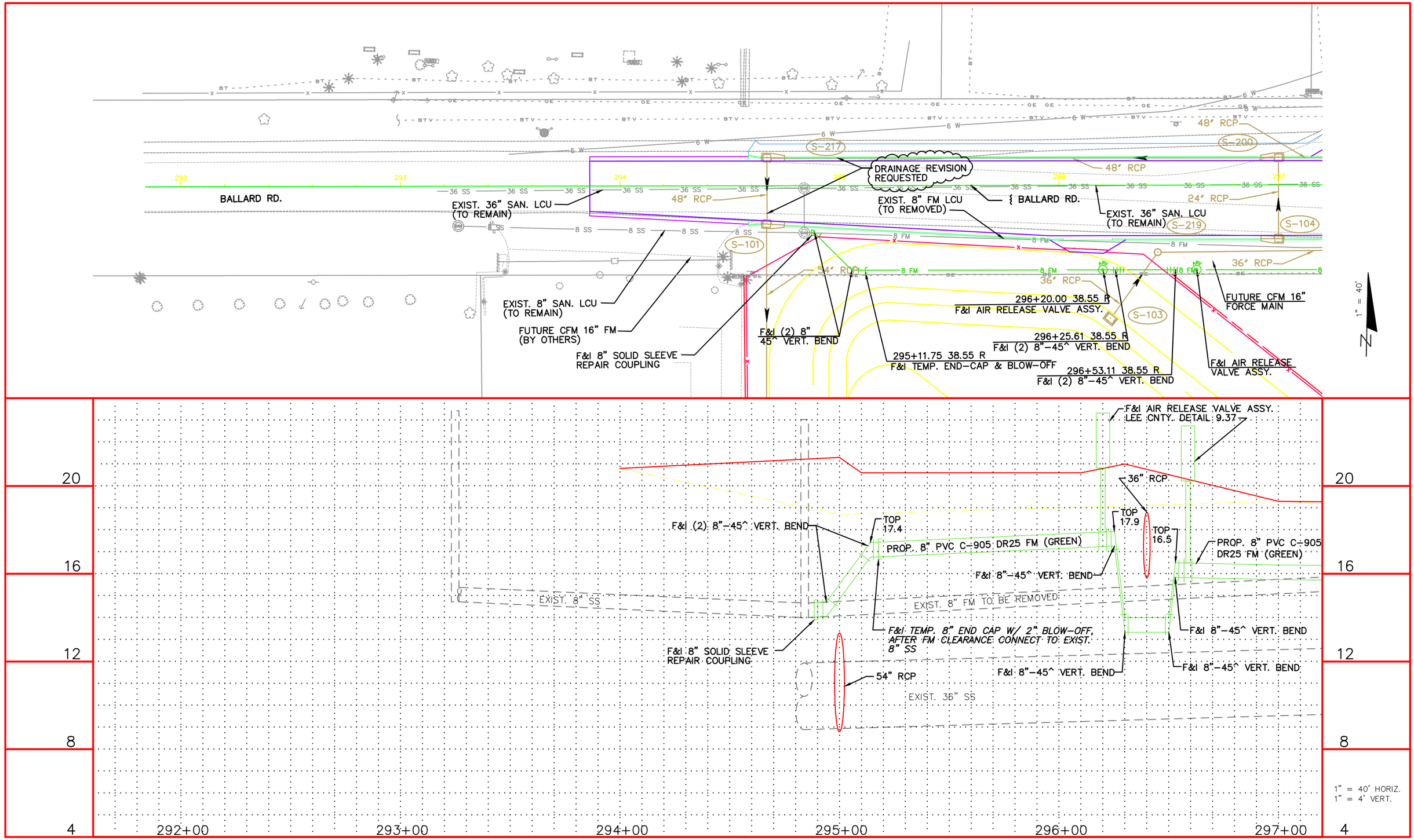
LEE COUNTY SEWER ADJUSTMENT SHEETS

STA. 1144+40.00 TO STA. 1147+71.00

SHEET NO. 24



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LEE COUNTY SEWER ADJUSTMENT SHEETS

BALLARD ROAD (1)

SHEET NO. 25

PROPOSED 30" FM
LEE COUNTY

6" WM
LEE COUNTY
ABANDONED

8" DIP WM
LEE COUNTY

PROP. 30" FM
LEE COUNTY

298+31.84 32.33 R
F&I 8"-45^ HOR. BEND

298+13.88 38.55 R
F&I (2) 8"-45^ VERT. BEND

℄ CONST. ORTIZ AVE.

36" SS
LEE COUNTY

16" FM
CITY OF FT. MYERS

DRAINAGE REVISION REQUESTED

℄ BALLARD RD.

BALLARD RD.

PROP. 8" FM
LEE COUNTY

8" DIP FM
LEE COUNTY
(TO BE REMOVED)

DRAINAGE REVISION REQUESTED

8" PVC SAN SEWER
LEE COUNTY
(TO REMAIN)

BALLARD RD.

℄ BALLARD RD.

EXIST. LCU
8" FORCE MAIN
(TO BE REMOVED)

298+25.63 38.55 R
F&I 8"-45^ HOR. BEND

298+43.59 32.25 R
F&I (2) 8"-45^ VERT. BEND

298+47.87 32.11 R
F&I 8" PLUG VALVE

298+53.27 32.12 R
F&I AIR RELEASE VALVE ASSY.

FUTURE CFM
16" FORCE MAIN

298+60.00 32.05 R
F&I 8"-22.5^ VERT. BEND

16" FM
CITY OF FT. MYERS

16" DUCTILE IRON WM
LEE COUNTY
TO BE REMOVED

PROPOSED 12" WM
CITY OF FT. MYERS

ORTIZ AVE.

30" CONC. RAW WM
CITY OF FT. MYERS

301+22.92 22.50 R
F&I 8" PLUG VALVE

301+17.00 22.50 R
F&I AIR RELEASE VALVE ASSY.

301+10.51 22.46 R
F&I 8"-22.5^ VERT. BEND

PROP. 8" FM
LEE COUNTY

1" = 40'

N

F&I 8" MJ PLUG VALVE

F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.37

PROP. GRADE
OVER 8" FM

F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.37

F&I 8" MJ PLUG VALVE

EXIST. GROUND
OVER 8" FM

F&I 8"-22.5^
MJ VERT. BEND

F&I 8"-45^
VERT. BEND

TOP
16.3

TOP
16.4

TOP
16.5

36" RCP

F&I 8"-22.5^
MJ VERT. BEND

36" RCP

TOP
18.0

TOP
17.4

48" MAX.
30" Min.

PROP. 8" PVC C-905 DR25 FM (GREEN)

PROP. 8" PVC C-905 DR25 FM (GREEN)

EXIST. 8" FM
TO BE REMOVED

EXIST. 8" FM TO BE REMOVED

EXIST. 30" FM

EXIST. 8" FM TO BE REMOVED

EXIST. 8" FM TO BE REMOVED

EXIST. 8" SS

EXIST. 36" SS

EXIST. 36" SS

42" RCP
DRAINAGE

APPROXIMATE LOCATION
PROP. 16" WM IN 30" HDPE CASING
LEE COUNTY

CONSTRUCT 240 LF± DIRECTIONAL BORE OF 16" CASING HDPE DR11 W/ 250 LF± OF 8" CARRIER HDPE DR11 AND (2) SOLID SLEEVE REPAIR COUPLING

F&I 8"-45^
VERT. BEND

F&I 8"-45^ VERT. BEND

F&I 8"-45^
VERT. BEND

F&I 8"-45^ HOR. BEND

F&I 8"-45^
HOR. BEND

APPROXIMATE LOCATION
PROP. 12" WM IN 20" HDPE CASING
CITY OF FT. MYERS

20 16 12 8 4

298+00 299+00 300+00 301+00 302+00

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1" = 4' VERT.

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PUNTA GORDA, FLORIDA 33950
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FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

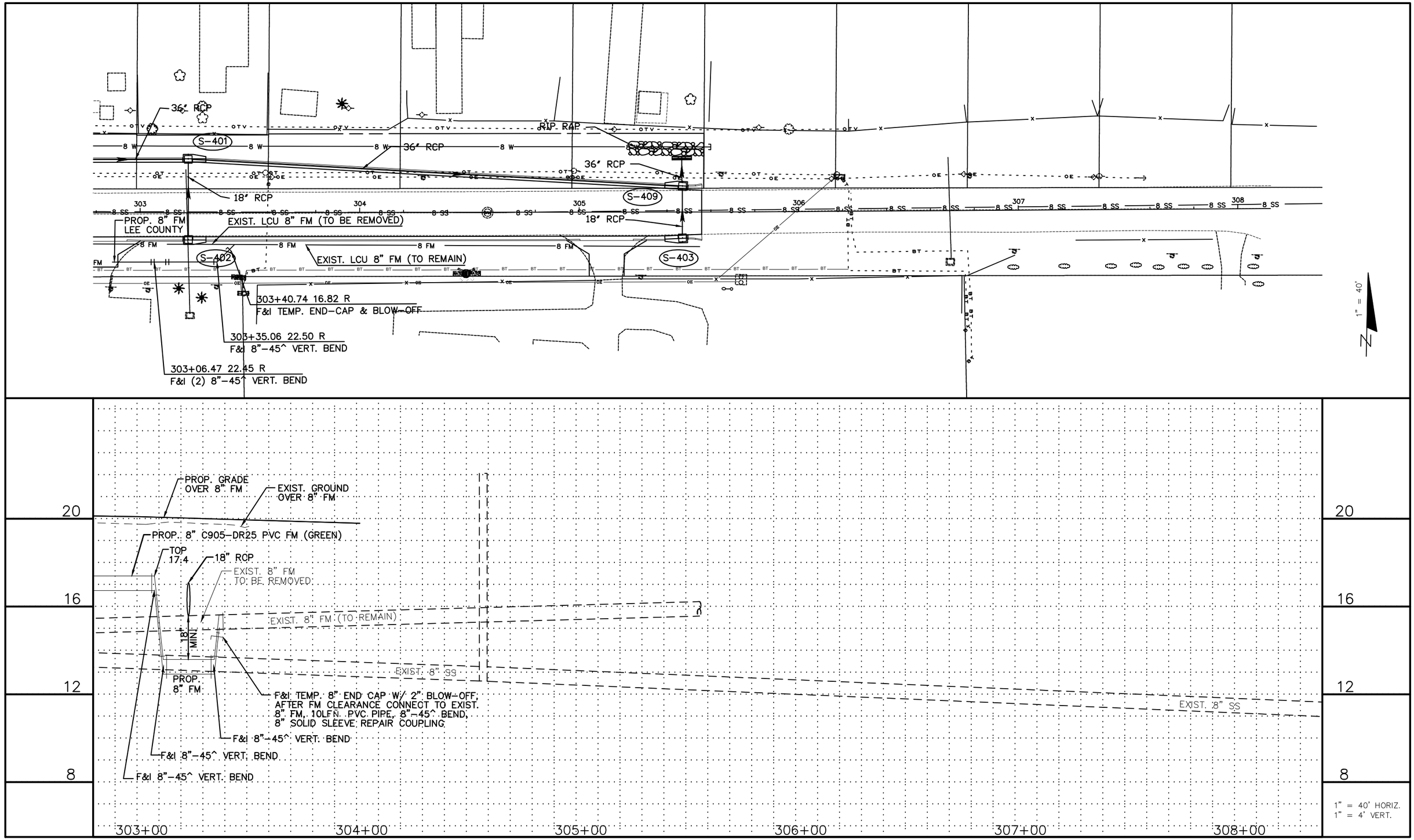
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY SEWER ADJUSTMENT SHEETS

BALLARD ROAD (2)

SHEET NO.
26



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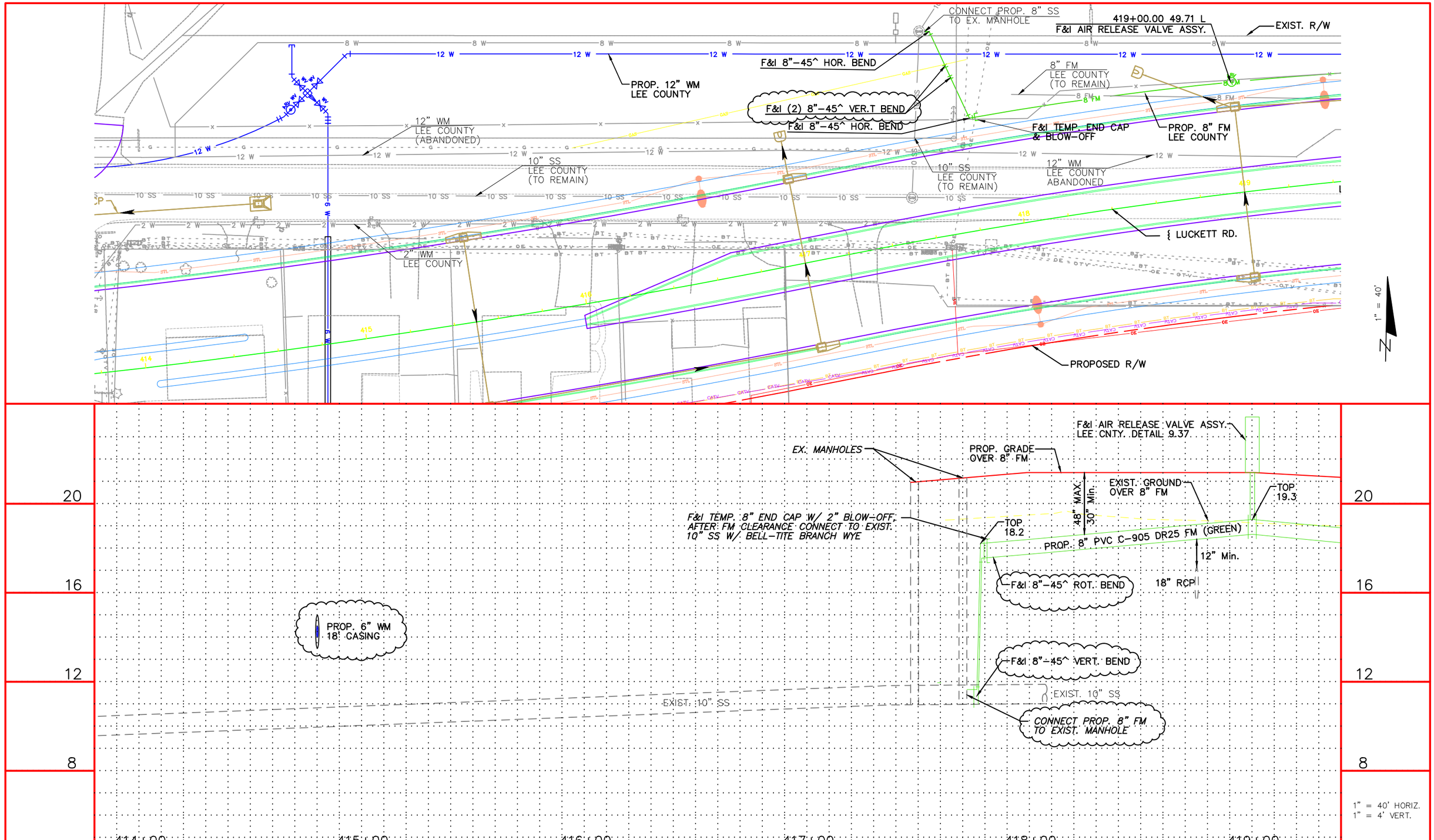
LEE COUNTY SEWER ADJUSTMENT SHEETS

BALLARD ROAD (3)

SHEET NO.
27



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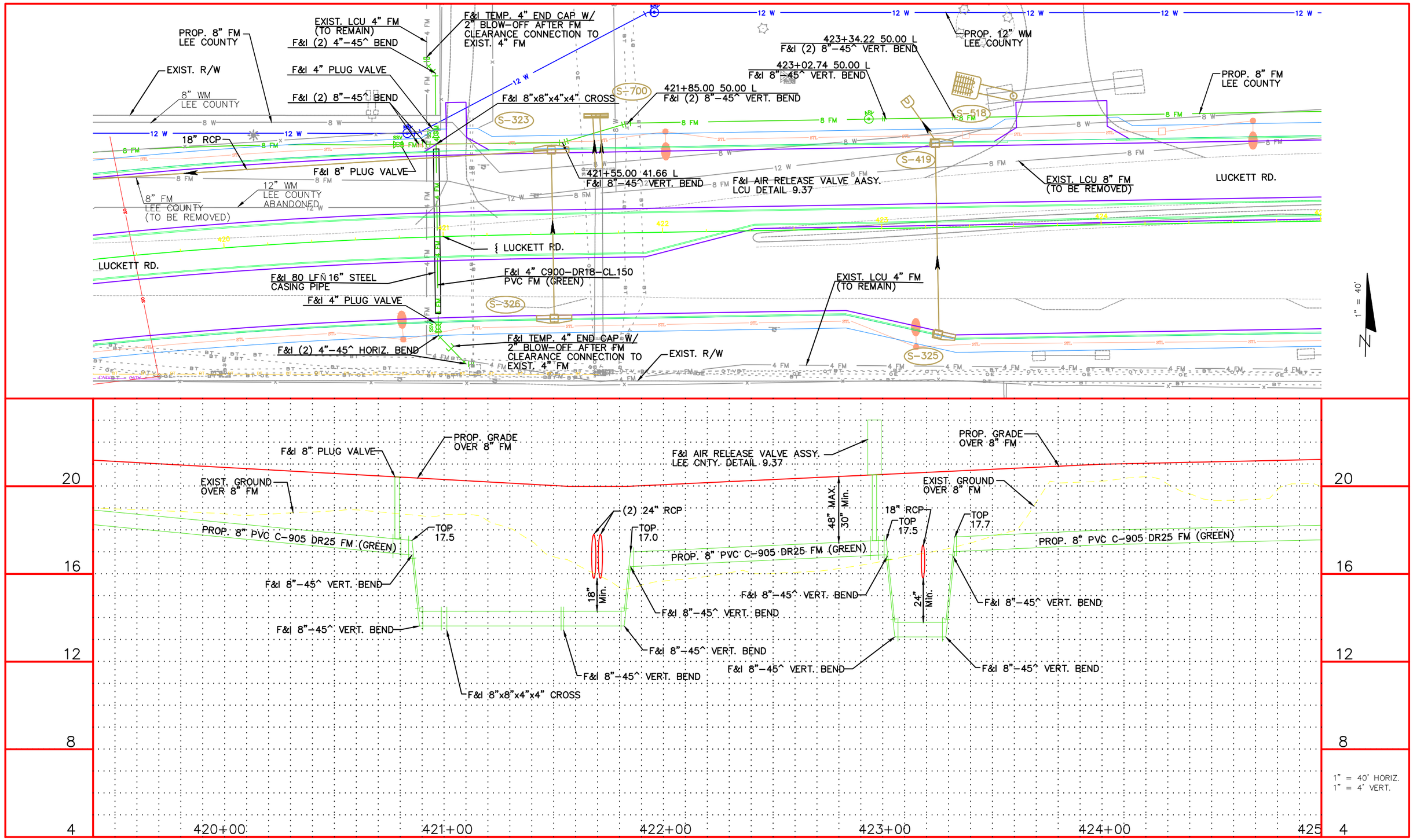
LEE COUNTY SEWER ADJUSTMENT SHEETS

LUCKETT ROAD (1)

SHEET NO. 28



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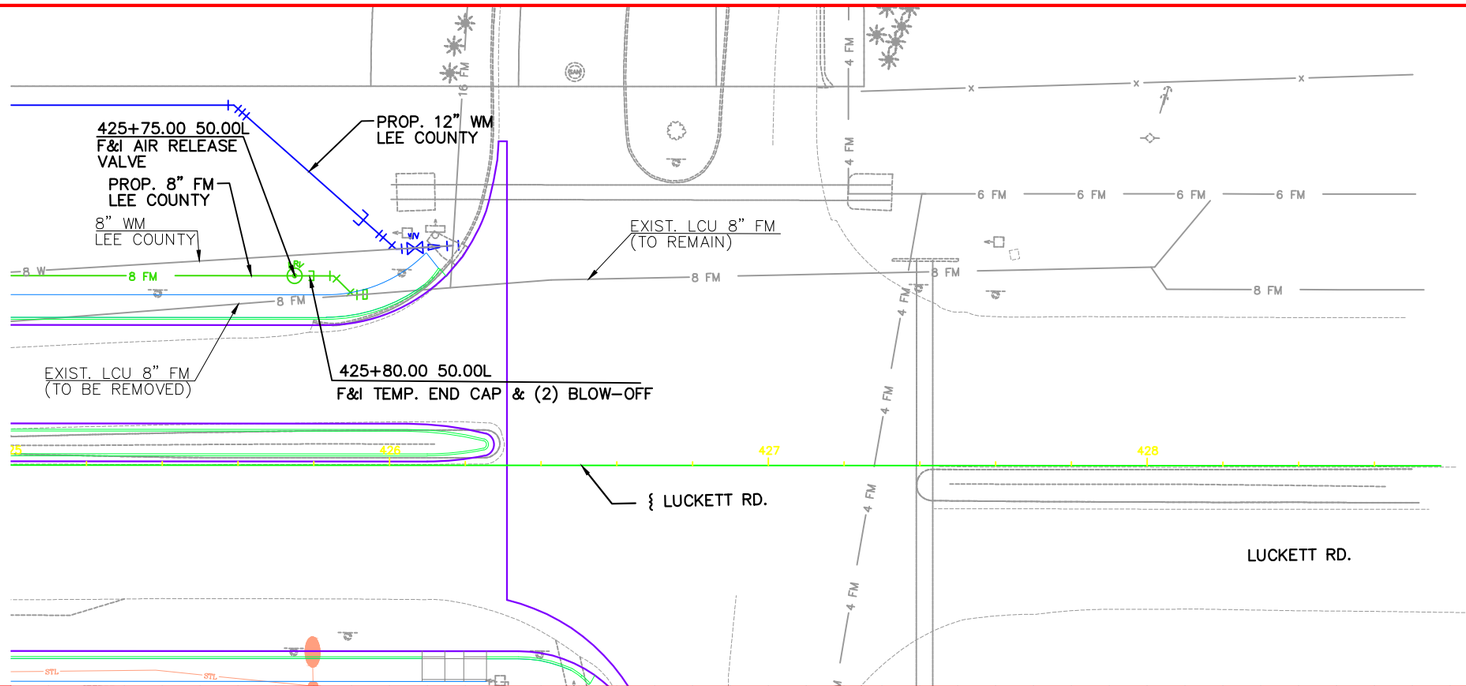
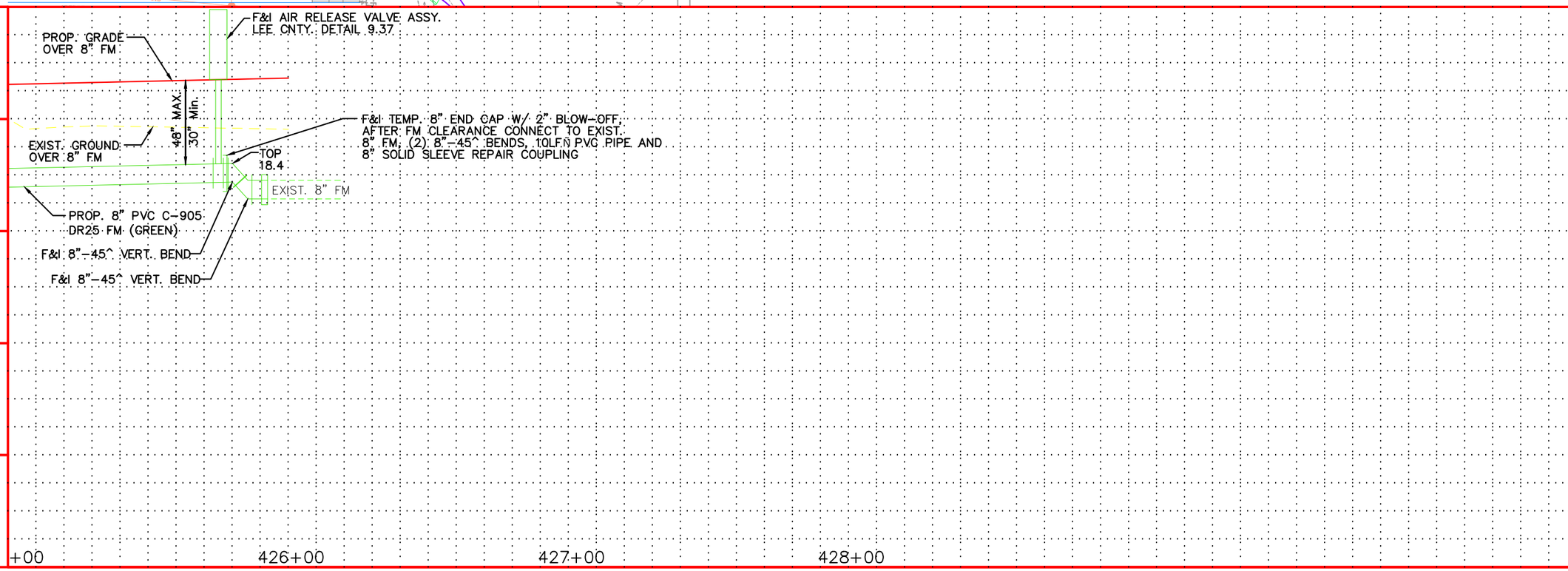
LEE COUNTY SEWER ADJUSTMENT SHEETS

LUCKETT ROAD (2)

SHEET NO.
29





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1" = 4' VERT.

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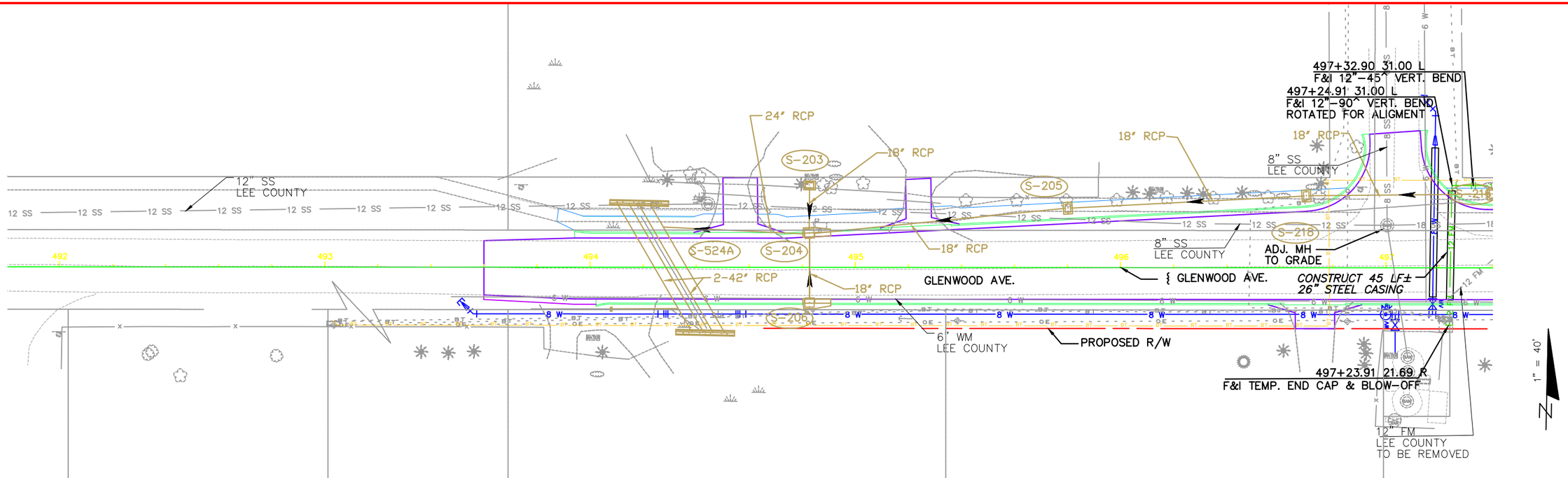
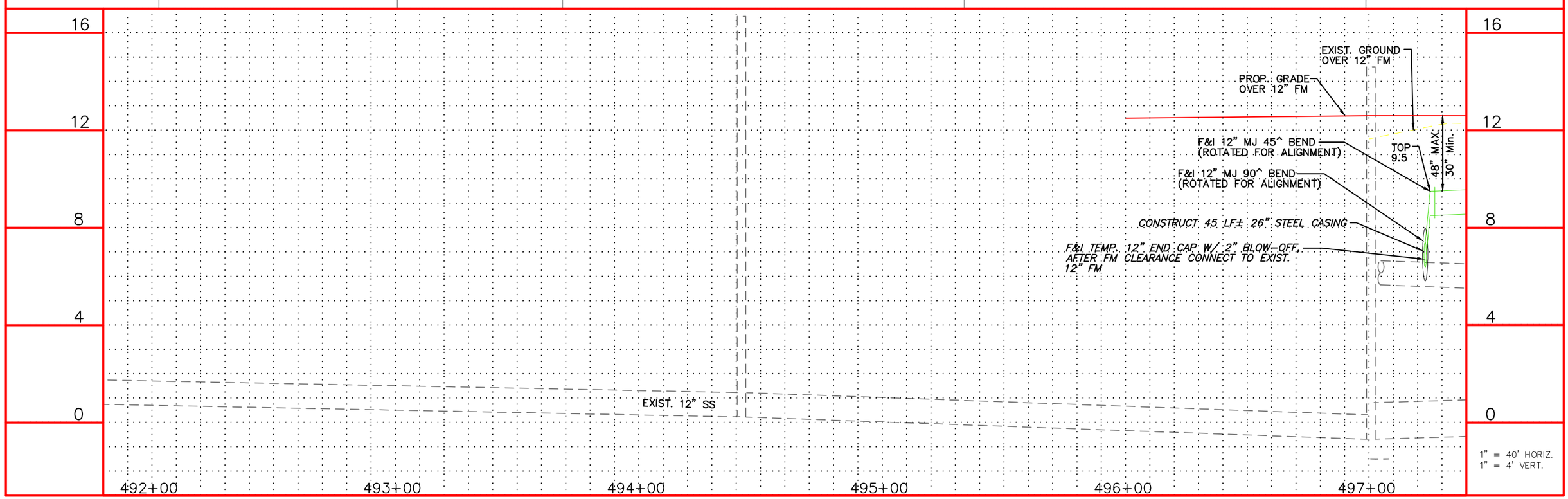
LEE COUNTY SEWER ADJUSTMENT SHEETS

LUCKETT ROAD (3)

SHEET NO.
30





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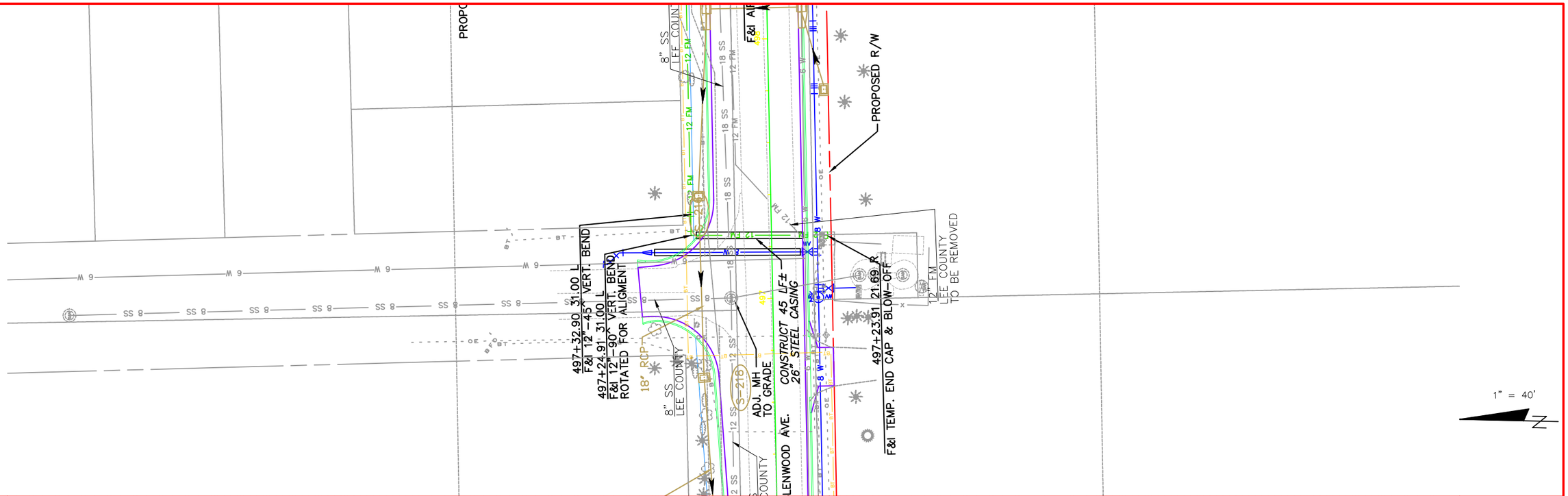
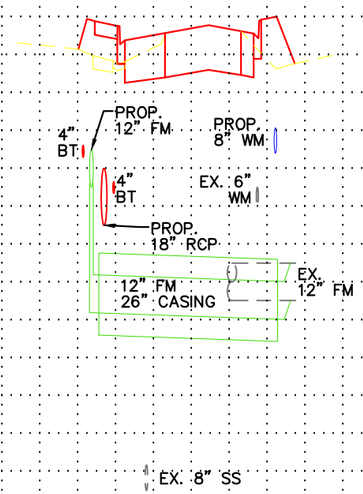
LEE COUNTY SEWER ADJUSTMENT SHEETS

GLENWOOD AVENUE (1)

SHEET NO.
31





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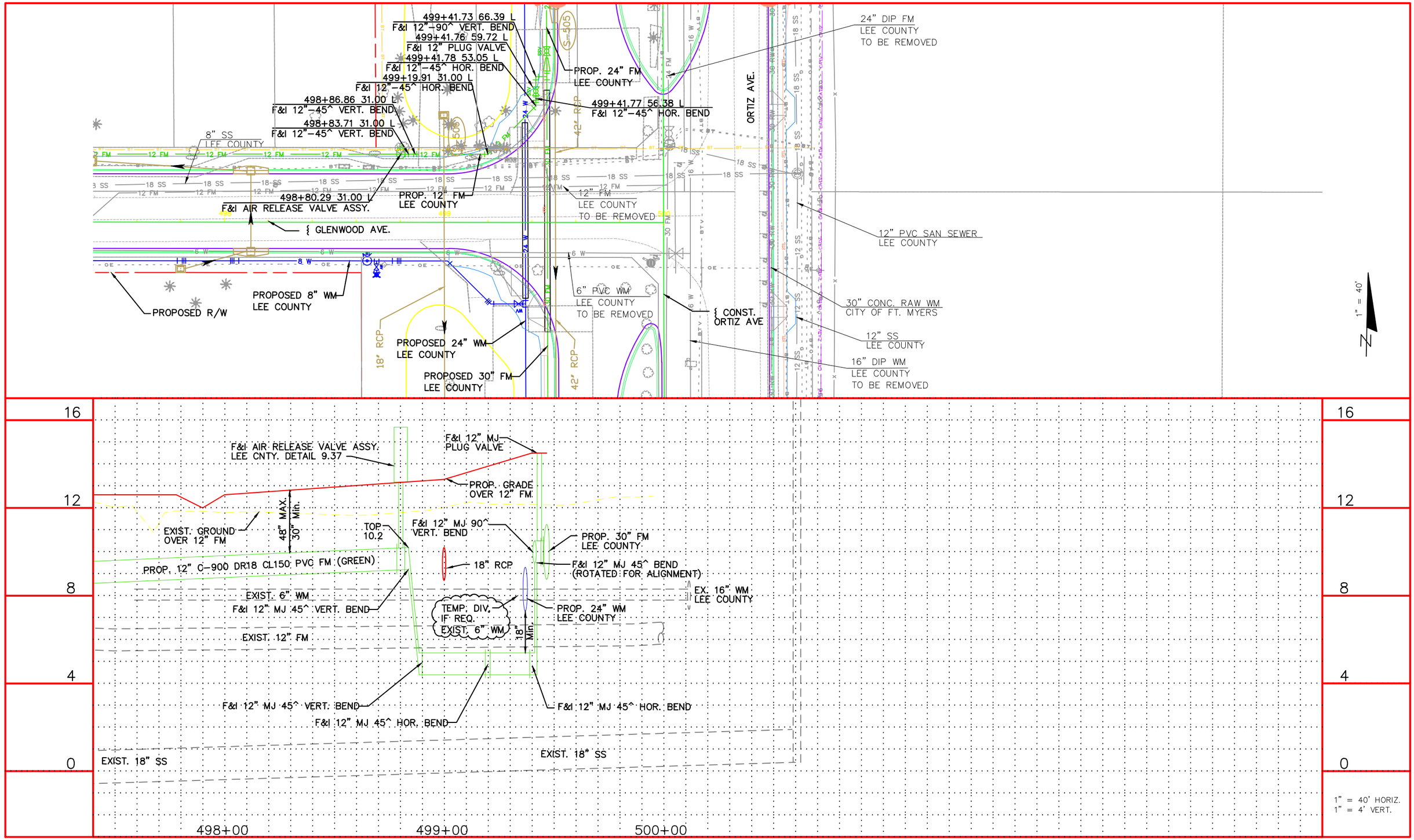
LEE COUNTY SEWER ADJUSTMENT SHEETS

GLENWOOD AVENUE (1)

SHEET NO.
31-A



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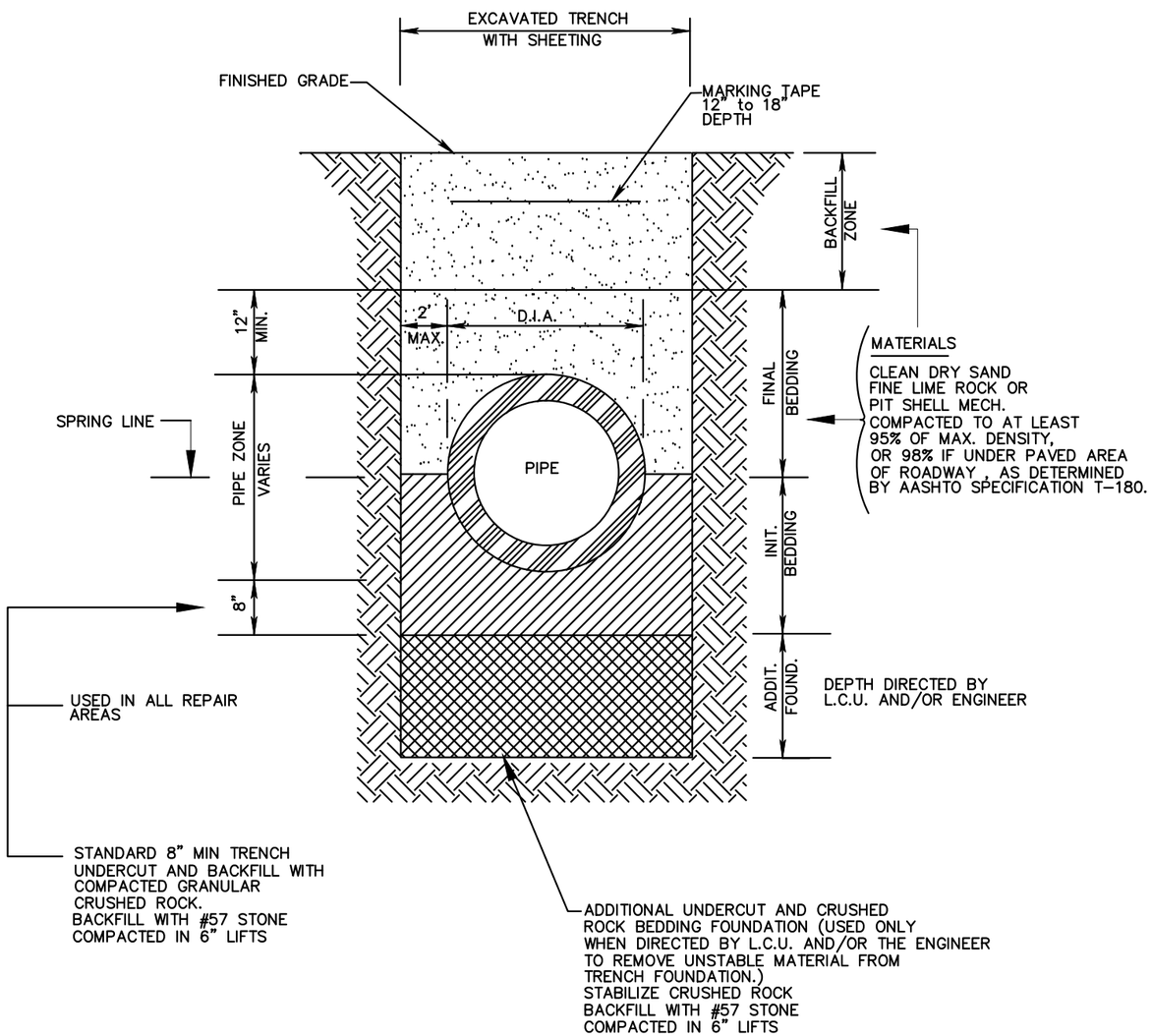
LEE COUNTY SEWER ADJUSTMENT SHEETS

GLENWOOD AVENUE (2)

SHEET NO. 32

L.C.U. STANDARD DETAIL 9.4
(TRENCH CROSS SECTION)

N.T.S.



L.C.U. STANDARD DETAIL 9.8
(RESTRAINED LENGTH SCHEDULE)

DUCTILE IRON PIPE

PIPE SIZE (Inches)	RESTRAINED PIPE LENGTH (FEET)					
	BENDS				DEAD END	TEE
	90 ^	45 ^	22 ½^	11 ¼^		
4	17	7	4	2	21	0
6	23	10	5	2	32	2
8	29	12	6	3	42	6
10	35	14	7	4	53	17
12	41	17	8	4	62	26
16	51	21	11	5	81	44
24	69	29	14	7	114	75
30	81	34	17	8	140	99

PVC PIPE

PIPE SIZE (Inches)	RESTRAINED PIPE LENGTH (FEET)					
	BENDS				DEAD END	TEE
	90 ^	45 ^	22 ½^	11 ¼^		
4	20	8	4	2	33	2
6	29	12	6	3	50	6
8	36	15	8	4	66	9
10	44	18	9	5	83	24
12	51	21	11	5	99	39
16	63	26	13	7	130	68
24	87	36	18	9	183	120
30	102	42	21	10	222	158

LENGTH FIGURES BASED ON FOLLOWING:

Pressure = 150 psi, FS = 1.5, trench type = 3, 30" cover on Bare pipe, Soil type = GP & SP

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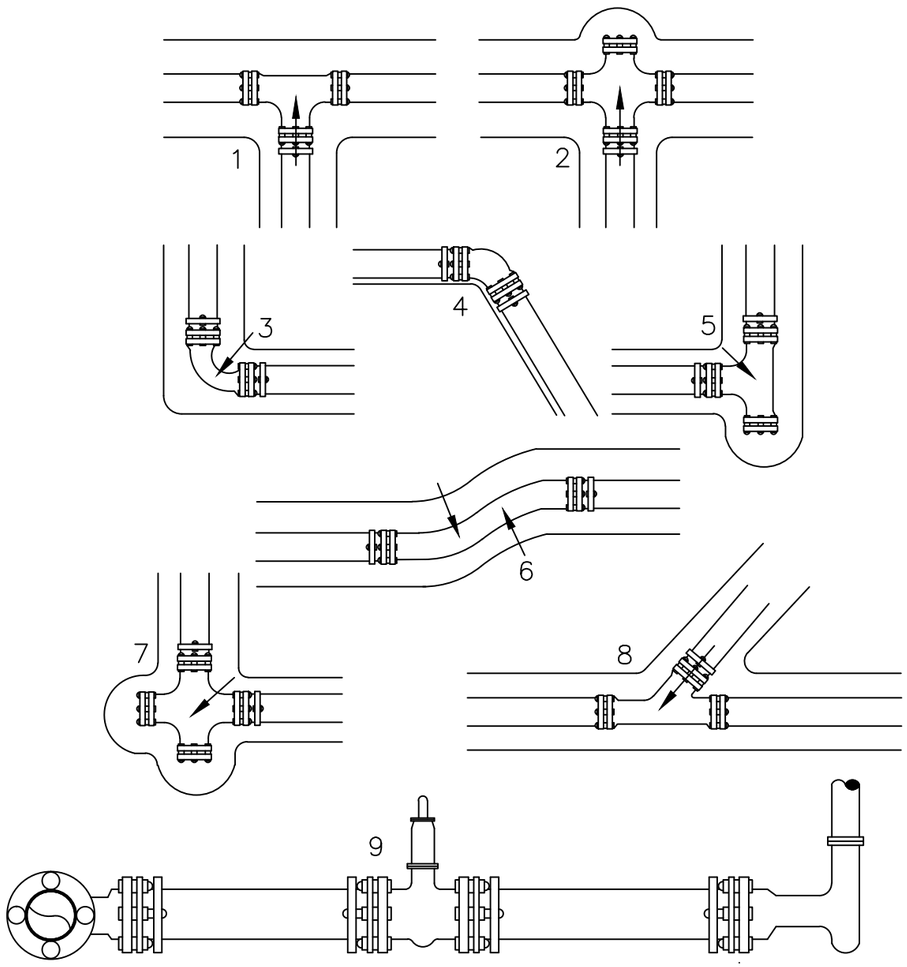
LEE COUNTY SEWER
DETAIL SHEET

L.C.U. STANDARD DETAIL 9.19
(THRUST RESTRAINING)

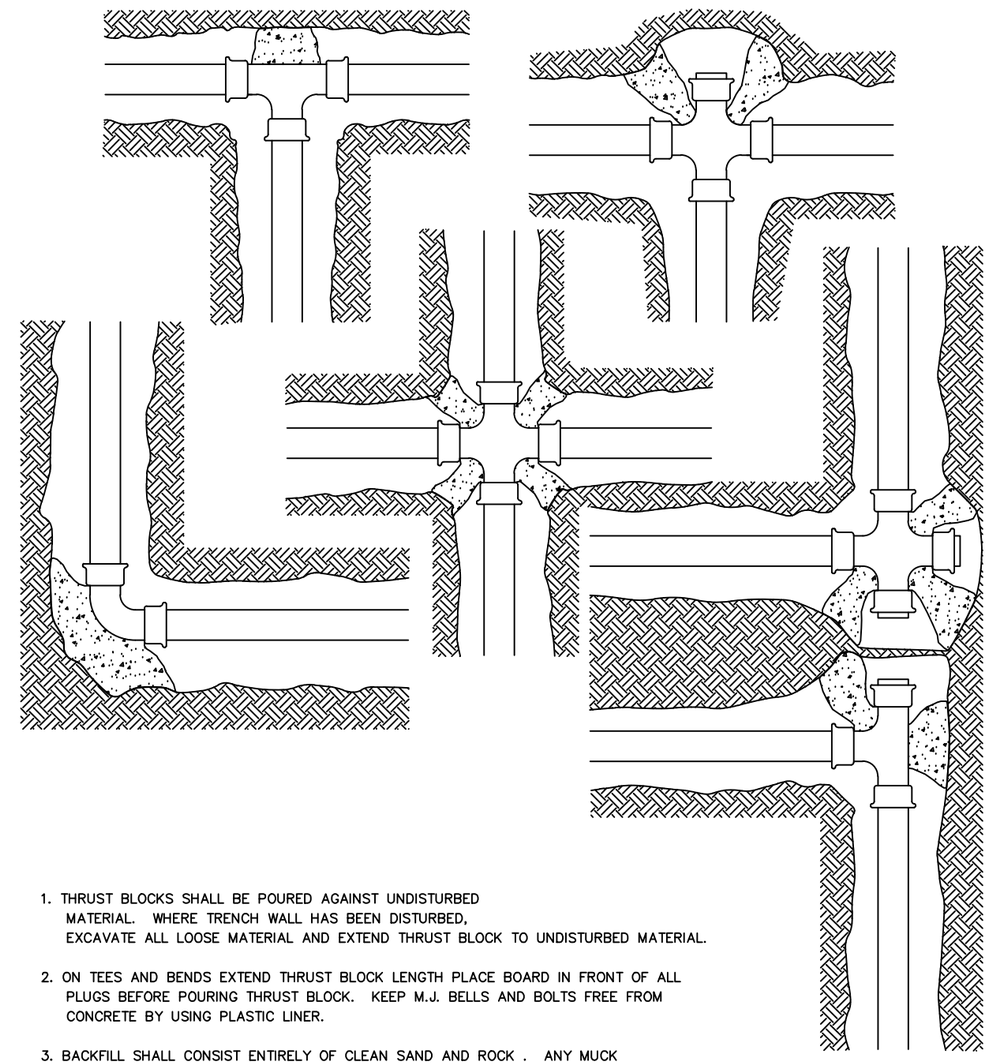
N.T.S.



1. THRU LINE CONNECTION,
2. THRU LINE CONNECTION, CROSS USED AS
3. DIRECTION CHANGE, ELBOW
4. DIRECTION CHANGE, VERTICEL, BEND
5. DIRECTION CHANGE, TEE USED
6. OFFSET CHANGE
7. DIRECTION CHANGE, CROSS USED AS ELBOW
8. TEE WYE LINE CONNECTION,
9. HYDRANT RUNOUT

L.C.U. STANDARD DETAIL 9.20
(THRUST BLOCKING DETAILS)

N.T.S.



1. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
2. ON TEES AND BENDS EXTEND THRUST BLOCK LENGTH PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK. KEEP M.J. BELLS AND BOLTS FREE FROM CONCRETE BY USING PLASTIC LINER.
3. BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK . ANY MUCK ENCOUNTERED SHALL BE REMOVEED AND REPLACED WITH ACCEPTABLE MATERIAL.
4. CONCRETE FOR THRUST BLOCKS SHALL HAVE A MINIMUM STRENGTH OF 2500 P.S.I AFTER 28 DAYS.

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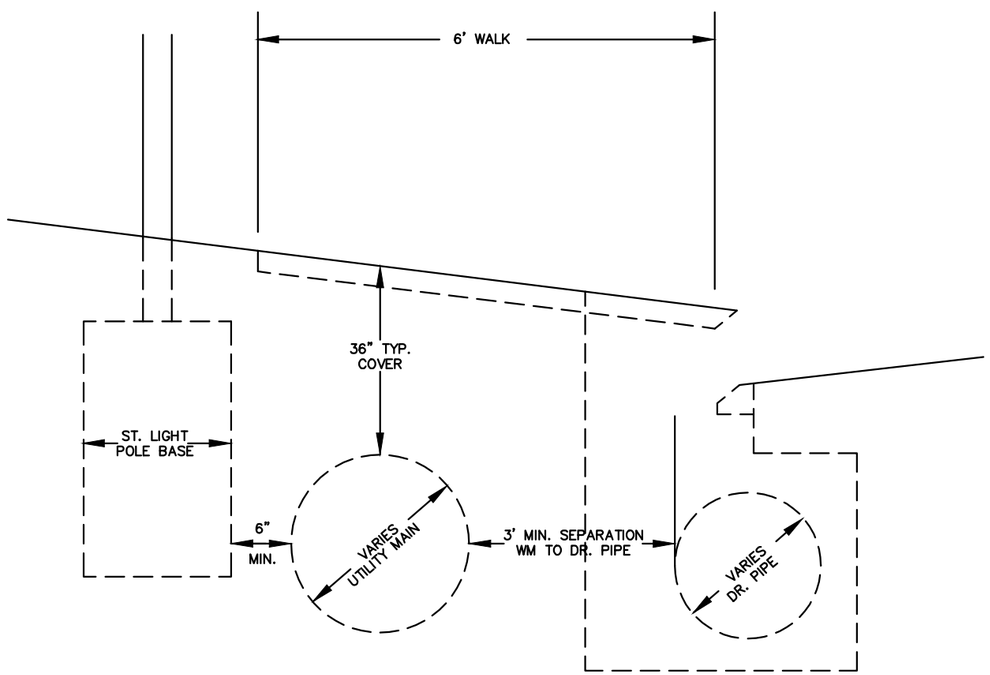
LEE COUNTY SEWER
DETAIL .SHEET

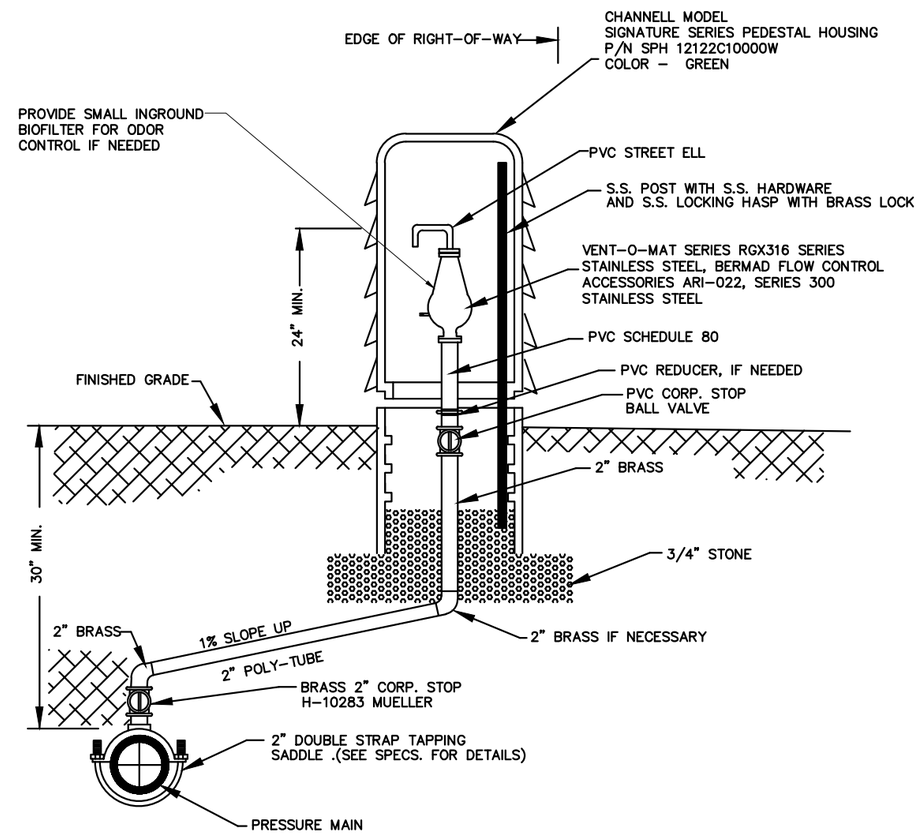
UTILITY MAIN UNDER WALK DETAIL

N.T.S.



L.C.U. STANDARD DETAIL 9.37
(AUTOMATIC AIR RELEASE VALVE)

N.T.S.



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LEE COUNTY SEWER
DETAIL SHEET

Lee County

SUE Point UB	Station	Offset	Description	Top of Pipe Elevation	Ground Elevation	Pipe Cover
1	499+88.66 B/L GLENWOOD	16.96 LT	12" DIP FM	6.72	12.61	5.89
2	497+51.79 B/L GLENWOOD	13.30 LT	12" DIP FM	6.49	11.86	5.37
3	497+23.06 B/L GLENWOOD	12.01 RT	12" DIP FM	6.64	12.08	5.44
4	499+85.66 B/L GLENWOOD	14.19 RT	6" AC WM	9.19	12.62	3.43
5	494+77.15 B/L GLENWOOD	11.76 RT	6" AC WM	7.47	11.16	3.69
6	601+99.75 B/L TICE	20.24 RT	6" AC WM	7.48	14.81	7.33
7	609+57.32 B/L TICE	20.81 RT	12" AC WM	10.30	11.83	1.53
8	600+23.80 B/L TICE	18.20 RT	6" AL WM	9.25	13.72	4.47
9	593+99.50 B/L TICE	13.82 RT	6" AC WM	11.79	14.91	3.12
10 (1)	304+67.76 B/L BALLARD	13.78 RT	NOTHING FOUND		19.56	N/A
10 (2)	304+51.88 B/L BALLARD	12.82 RT	NOTHING FOUND		19.57	N/A
10 (3)	304+45.27 B/L BALLARD	13.07 RT	NOTHING FOUND		19.57	N/A
11	303+54.00 B/L BALLARD	11.54 RT	14" DIP	17.91	19.68	1.77
12	299+06.55 B/L BALLARD	39.33 LT	8" PVC WM	17.56	20.71	3.15
13	296+63.76 B/L BALLARD	34.52 LT	8" PVC WM	16.75	19.66	2.91
14	293+49.52 B/L BALLARD	14.60 LT	6" PVC WM	15.65	19.08	3.43
UBB 14	300+65.33 B/L BALLARD	22.16 LT	8" PVC SS	17.03	20.54	3.51
15	305+55.52 B/L BALLARD	16.11 RT	8" DIP FM	16.24	19.41	3.17
16	300+67.61 B/L BALLARD	13.49 RT	8" DIP FM	14.89	20.59	5.70
17	1064+50.91 C/L CONST.	43.83 LT	30" CONC FM	14.66	20.60	5.94
18	298+99.89 B/L BALLARD	25.63 LT	24" PVC FM	15.04	21.34	6.30
19	299+50.22 B/L BALLARD	27.76 RT	8" DIP FM	14.17	21.91	7.74
20	298+37.88 B/L BALLARD	28.14 RT	8" DIP FM	16.45	20.89	4.44
21	1064+55.38 C/L CONST.	62.18 LT	16" DIP WM	17.31	20.57	3.26
22	394+24.98 B/L LUCKETT	14.83 LT	2" PVC WATER	16.89	19.32	2.43
23	399+70.74 B/L LUCKETT	63.42 LT	2" PVC WATER	17.52	20.19	2.67
24	1076+87.03 C/L CONST.	57.76 RT	12" PVC/DIP W	15.15	19.98	4.83
25	400+97.12 B/L LUCKETT	83.28 LT	12" PVC WM	15.60	19.93	4.33
26	401+07.02 B/L LUCKETT	51.70 LT	6" ASB. CONC WM	17.31	19.19	1.88
27 (1)	402+95.97 B/L LUCKETT	74.64 LT	6" AC WM	15.68	19.90	4.22
27 (2)	402+98.18 B/L LUCKETT	70.99 LT	2" COMMUNICATION	17.02	19.20	2.18
27 (3)	402+98.21 B/L LUCKETT	69.19 LT	2" COMMUNICATION	DEPTH NOT GIVEN	19.00	N/A
28	401+72.43 B/L LUCKETT	99.38 LT	8" DIP WATER	16.90	19.65	2.75
29	414+09.30 B/L LUCKETT	94.11 LT	12" DIP WM	17.96	20.34	2.38
30	417+01.71 B/L LUCKETT	51.39 LT	12" PVC WM	16.19	19.80	3.61
31	420+84.19 B/L LUCKETT	25.94 LT	8" PVC FM	13.34	18.16	4.82
32	423+42.16 B/L LUCKETT	44.13 LT	8" PVC WM	15.13	18.67	3.54
33	426+09.21 B/L LUCKETT	57.49 LT	8" PVC WM	15.49	20.60	5.11
34	414+02.96 B/L LUCKETT	64.26 LT	2" PVC WM	17.36	20.13	2.77
35	413+74.77 B/L LUCKETT	35.89 LT	6" DIP WM	17.09	20.25	3.16
36	413+66.24 B/L LUCKETT	59.69 RT	6" DIP WM	17.24	19.63	2.39
37	417+47.83 B/L LUCKETT	9.14 LT	2" PVC WATER	17.09	20.11	3.02
38	418+03.45 B/L LUCKETT	57.86 LT	8" PVC FM	17.21	19.48	2.27
39	421+79.09 B/L LUCKETT	63.91 LT	8" PVC FM	14.74	18.50	3.76
40	426+18.41 B/L LUCKETT	85.56 LT	16" CAST IRON SLEEVE FM	17.09	19.70	2.61
41	1010+57.11 C/L CONST.	66.77 RT	16" DIP WM	17.28	22.19	4.91
42	1013+35.86 C/L CONST	62.94 RT	16" DIP WM	18.63	21.85	3.22
43	INTENTIONALLY LEFT BLANK			0.00		
44	201+40.98 B/L HIGH COTTON	35.41 RT	8" PVC WM	17.62	20.77	3.15
45	200+89.73 B/L HIGH COTTON	19.78 LT	8" PVC WM	16.25	20.78	4.53
46	200+13.34 B/L N. GALAXY	15.48 RT	NOTHING FOUND		19.43	N/A
47	201+05.88 B/L N GALAXY	16.91 RT	2" PVC WATER	20.15	21.23	1.08
48	200+25.72 B/L MARS	15.86 LT	2" PVC WATER	17.22	20.07	2.85
49	201+07.25 B/L MARS	14.44 LT	2" PVC WATER	17.11	20.15	3.04
50	200+66.02 B/L JUPITER	20.07 LT	2" STEEL WATER	16.10	19.51	3.41
51	201+66.63 B/L JUPITER	14.66 LT	2" PVC WATER	17.07	18.96	1.89
52	199+81.40 B/L HUNT.GRN.	10.79 LT	16" CAST IRON WM	15.82	18.57	2.75
53	198+75.35 B/L HUNT.GRN	13.32 LT	16" CAST IRON WM	15.42	17.99	2.57
54	199+73.09 B/L NOTTINGHAM	13.06 LT	6" DIP WM	15.11	18.33	3.22
55	198+98.40 B/L NOTTINGHAM	13.15 LT	6" DIP WM	15.06	17.80	2.74
56	200+56.53 B/L S.BILLYS CRK	25.77 RT	6" ASB. CONC WM	12.92	15.25	2.33
57	201+02.68 B/L S.BILLYS CRK	19.79 RT	6" ASB. CONC WM	13.14	15.33	2.19
58	200+60.18 B/L GARY DR	21.49 RT	2" PVC WATER	11.78	15.49	3.71
59	201+12.42 B/L GARY DR	15.51 RT	2" PVC WATER	12.66	15.42	2.76
60	200+54.51 B/L N BILLYS CRK	18.46 LT	6" PVC WM	11.51	14.82	3.31
61	201+10.64 B/L N BILLYS CRK	17.29 LT	6" AC WM	11.58	14.08	2.50
62	1107+14.80 C/L CONST.	15.25 RT	16" STEEL WM	10.39	13.89	3.50
63	199+07.65 B/L ZANA DR	23.00 LT	6" CAST IRON WM	9.80	12.63	2.83
64	1111+05.23 C/L CONST.	14.67 RT	16" DIP WM/6" AC WM	9.28	12.40	3.12
65	201+55.67 B/L DEAN ST	13.67 RT	6" AC WM	9.37	11.63	2.26
66	1124+27.52 C/L CONST.	10.78 RT	16" DI WM/6" AC WM	10.23	12.94	2.71
67	201+09.45 B/L STEWARD DR	14.37 RT	10" ASB CONC WM	10.33	13.25	2.92
68	1134+97.74 C/L CONST.	11.73 RT	16" DIP WM	10.59	13.83	3.24
69	200+92.90 B/L ELVAS AVE	10.87 RT	16" DIP WM	8.25	15.28	7.03
70	200+87.96 B/L GARCIA AVE	13.06 LT	6" DIP WM	12.14	15.89	3.75
71	201+60.24 B/L GARCIA AVE	11.75 LT	6" DIP WM	12.64	15.77	3.13
72	1143+69.61 C/L CONST.	10.09 RT	24" DIP FM	12.19	16.05	3.86
73	1145+49.97 C/L CONST.	15.36 RT	2" PVC WATER	14.05	16.25	2.20
74	1146+05.25 C/L CONST.	64.51 LT	12" DIP FM	12.23	16.68	4.45
75	1146+17.27 C/L CONST.	364.92 LT	12" DIP	12.21	16.33	4.12
76	1145+60.39 C/L CONST.	6.30 RT	24" DIP FM	9.69	16.41	6.72
77	1146+04.81 C/L CONST.	27.60 LT	12" DIP FM	11.10	16.79	5.69

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY UTILITIES SUE LOCATES

COMPONENTS OF CONTRACT PLANS SET

WATER PLANS

LEE COUNTY BOARD OF COUNTY COMMISSIONERS

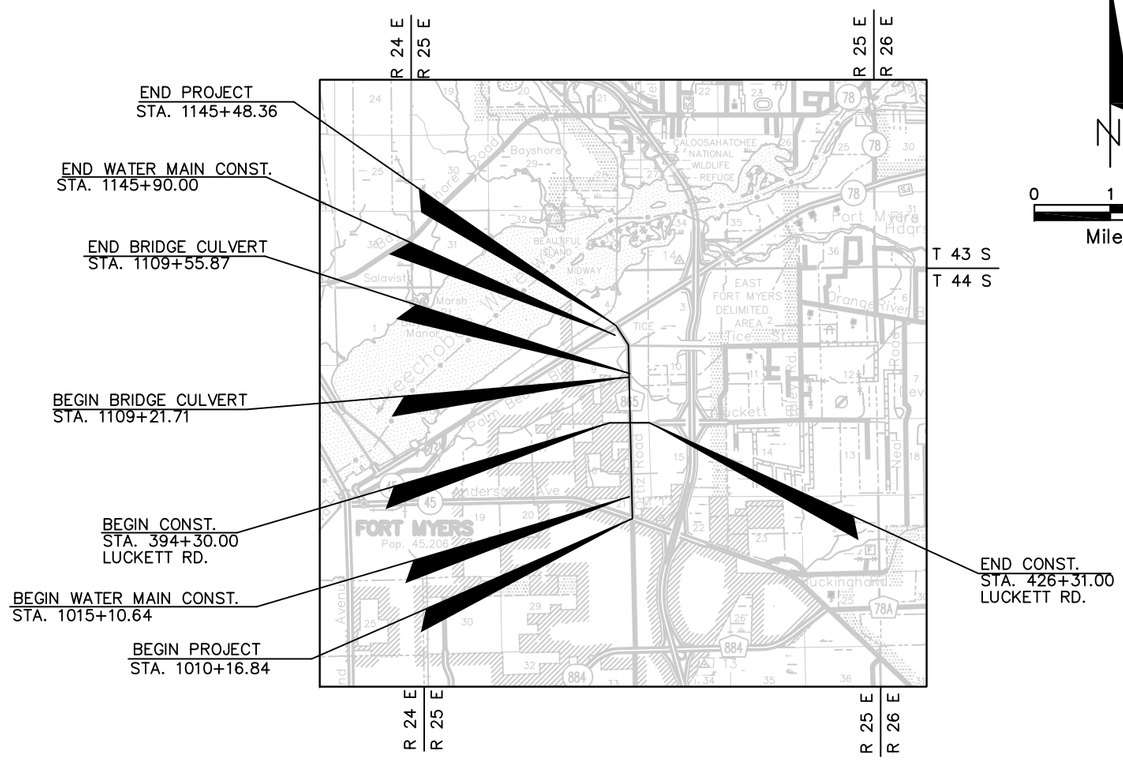
PUBLIC WORKS ADMINISTRATION
DEPARTMENT OF TRANSPORTATION
WATER MAIN ADJUSTMENT PLANS

PLANS OF PROPOSED

ORTIZ AVENUE (CR 865)

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	WATER QUANTITIES
3 THRU 6	PARCEL INFORMATION
7	GENERAL NOTES
8 THRU 49	WATER MAIN ADJUSTMENT SHEETS
50 THRU 56	WATER DETAILS
57	SUE LOCATES



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SANITARY SEWER SHOP DRAWINGS TO BE SUBMITTED TO:

AIM Engineering & Surveying, Inc.
100 MADRIDBOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
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PLANS PREPARED BY:

AIM Engineering & Surveying, Inc.
100 MADRIDBOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
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CERTIFICATE OF AUTHORIZATION NO. 3114

THIS IS TO CERTIFY THAT THESE PLANS AND THE ASSOCIATED CONSTRUCTION PROJECT ARE IN SUBSTANTIAL COMPLIANCE WITH THE LEE COUNTY LAND DEVELOPMENT CODE WITH THE EXCEPTION OF THE FOLLOWING DEVIATIONS WHICH HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.

LIST OF DEVIATIONS:
1. NONE.

DEVELOPMENT ORDER APPROVED:
LEE COUNTY PUBLIC WORKS ADMINISTRATION

_____
JIM LAVENDER DATE
DIRECTOR OF PUBLIC WORKS

WATER PLANS
ENGINEER OF RECORD:

RONALD KERFOOT, P.E. DATE
P.E. NO.: 20768

APPROVED BY:
LEE COUNTY PUBLIC WORKS
DIRECTOR

DIRECTOR OF PUBLIC WORKS. DATE

SHEET REVISIONS

DATE	BY	DESCRIPTION

SHEET NO.

1

#	ITEM DESCRIPTION	QUANTITY	UNIT
1	24" DIP WM	5529	LF
2	16" DIP WM	5372	LF
3	12" DIP WM	138	LF
4	10" DIP WM	140	LF
5	8" DIP WM	238	LF
6	6" DIP WM	80	LF
7	12" PVC WM	2243	LF
8	10" PVC WM	1087	LF
9	8" PVC WM	1970	LF
10	6" PVC WM	593	LF
11	4" PVC WM	511	LF
12	36" HDPE CASING	380	LF
13	30" HDPE CASING	795	LF
14	24" HDPE WM	535	LF
15	20" HDPE CASING	130	LF
16	18" HDPE CASING	200	LF
17	16" HDPE CASING	595	LF
18	16" HDPE WM	835	LF
19	12" HDPE WM	450	LF
20	10" HDPE CASING	147	LF
21	10" HDPE WM	210	LF
22	8" HDPE WM	625	LF
23	4" HDPE WM	157	LF
24	42" STEEL CASING	470	LF
25	36" STEEL CASING	40	LF
26	30" STEEL CASING	335	LF
27	24" STEEL CASING	40	LF
28	20" STEEL CASING	50	LF
29	18" STEEL CASING	30	LF
30	12" STEEL CASING	95	LF
31	AAR VALVE ON 24" WM	4	EA
32	AAR VALVE ON 16" WM	12	EA
33	AAR VALVE ON 12" WM	4	EA
34	AAR VALVE ON 8" WM	8	EA
35	AAR VALVE ON 6" WM	1	EA
36	AAR VALVE ON 4" WM	1	EA
37	24" WM VALVE	5	EA
38	16" WM VALVE	6	EA
39	12" WM VALVE	7	EA
40	10" WM VALVE	2	EA
41	8" WM VALVE	19	EA
42	6" WM VALVE	20	EA

#	ITEM DESCRIPTION	QUANTITY	UNIT
43	4" WM VALVE	2	EA
44	24"X24"X16" TEE	2	EA
45	24"X24"X12" TEE	1	EA
46	24"X24"X8" TEE	8	EA
47	24" TEE	2	EA
48	24" 90º BEND	4	EA
49	24" 45º BEND	6	EA
50	24" 22½º BEND	8	EA
51	24"X16" REDUCER	1	EA
52	24"X12" REDUCER	2	EA
53	24" SOLID SLEEVE REPAIR COUPLING	2	EA
54	16"X 16"X12" TEE	2	EA
55	16"X 16"X8" TEE	6	EA
56	16"X 16"X6" TEE	4	EA
57	16"X12" REDUCER	1	EA
58	16" 90º BEND	3	EA
59	16" 45º BEND	39	EA
60	16" 22½º BEND	8	EA
61	16" SOLID SLEEVE REPAIR COUPLING	11	EA
62	12" TEE	1	EA
63	12"X12"X6" TEE	4	EA
64	12"X12"X4" TEE	1	EA
65	12"X10" REDUCER	1	EA
66	12"X8" CROSS	1	EA
67	12"X8" REDUCER	1	EA
68	12"X6" REDUCER	2	EA
69	12" 90º BEND	3	EA
70	12" 45º BEND	11	EA
71	12" 22½º BEND	8	EA
72	12" SOLID SLEEVE REPAIR COUPLING	8	EA
73	10" TEE	1	EA
74	10"X10"X6" TEE	2	EA
75	10" 90º BEND	2	EA
76	10" 45º BEND	8	EA
77	10" 22½º BEND	3	EA
78	10" SOLID SLEEVE REPAIR COUPLING	2	EA
79	8" TEE	3	EA
80	8"X8"X6" TEE	6	EA
81	8"X6" REDUCER	10	EA
82	8" 90º BEND	7	EA
83	8" 45º BEND	48	EA
84	8" 22½º BEND	8	EA

#	ITEM DESCRIPTION	QUANTITY	UNIT
85	8" SOLID SLEEVE REPAIR COUPLING	9	EA
86	6" TEE	2	EA
87	6" 90º BEND	4	EA
88	6" 45º BEND	27	EA
89	6" SOLID SLEEVE REPAIR COUPLING	15	EA
90	4" 90º BEND	1	EA
91	45º BEND	2	EA
92	4" 45º BEND	3	EA
93	4" 22½º BEND	1	EA
94	4" SOLID SLEEVE REPAIR COUPLING	3	EA
95	FIRE HYD ASSY	16	EA
96	RECONNECT EX. FH	1	LS
97	RECONNECT EX. FH TO 6" WM	1	LS
98	4" TEMP END CAP	2	EA
99	4" PERM END CAP	1	EA
100	6" TEMP END CAP	12	EA
101	6" PERM END CAP	1	EA
102	8" TEMP END CAP	6	EA
103	8" PERM END CAP	5	EA
104	10" TEMP END CAP	4	EA
105	12" TEMP END CAP	5	EA
106	16" TEMP END CAP	3	EA
107	FLUSH VALVE ASSY	38	EA
108	16" WM CONN TO EX.	3	LS
109	12" WM CONN TO EX.	4	LS
110	10" WM CONN TO EX.	2	LS
111	8" WM CONN TO EX.	4	LS
112	6" WM CONN TO EX.	11	LS
113	6" WM CONN TO EX. 12"	1	LS
114	2" WM CONN TO EX.	6	LS
115	RELOC INTERCONNECT METER STA - SH COST		
	LEE CO & CITY FM	1	LS
116	TEMP 50LF 2" PVC BYPASS & CONN	1	LS
117	MOBILIZATION	1	LS
118	SURVEY LAY-OUT	1	LS
119	TESTING - PRESSURE & BAC.T CL.	1	LS
120	TESTING - MATERIALS & DENSITY	1	LS
121	RESTORATION	1	LS
122	REMOVE & DISPOSE OF ABANDONED UTILITIES	1	LS
123	REC DRAWINGS (ACAD) TO LCU REQ.	1	LS
124	ADJUST WM SERVICE - RES.	60	EA
125	ADJUST WM SERVICE - COMM.	10	EA

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CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER QUANTITIES

SHEET NO. 2

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
1050	1050 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	A	A
1211	1211 ORTIZ AVE	ORTIZ AVE	MOBILE HOME SUBDIVISION	A	A
1214	1214 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	X
1350	1350 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	A
1421-71	1421-71 ORTIZ AVE	ORTIZ AVE	SUPERMARKET	A -2 accounts	A -2 accounts
182	182 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
184	184 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
187	187 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
1871	1871 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR	A	X
190/92	190/92 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A -2 accounts	A -2 accounts
193	193 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
1945	1945 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	A	X
194-98	194-98 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A	A
1975	1975 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT	A	X
2020	2020 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	A	X
2021	2021 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR	A	X
2041	2041 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	X
220	220 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
221	221 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
224	224 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
225	225 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
317	317 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
328	328 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA	NA
331	331 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
333-337	333-337 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A -2 accounts	A -2 accounts
341/43	341/43 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A -2 accounts	A -2 accounts
344	344 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
359	359 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
376	376 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
382	382 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	A	A
385	385 ORTIZ AVE	ORTIZ AVE	STORE, OFFICE, RESIDENTIAL COMBINATIONS	A	A
394	394 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A	A
400	400 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	A -2 accounts	A -2 accounts
436/438	436/438 ORTIZ AVE	ORTIZ AVE	MULTI-FAMILY, LESS THAN 10 UNITS	A -2 accounts	A -2 accounts
551	551 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	A	A
560	560 ORTIZ AVE	ORTIZ AVE	SHOPPING CENTER, NEIGHBORHOOD	A	A
574	574 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
582	582 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	NA
592	592 ORTIZ AVE	ORTIZ AVE	STORE, OFFICE, RESIDENTIAL COMBINATIONS	A	A
620	620 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
688	688 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
710	710 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	NA	X
721	721 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	A	X
741	741 ORTIZ AVE	ORTIZ AVE	MOBILE HOME, ACREAGE	A	X
811	811 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	A
851	851 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	NA
8531	8531 ORTIZ CIR	ORTIZ CIR	SINGLE FAMILY RESIDENTIAL	A	A
964	964 ORTIZ AVE	ORTIZ AVE	SINGLE FAMILY RESIDENTIAL	A	X
4549	4549 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4908	4908 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A
4914	4914 LUCKETT RD	LUCKETT RD	VACANT RESIDENTIAL	NA	NA
4915	4915 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4918	4918 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A

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LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 3

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4921	4921 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4927	4927 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4928	4928 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	A	A
4932	4932 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4933	4933 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4938	4938 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4939	4939 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4942	4942 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4945	4945 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4948	4948 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4951	4951 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4952	4952 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4956	4956 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4957	4957 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4960	4960 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4963	4963 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4968	4968 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4969	4969 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4970	4970 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4975	4975 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4976	4976 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4981	4981 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4982	4982 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	NA	NA
4986	4986 LUCKET RD	LUCKET RD	MOBILE HOME SUBDIVISION	x	x
4987	4987 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4991	4991 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
4997	4997 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
5008	5008 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5010	5010 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
5012	5012 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5014	5014 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	A	A
5068	5068 LUCKETT RD	LUCKETT RD	SINGLE FAMILY RESIDENTIAL	NA	NA
4880	4880 BALLARD RD	BALLARD RD	CHURCH	A	A
4909	4909 BILLYS CREEK DR	BILLYS CREEK DR	SINGLE FAMILY RESIDENTIAL	A	A
5110	5110 BILLYS CREEK DR	BILLYS CREEK DR	SINGLE FAMILY RESIDENTIAL	X	X
4906	4906 DEAN ST	DEAN ST	SINGLE FAMILY RESIDENTIAL	A	A
4907	4907 DEAN ST	DEAN ST	SINGLE FAMILY RESIDENTIAL	A	A
501	501 FIGUERA AVE	FIGUERA AVE	SINGLE FAMILY RESIDENTIAL	A	A
4767	4767 GARCIA AVE	GARCIA AVE	SINGLE FAMILY RESIDENTIAL	A	A
4902	4902 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4907	4907 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4910	4910 GARY DR	GARY DR	SINGLE FAMILY RESIDENTIAL	A	A
4750/4760	4750/4760 GLENWOOD AVE	GLENWOOD AVE	SINGLE FAMILY RESIDENTIAL	A	A
4909	4909 HOWARD ST	HOWARD ST	SINGLE FAMILY RESIDENTIAL	A	A
4852	4852 HUNTERS GREEN DR	HUNTERS GREEN DR	SINGLE FAMILY RESIDENTIAL	A	A
4911	4911 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	A	A
4909	4909 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4912	4912 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4918	4918 MARS ST	MARS ST	MOBILE HOME SUBDIVISION	NA	NA
4912	4912 N GALAXY DR	N GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4915	4915 N GALAXY DR	N GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4660	4660 PALM BEACH BLVD	PALM BEACH BLVD	RESTAURANT, DRIVE-IN	NA	NA
4710	4710 PALM BEACH BLVD	PALM BEACH BLVD	STORE, ONE (1) FLOOR	A -2 accounts	A -2 accounts
4917	4917 S GALAXY DR #23	S GALAXY DR	VACANT RESIDENTIAL	NA	NA
4922	4922 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4924	4924 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4928	4928 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4932	4932 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4938	4938 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	NA	NA
4944	4944 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4948	4948 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347–7403
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CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
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FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
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SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479–8900 www.lee–county.com/publicworks/dotitle.htm

LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 4

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4948	4948 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4952	4952 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4956	4956 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4958	4958 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4962	4962 S GALAXY DR	S GALAXY DR	MOBILE HOME SUBDIVISION	A	A
4901	4901 STEWARD DR	STEWARD DR	MOBILE HOME SUBDIVISION	NA	NA
4807	4807 TICE ST	TICE ST	SINGLE FAMILY RESIDENTIAL	A	A
4900	4900 TICE ST	TICE ST	MOBILE HOME PARK, RENTAL	A	A
4925	4925 TICE ST	TICE ST	SINGLE FAMILY RESIDENTIAL	A	A
191	191 ORTIZ AVE	ORTIZ AVE	MOBILE HOME SUBDIVISION	X	X
360	360 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
420	420 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
530	530 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
566	566 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
586	586 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
591	591 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
630	630 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
826	826 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
924	924 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	X	X
940	940 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1051	1051 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1070	1070 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
1091	1091 ORTIZ AVE	ORTIZ AVE	CHURCH	X	X
1131	1131 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1171	1171 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1191	1191 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1221	1221 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1265	1265 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	X	X
1270	1270 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1310	1310 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1391	1391 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	NA	NA
1420	1420 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1480	1480 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1501	1501 ORTIZ AVE	ORTIZ AVE	STORE, ONE (1) FLOOR	X	X
1511	1511 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1550	1550 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1591	1591 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	X	X
1610	1610 ORTIZ AVE	ORTIZ AVE	MARKET VALUE AGRICULTURAL	X	X
1620	1620 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR		
1650	1650 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT		
1651	1651 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1750	1750 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT		
1751	1751 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	X	X
1841	1841 ORTIZ AVE	ORTIZ AVE	GARAGE, REPAIR		
1891	1891 ORTIZ AVE	ORTIZ AVE	WAREHOUSING	X	X
1970	1970 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT		
2030	2030 ORTIZ AVE	ORTIZ AVE	WAREHOUSING		
2040	2040 ORTIZ AVE	ORTIZ AVE	HEAVY MANUFACTURING		
4924	4924 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	X	X
4964	4964 LUCKETT RD	LUCKETT RD	MOBILE HOME SUBDIVISION	X	X
1850/1880	1850/1880 ORTIZ AVE	ORTIZ AVE	INDUSTRIAL, VACANT		
186/88	186/88 ORTIZ AVE	ORTIZ AVE	VACANT RESIDENTIAL	NA-2 ACCOUNTS	NA-2 ACCOUNTS
720/724	720/724 ORTIZ AVE	ORTIZ AVE	CONVENIENCE STORE	X	X
1030	1030 ORTIZ AVE	ORTIZ AVE	COMMERCIAL, VACANT	A	A
	ACCESS UNDETERMINED	ACCESS UNDETERMINED	INDUSTRIAL, VACANT	no address?	
	ACCESS UNDETERMINED	ACCESS UNDETERMINED	MARKET VALUE AGRICULTURAL	no address?	
5103	5103 BILLYS CREEK DR	BILLYS CREEK DR	VACANT RESIDENTIAL	X	X
5109	5109 BILLYS CREEK DR	BILLYS CREEK DR	VACANT RESIDENTIAL	X	X
3933	3933 E MICHIGAN AVE	E MICHIGAN AVE	COMMERCIAL, VACANT	X	X
4836	4836 GLENWOOD AVE	GLENWOOD AVE	SINGLE FAMILY RESIDENTIAL	X	X
4853	4853 HUNTERS GREEN DR	HUNTERS GREEN DR	VACANT RESIDENTIAL	X	X

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LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 5

SITE NUMBER	ADDRESS	STREET	LAND USES	WATER A=ACTIVE NA=NONACTIVE X=NO SERVICE	SEWER A=ACTIVE NA=NONACTIVE X=NO SERVICE
4908	4908 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	X	X
4993	4993 JUPITER RD	JUPITER RD	MOBILE HOME SUBDIVISION	X	X
4852	4852 NOTTINGHAM DR	NOTTINGHAM DR	VACANT RESIDENTIAL	X	X
4853	4853 NOTTINGHAM DR	NOTTINGHAM DR	VACANT RESIDENTIAL	X	X
4906	4906 STEWARD DR	STEWARD DR	CHURCH	A	A
4795	4795 TICE ST	TICE ST	VACANT RESIDENTIAL	X	X
4945	4945 ZANA DR	ZANA DR	VACANT RESIDENTIAL	X	X

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LEE COUNTY WATER & SEWER PARCEL INFORMATION

SHEET NO. 6

STANDARD PLAN NOTES GENERAL

THE STANDARD NOTES SHOWN BELOW SHALL BE INCLUDED ON ALL WATER AND SEWER PLANS SUBMITTED FOR APPROVAL TO LEE COUNTY UTILITIES (LCU).

A. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LEE COUNTY UTILITIES OPERATIONAL MANUAL WHICH IS ON FILE AT THE DIVISION OF LEE COUNTY UTILITIES OFFICE (1500 MONROE STREET, FORT MYERS, FLORIDA 33902).

B. DELETE.

C. AT THE SITE KEEP AND MAINTAIN ONE RECORD COPY OF ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS AND ALL TECHNICAL DOCUMENTS SUBMITTED IN GOOD ORDER. AS THE WORK PROGRESSES THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE SHALL RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES AT EACH; SEWER, WATER, ELECTRIC, GAS, COMMUNICATION AND OTHER SERVICES BY OFF-SET DISTANCE TO PERMANENT IMPROVEMENTS SUCH AS BUILDING AND CURBS. THESE RECORD DRAWINGS MUST BE CERTIFIED BY THE FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO PREPARED THE PLANS AND SIGNS AND SEALS THESE PLANS. THE RECORD DRAWINGS SHALL INCLUDE VERTICAL AND HORIZONTAL ALIGNMENT OF ALL WATER, SEWER, AND EFFLUENT REUSE LINES, VALVES, TEES, BENDS, REDUCERS, HYDRANTS, PUMP STATIONS, SERVICE CONNECTIONS, METER BOXES AND/OR PADS, AND OTHER PERTINENT STRUCTURES. PIPELINE RUNS IN EXCESS OF 152.4M, (500'), WITHOUT FITTINGS SHALL INCLUDE VERTICAL ALIGNMENT INFORMATION AT 152.4M, (500') INTERVALS. SAID ALIGNMENT SHALL BE TIED TO PERMANENT IMPROVEMENTS, SUCH AS ROADWAY AND/OR RAILROAD CENTERLINES AND RIGHTS-OF-WAY, BUILDING AND PROPERTY CORNERS, AND SHALL BE CERTIFIED BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF FLORIDA. THE PROFESSIONAL LAND SURVEYOR CAN COORDINATE WITH THE CONTRACTOR TO INSTALL THE NECESSARY APPURTENANCES ON BURIED UTILITIES TO FACILITATE THE SURVEY AFTER CONSTRUCTION IS COMPLETED. IN ADDITION, PROPERTY STRAP NUMBERS AND STREET NAMES SHALL BE SHOWN ON THE PLAN. ON A CASE BY CASE BASIS, LEE COUNTY UTILITIES MAY WAIVE THE REQUIREMENT FOR CERTIFICATION BY A PROFESSIONAL LAND SURVEYOR, LICENSED IN THE STATE OF FLORIDA. HOWEVER, PRIOR CONSENT MUST FIRST BE OBTAINED FROM LEE COUNTY UTILITIES. THEY SHALL WITHHOLD FINAL ACCEPTANCE OF THE PROJECT UNTIL THE REQUIREMENT FOR RECORD DRAWINGS AND RELATED RECORDS HAS BEEN MET. RECORD DRAWINGS WITHOUT DETAILED FIELD VERIFIED HORIZONTAL AND VERTICAL LOCATIONS OF ALL FACILITIES SHOWN WILL BE REJECTED.

D. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. LEE COUNTY UTILITIES SHALL BE NOTIFIED 48 HOURS PRIOR TO PROJECT MOBILIZATION.

E. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

F. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.

G. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND TO COMPLETE WORK.

H. LCU INSPECTION STAFF MAY OBSERVE PROJECT CONSTRUCTION.

I. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.

J. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AN NO PRE-D STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.

K. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS. IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND LCU.

L. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH.

M. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BAILS) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN.

N. IN THE EVENT THAT HARD LIMESTONE FORMATION IS ENCOUNTERED, MAKING IT IMPOSSIBLE TO EXCAVATE TO THE DEPTH REQUIRED UNDER THIS CONTRACT, THE CONTRACTOR MAY BE ALLOWED TO REDUCE THE PIPE COVER TO NOT LESS THAN TWO (2) FEET WHILE MAINTAINING THE LCU REQUIRED THICKNESS OF BEDDING UNDER THE PIPE. SUCH DEVIATION FROM THE PLANS MUST BE FIRST BE APPROVED BY LCU AND THE ENGINEER PRIOR TO THE PIPE LAYING. IF TWO FEET OF COVER OR MORE CAN NOT BE ATTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHOD OF CONSTRUCTION OR PIPE PROTECTION WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE LCU.

O. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA, UNLESS APPROVED BY THE ENGINEER.

P. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.

Q. TRAFFIC MUST BE MAINTAINED AT ALL TIMES AS PER LEE COUNTY DEPARTMENT OF TRANSPORTATION (LCDOT) AND PER FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

R. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST 48 HOURS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES AND FDOT AND LCDOT PRIOR TO CONSTRUCTION.

S. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.

T. WITHIN THE FDOT AND LCDOT RIGHT-OF-WAY, ALL DISTURBED AREAS SHALL RECEIVE GRASSING (SEEDING) OR SODDING MATERIALS IN ACCORDANCE WITH FDOT SPECIFICATIONS. THOSE AREAS THAT ARE CLASSIFIED AS DRAINAGE DITCHES SHALL RECEIVE FULL SOLID SOD.

U. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

V. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS ALLOWED.

WATER NOTES

A. THE CONTRACTOR SHALL KEEP EXISTING WATER MAINS AND SERVICE LINES IN OPERATION DURING CONSTRUCTION OR TO MINIMIZE INTERRUPTION OF WATER SERVICE DURING CONSTRUCTION.

B. ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT WILL CONFORM TO APPLICABLE AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS.

C. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER WILL CONFORM TO NSF INTERNATIONAL STANDARD 61.

D. ALL PIPE AND FITTINGS INSTALLED UNDER THIS PROJECT WILL CONTAIN NO MORE THAN 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT WILL CONTAIN NO MORE THAN 0.2% LEAD.

E. ALL WATERMAIN PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID-WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.)

F. DELETE.

G. THE INSIDE DIAMETER OF NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT ARE BEING DESIGNED TO PROVIDE FIRE PROTECTION AND SERVE FIRE HYDRANTS WILL BE AT LEAST SIX INCHES.

H. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT ARE NOT BEING DESIGNED TO CARRY FIRE FLOWS SHALL NOT HAVE FIRE HYDRANTS CONNECTED TO THEM.

I. THIS PROJECT SHALL MINIMIZE DEAD-END WATER MAINS BY MAKING APPROPRIATE TIE-INS WHERE PRACTICAL.

J. NEW OR ALTERED DEAD-END WATER MAINS INCLUDED IN THIS PROJECT SHALL BE PROVIDED WITH A FIRE OR FLUSHING HYDRANT OR BLOW-OFF FOR FLUSHING PURPOSES.

K. SUFFICIENT VALVES SHALL BE PROVIDED ON NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SO THAT INCONVENIENCE AND SANITARY HAZARDS WILL BE MINIMIZED DURING REPAIRS.

L. NEW OR ALTERED FIRE HYDRANT LEADS INCLUDED IN THIS PROJECT WILL HAVE AN INSIDE DIAMETER OF AT LEAST SIX INCHES AND WILL INCLUDE AN AUXILIARY VALVE.

M. ALL FIRE HYDRANTS THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL HAVE UNPLUGGED, UNDERGROUND DRAINS WILL BE LOCATED AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., OR VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-10, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

N. AT HIGH POINTS WHERE AIR CAN ACCUMULATE IN NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT, PROVISIONS SHALL BE MADE TO REMOVE THE AIR BY MEANS OF AIR RELIEF VALVES, AND AUTOMATIC AIR RELIEF VALVES SHALL NOT BE USED IN SITUATIONS WHERE FLOODING OF THE VALVE MANHOLE OR CHAMBER MAY OCCUR.

O. THE OPEN END OF THE AIR RELIEF PIPE FROM ALL AUTOMATIC AIR RELIEF VALVES INSTALLED UNDER THIS PROJECT SHALL BE EXTENDED TO AT LEAST ONE FOOT ABOVE GRADE AND WILL BE PROVIDED WITH A SCREENED, DOWNWARD-FACING ELBOW.

P. NEW OR ALTERED CHAMBERS, PITS, OR MANHOLES THAT CONTAIN VALVES, BLOW-OFFS, METERS, OR OTHER SUCH WATER DISTRIBUTION SYSTEM APPURTENANCES AND THAT ARE INCLUDED IN THIS PROJECT SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER, AND BLOW-OFFS OR AIR RELIEF VALVES INSTALLED UNDER THIS PROJECT SHALL NOT BE CONNECTED DIRECTLY TO ANY SANITARY OR STORM SEWER.

Q. NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS OR IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDED PROCEDURES.

R. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT; BACKFILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE; AND UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES SHALL BE REMOVED FOR A DEPTH OF AT LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.

S. ALL WATER MAIN TEES, BENDS, PLUGS, AND HYDRANTS INSTALLED UNDER THIS PROJECT SHALL BE PROVIDED WITH THRUST BLOCKS OR RESTRAINED JOINTS TO PREVENT MOVEMENT.

T. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE CONSTRUCTED OF POLYVINYL CHLORIDE PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C603 OR C605, RESPECTIVELY, AND ALL OTHER NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600.

U. NEW OR ALTERED WATER MAINS, INCLUDING FIRE HYDRANT LEADS AND INCLUDING SERVICE LINES THAT WILL BE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER, WILL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED.

V. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL BE INSTALLED IN AREAS WHERE THERE ARE KNOWN AGGRESSIVE SOIL CONDITIONS WILL BE PROTECTED THROUGH USE OF CORROSION-RESISTANT WATER MAIN MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYETHYLENE, OR THROUGH PROVISION OF CATHODIC PROTECTION.

W. NEW OR RELOCATED, UNDERGROUND WATER MAINS INCLUDED IN THIS PROJECT SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER (OR A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER IF THE BOTTOM OF THE WATER MAIN SHALL BE LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER); A HORIZONTAL DISTANCE OF AT LEAST SIX FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM."

X. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES ABOVE THE OTHER PIPELINE OR AT LEAST 12 INCHES BELOW THE OTHER PIPELINE; AND NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.

LEGEND

12 W	WATERMAIN (12" SHOWN)
30 RW	RAW WATERMAIN (30" SHOWN)
24 FM	FORCEMAIN (24" SHOWN)
18 SS	SANITARY SEWER (18" SHOWN)
xstm	EXISTING STORMWATER DRAINAGE
SSV	PROPOSED SANITARY PLUG VALVE
	PROPOSED TAPPING VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED REDUCER
WV	PROPOSED GATE VALVE
LCU	LEE COUNTY UTILITIES
CFM	CITY OF FORT MYERS

WATER NOTES CONT.

Y. AT THE UTILITY CROSSINGS DESCRIBED IN PART II.C.1.W ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE WILL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE OR THE PIPES WILL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

Z. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS ABOVE SURFACE WATER WILL BE ADEQUATELY SUPPORTED AND ANCHORED, PROTECTED FROM DAMAGE AND FREEZING, AND ACCESSIBLE FOR REPAIR OR REPLACEMENT.

AA. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS UNDER SURFACE WATER WILL HAVE A MINIMUM COVER OF TWO FEET.

AB. NEW OR ALTERED WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS UNDER SURFACE WATER COURSES GREATER THAN 15 FEET IN WIDTH SHALL HAVE FLEXIBLE OR RESTRAINED, WATERTIGHT PIPE JOINTS AND WILL INCLUDE VALVES AT BOTH ENDS OF THE WATER CROSSING SO THE UNDERWATER MAIN CAN BE ISOLATED FOR TESTING AND REPAIR; THE AFOREMENTIONED ISOLATION VALVES WILL BE EASILY ACCESSIBLE AND SHALL NOT BE SUBJECT TO FLOODING; THE ISOLATION VALVE CLOSEST TO THE WATER SUPPLY SOURCE SHALL BE IN A MANHOLE; AND PERMANENT TAPS WILL BE PROVIDED ON EACH SIDE OF THE ISOLATION VALVE WITHIN THE MANHOLE TO ALLOW FOR INSERTION OF A SMALL METER TO DETERMINE LEAKAGE FROM THE UNDERWATER MAIN AND TO ALLOW FOR SAMPLING OF WATER FROM THE UNDERWATER MAIN.

AC. THIS PROJECT SHALL HAVE PROPER BACKFLOW PROTECTION AT THOSE NEW OR ALTERED SERVICE CONNECTIONS WHERE BACKFLOW PROTECTION IS REQUIRED OR RECOMMENDED UNDER RULE 62-555.360, F.A.C., OR IN *RECOMMENDED PRACTICE FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL*, AWWA MANUAL M14, AS INCORPORATED INTO RULE 62-555.330, F.A.C.; OR THE PUBLIC WATER SYSTEM THAT WILL OWN THIS PROJECT AFTER IT IS PLACED INTO OPERATION HAS A CROSS-CONNECTION CONTROL PROGRAM REQUIRING WATER CUSTOMERS TO INSTALL PROPER BACKFLOW PROTECTION AT THOSE SERVICE CONNECTIONS WHERE BACKFLOW PROTECTION IS REQUIRED OR RECOMMENDED UNDER RULE 62-555.360, F.A.C., OR IN AWWA MANUAL M14.

AD. NEITHER STEAM CONDENSATE, COOLING WATER FROM ENGINE JACKETS, NOR WATER USED IN CONJUNCTION WITH HEAT EXCHANGERS WILL BE ALLOWED TO BE RETURNED TO THE NEW OR ALTERED WATER MAINS INCLUDED IN THIS PROJECT.

NOTES

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. ALL WORK SHALL CONFORM TO LEE COUNTY UTILITIES STANDARDS AND SPECIFICATIONS.
3. ALL FRAMES, COVERS, VALVE BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
4. LEE COUNTY UTILITIES SHALL BE NOTIFIED 72 HOURS PRIOR TO STARTING OF WORK AND PRIOR TO TESTING.
5. ALL WORK AND MATERIALS WHICH DO NOT CONFORM TO THE SPECIFICATIONS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE ANY OTHER CONSTRUCTION.
7. THE CONTRACTOR SHALL COMPLY WITH ALL FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND LEE COUNTY PUBLIC HEALTH UNIT REQUIREMENTS.
8. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD AND STANDARD INDEXES WITH WARNING SIGNS, BARRIERS AND DEVICES AS REQUIRED BY FDOT. REFER TO FDOT INDEX NO. 610 AND 611.
9. CONNECTION TO EXISTING MAINS SHALL BE COMPLETED BY THE CONTRACTOR AFTER LEE COUNTY HEALTH DEPT. OR FDEP CLEARANCE. APPROPRIATE NOTICES SHALL BE ISSUED TO UTILITY CUSTOMERS FOR MAIN SHUTDOWN AND CONNECTION SHALL BE MADE USING NECESSARY FITTINGS, PIPE AND SOLID SLEEVE REPAIR COUPLINGS.
10. DIRECTIONAL BORE AND/OR OPEN TRENCH HDPE PIPE SHALL BE CONNECTED TO PVC OR DIP PIPE USING APPROPRIATE FITTINGS, STAINLESS STEEL INSERTS AND SOLID SLEEVE REPAIR COUPLINGS WHEN REQUIRED. CASING PIPE SHALL HAVE A CASCADE WATERWORKS MFG. CO. MODEL CCES, OR APPROVED EQUAL, RUBBER SEAL CONNECTED WITH STAINLESS STEEL STRAPS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
11. FIRE HYDRANT ASSEMBLIES SHALL BE CONNECTED TO THE WATERMAIN PER THE DETAIL AND INCLUDE THE INLINE TEE, GATE VALVE, FIRE HYDRANT, PIPE, THRUST BLOCKS AND BOLLARDS WHEN REQUIRED.
12. AFTER MAIN CLEARANCE, SERVICES ON THE OLD MAIN SHALL BE RECONNECTED TO THE NEW MAIN PER THE DETAIL. CONDUITS SHALL BE INCLUDED FOR SERVICES EXTENDING ACROSS THE ROAD PAVEMENT.
13. SERVICES NO LONGER REQUIRED DUE TO DEMOLITION OF EXISTING STRUCTURES SHALL BE PROPERLY ABANDONED.
14. ALL SERVICES SHALL BE ADJUSTED TO AVOID CONFLICTS WITH HIGHWAY CONSTRUCTION STRUCTURES, GRADING AND PIPES.
15. PRIOR TO CONSTRUCTION OF LCU WATER MAINS TO SERVE BALLARD ROAD. LUCKETT ROAD, HUNTERS GREEN DRIVE, NOTTINGHAM DRIVE AND ZANA DRIVE, FUTURE SERVICE OF THESE NEIGHBORHOODS SHALL BE CONFIRMED. IF THE CITY OF FORT MYERS WILL SERVE THESE NEIGHBORHOODS, LCU WATERMAIN EXTENSIONS WILL NOT BE NEEDED.
16. ASBESTOS WATER MAIN PIPE SHALL BE PROPERLY REMOVED AND DISPOSED BY QUALIFIED PERSONNEL.
17. THE CONTRACTOR SHALL UTILIZE TRENCH BOXES, TEMPORARY SHEET PILES, OR SHORING, AS NECESSARY, TO MAINTAIN UTILITY WORK WITHIN RIGHT-OF-WAY LINES

NO.	DATE	BY	REVISIONS - DESCRIPTION

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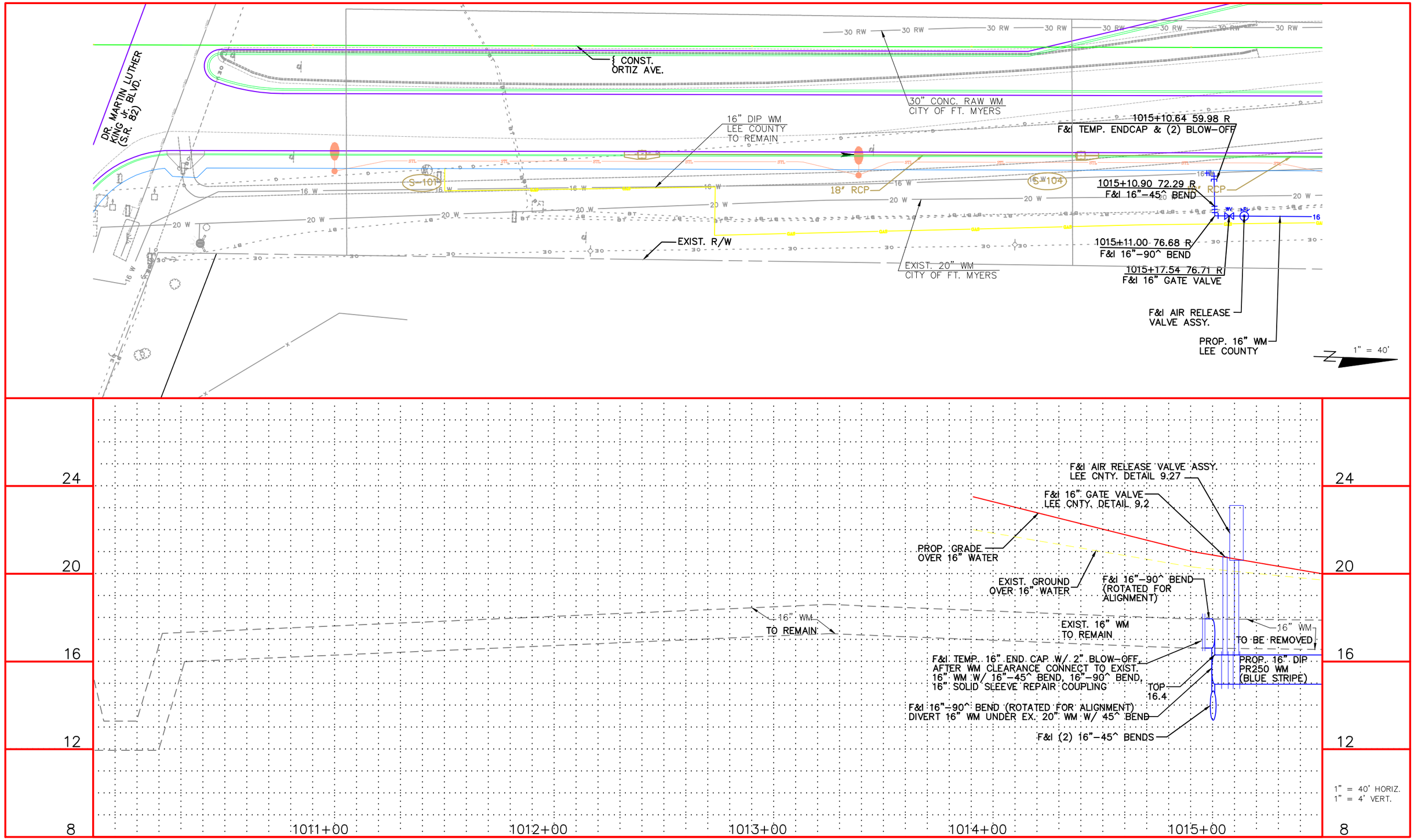
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER GENERAL NOTES

SHEET NO. 7



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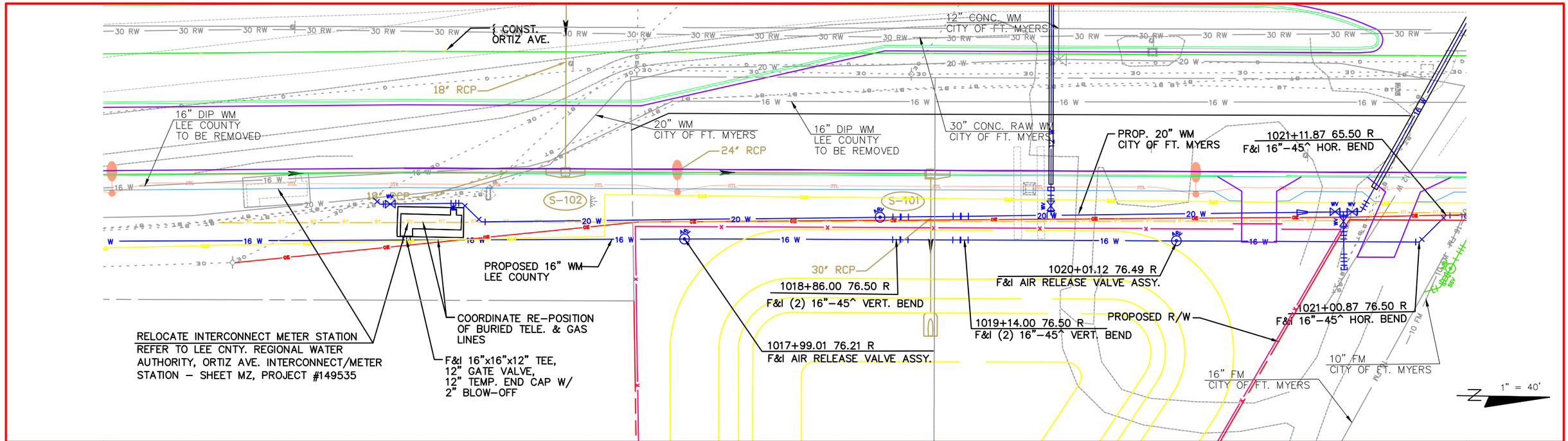
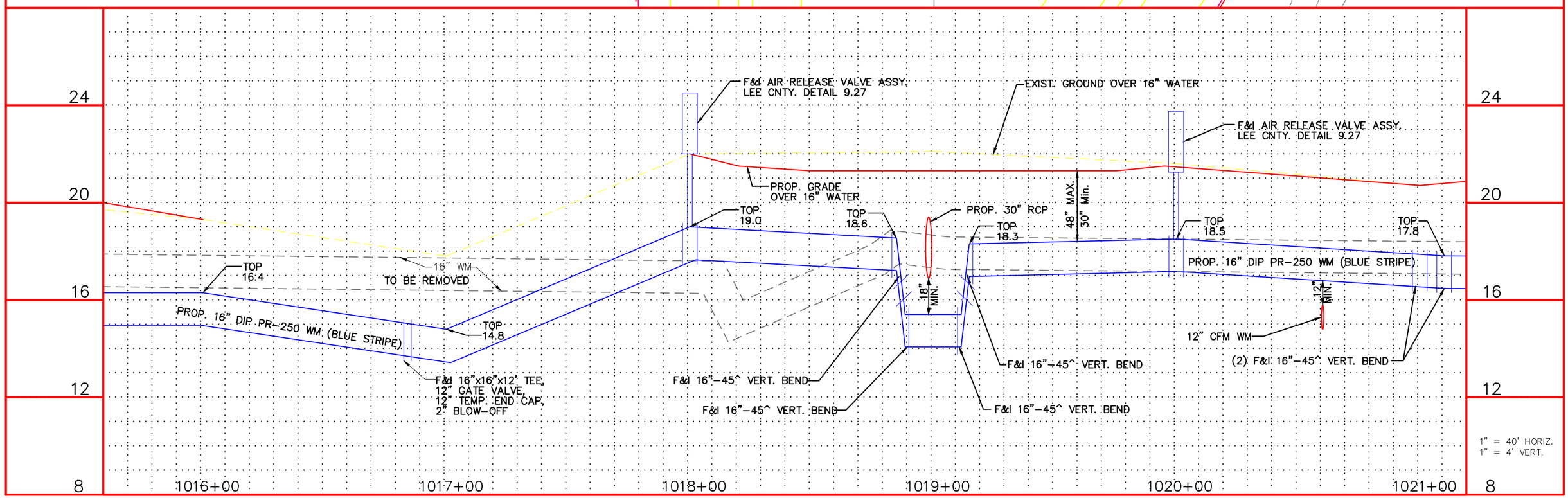
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1010+00.00 TO STA. 1015+60.00

SHEET NO. 8





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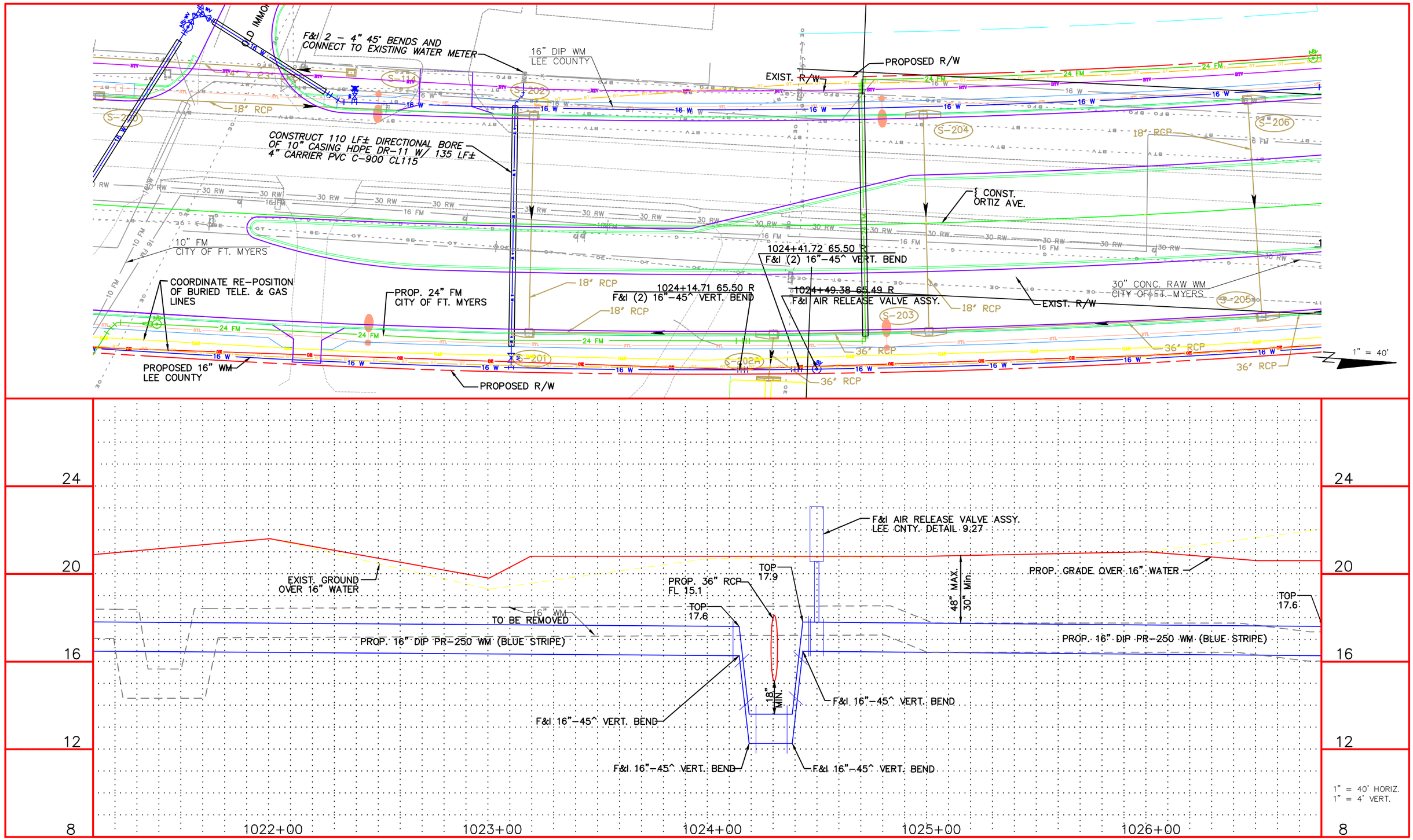
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1015+60.00 TO STA. 1021+20.00

SHEET NO. 9



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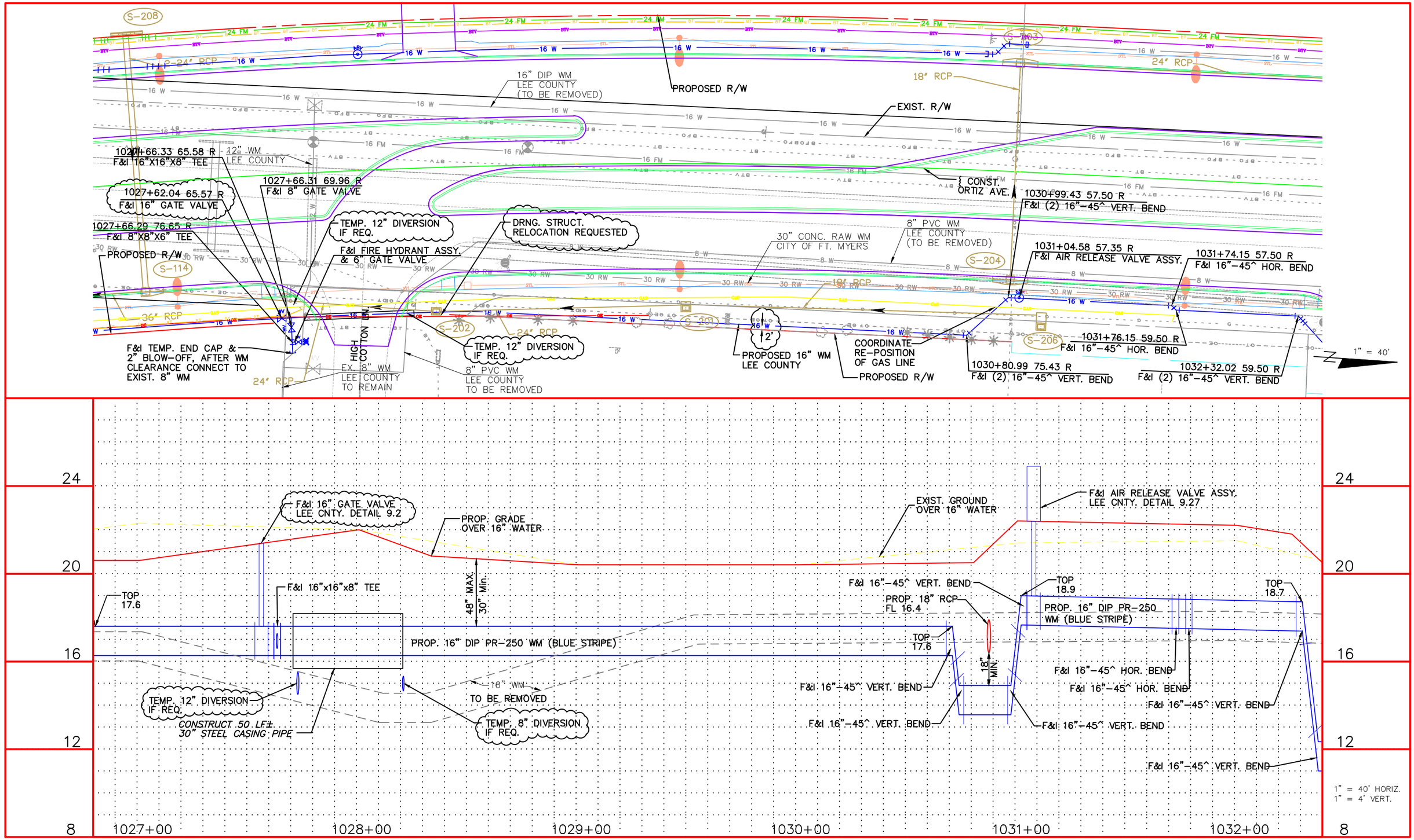
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1021+20.00 TO STA. 1026+80.00

SHEET NO. 10



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LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1026+80.00 TO STA. 1032+40.00

SHEET NO.
11

24" RCP
16" DIP WM
LEE COUNTY
TO BE REMOVED
18" RCP
30" RCP
36" RCP
S-217
S-221
1032+48.02 75.50 R
F&I (2) 16"-45^ VERT. BEND
1033+39.00 75.50 R
F&I AIR RELEASE VALVE ASSY.
8" PVC WM
LEE COUNTY
(TO BE REMOVED)
EXIST. R/W
30" CONC. RAW WM
CITY OF FT. MYERS
{ CONST.
ORTIZ AVE.
12" HDPE WM
W/ 20" HDPE CASING
CITY OF FT. MYERS
(TO BE REMOVED)
DEFLECT WM UNDER
DRAINAGE BOX
12" PVC WM
CITY OF FT. MYERS
(TO BE REMOVED)
S-215A
S-216
S-220
S-219
S-218
18" RCP
DEFLECT WM UNDER
DRAINAGE BOX
KIM LN.
1033+50.00 75.50 R
F&I FIRE HYDRANT ASSY.,
6" GATE VALVE &
16"x16"x6" TEE
1033+57.60 75.56 R
F&I 16" GATE VALVE
PROPOSED 16" WM
LEE COUNTY
EX. 12"x18" ERCP
(TO REMAIN)
DRNG. STRUCT.
RELOCATION
REQUESTED
1037+30.00 75.51 R
F&I 16"-22.5^ VERT. BEND
LAREDO AVE.
1" = 40'

F&I FIRE HYDRANT ASSY.
PARALLEL CONNECTION
LEE CNTY. DETAIL 9.14 (MOD.)
F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.27
F&I 16" GATE VALVE
LEE CNTY. DETAIL 9.2
PROP. GRADE
OVER 16" WATER
TOP
17.8
EXIST. GROUND OVER 16" WATER
48" MAX.
30" Min.
EXIST.
12" X 18" ERCP
(TO REMAIN)
12" MIN.
PROP. 16" DIP PR-250 WM (BLUE STRIPE)
EXIST. 16" WM
TO BE REMOVED
TOP
17.6
CONSTRUCT 40 LF±
30" STEEL CASING PIPE
F&I 16"-45^ VERT. BEND
F&I 16"-45^ VERT. BEND
F&I 16"-11.25^ VERT. BEND
CONSTRUCT 190 LF± DIRECTIONAL BORE OF
30" CASING HDPE DR-11 W/ 200 LF± 16"
CARRIER HDPE DR-11 & (2) 16" SOLID SLEEVE
REPAIR COUPLING
1" = 40' HORIZ.
1" = 4' VERT.
24
20
16
12
8
1033+00
1034+00
1035+00
1036+00
1037+00
103

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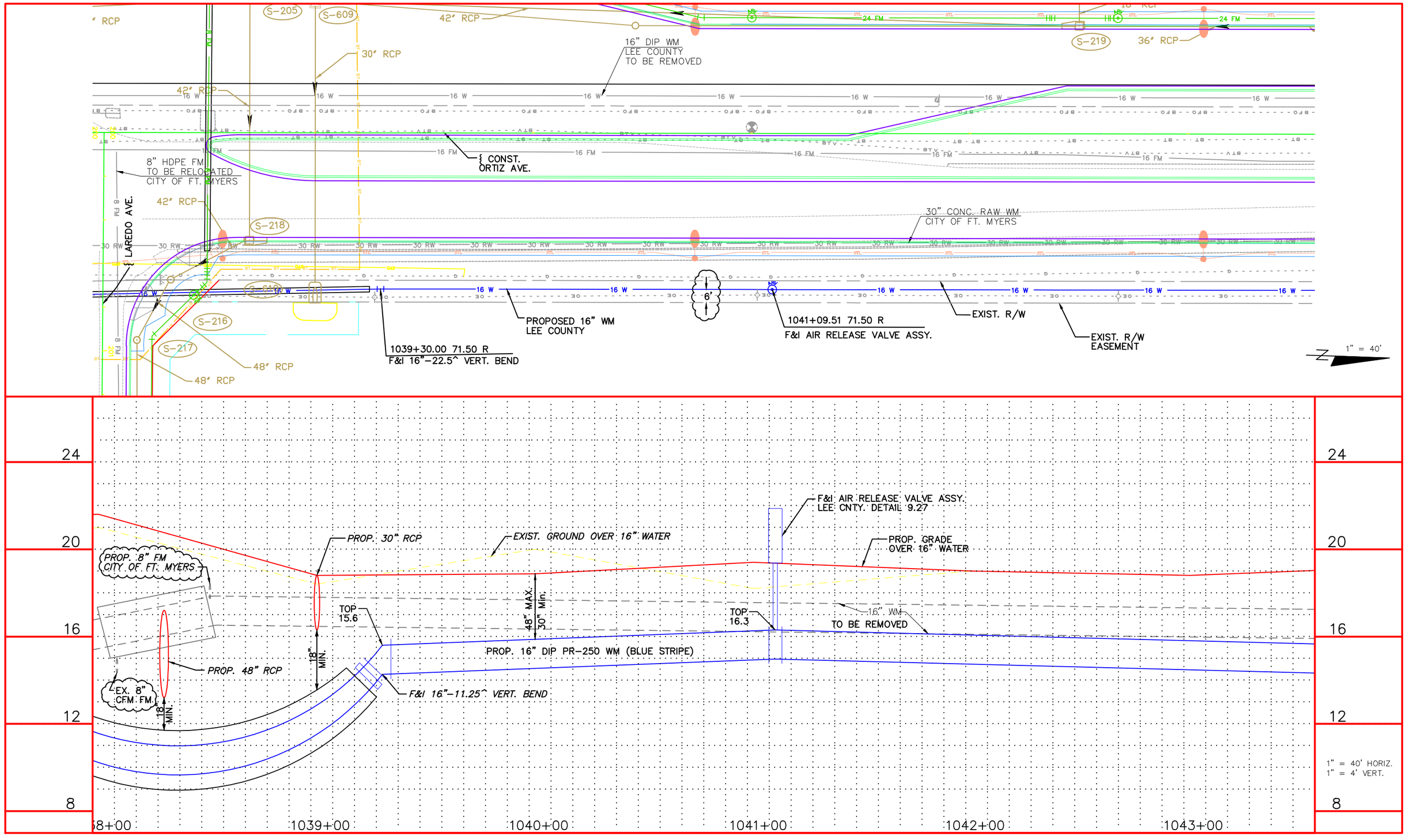
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1032+40.00 TO STA. 1038+00.00

SHEET NO. 12



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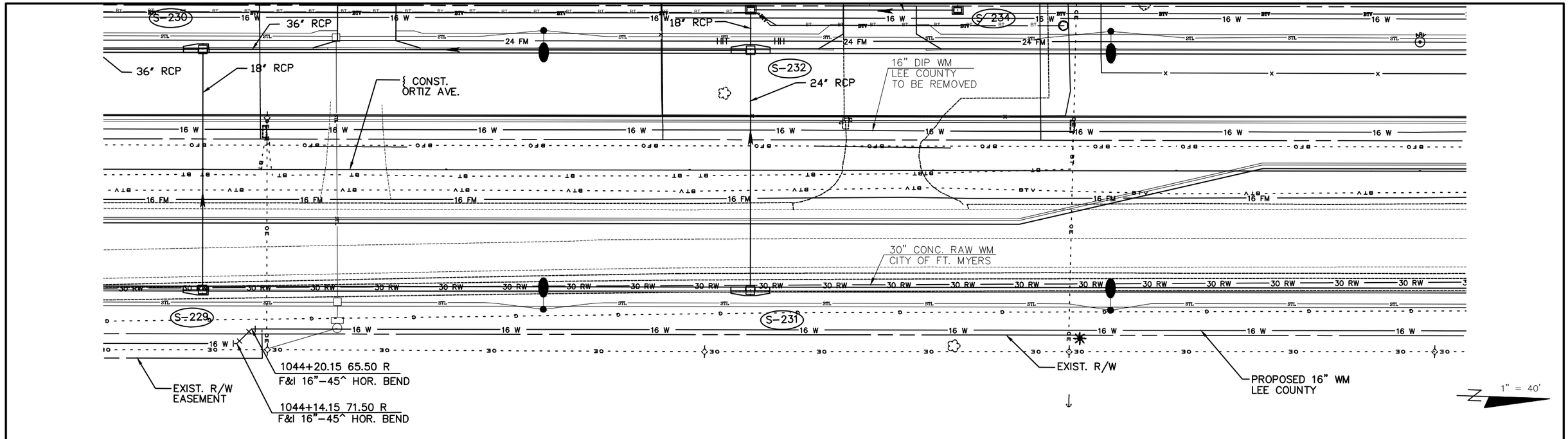
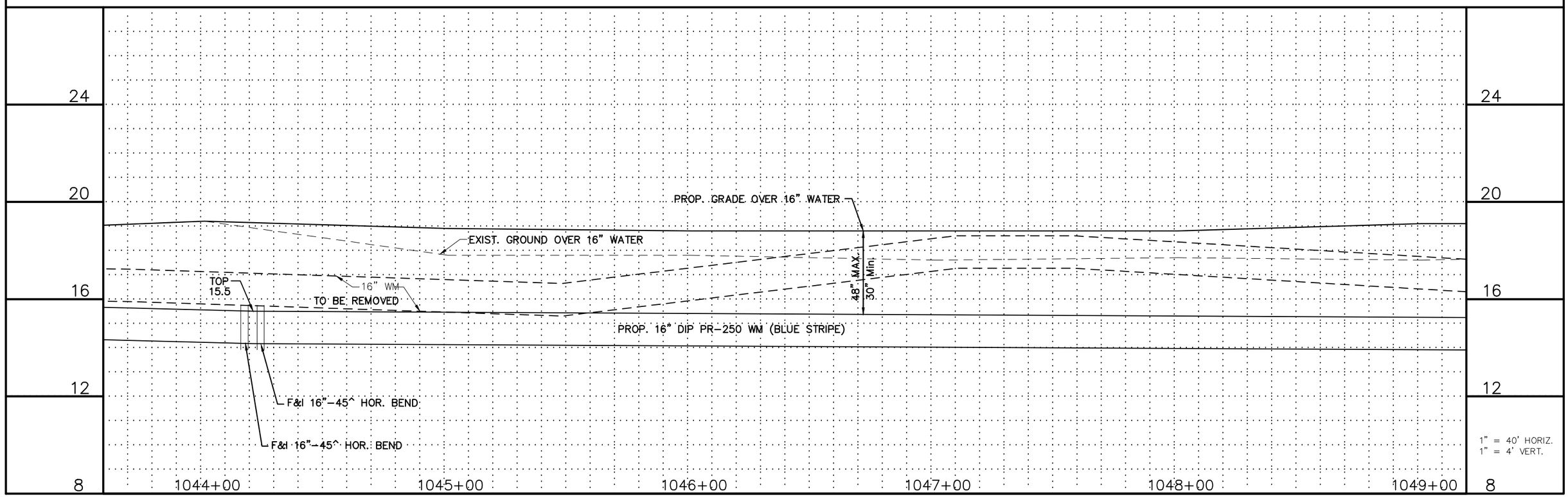
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1038+00.00 TO STA. 1043+60.00

SHEET NO.
13





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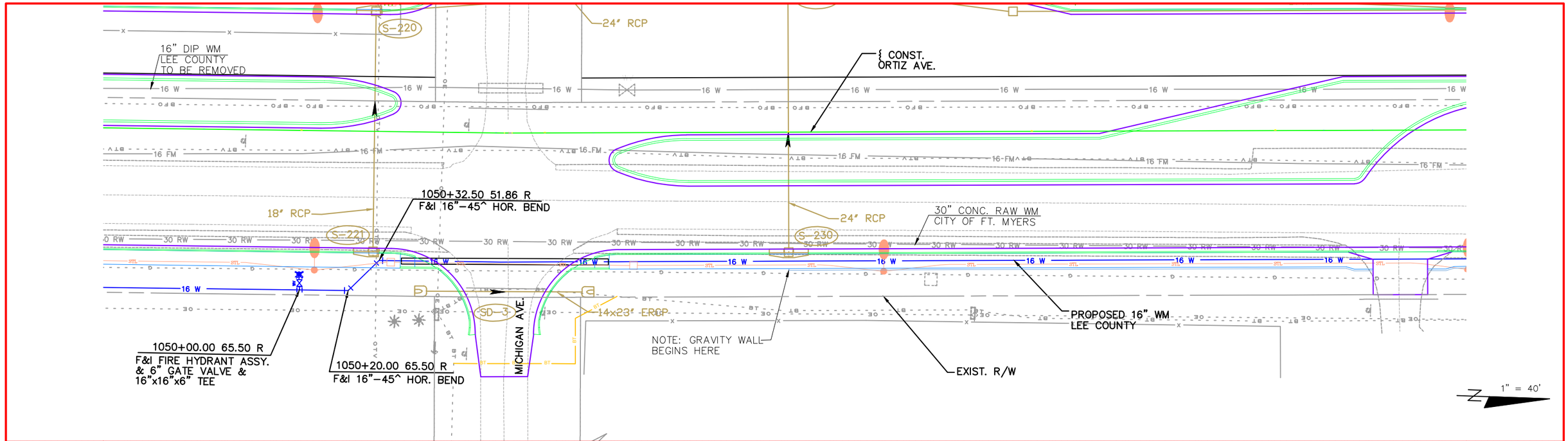
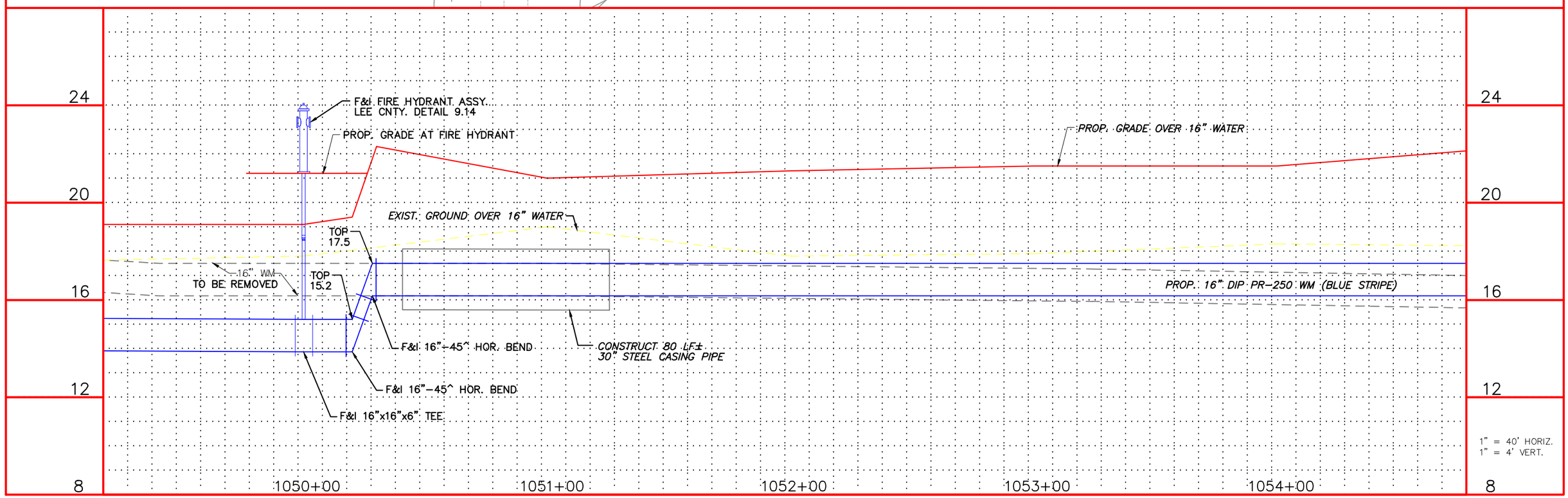
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1043+60.00 TO STA. 1049+20.00

SHEET NO.
14





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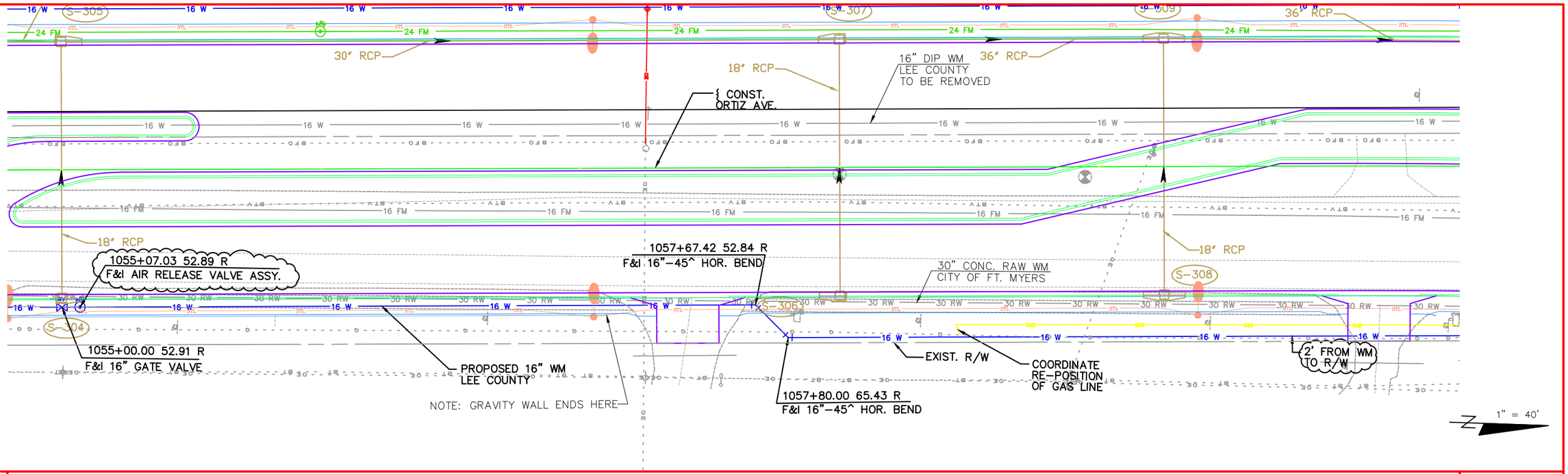
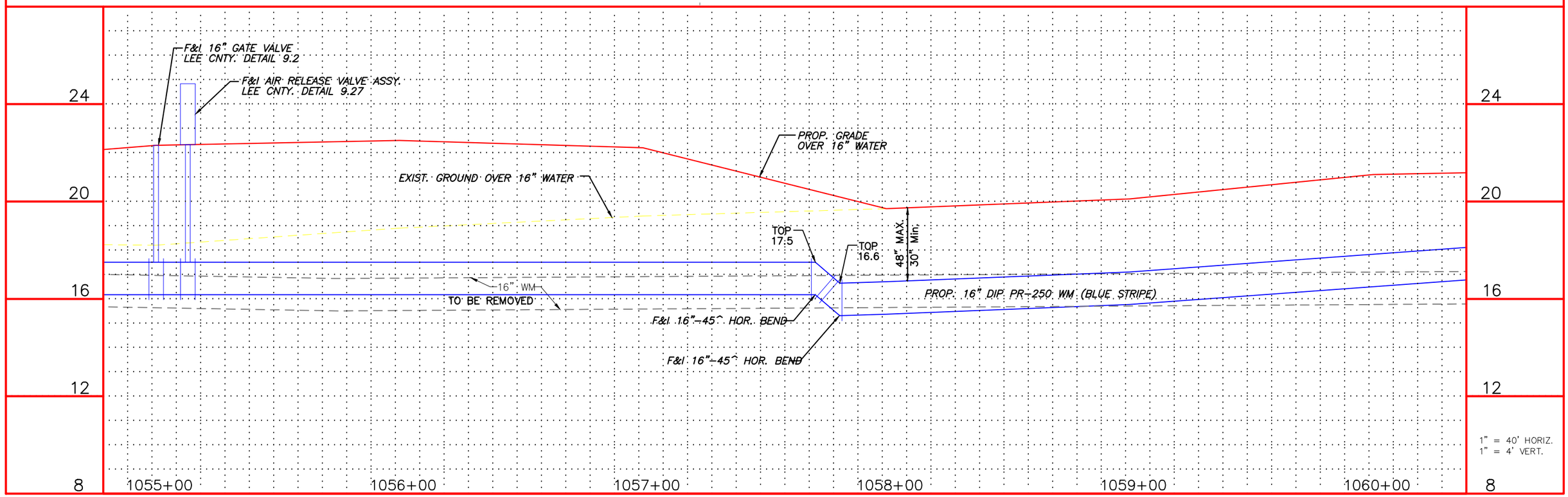
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1049+20.00 TO STA. 1054+80.00

SHEET NO. 15





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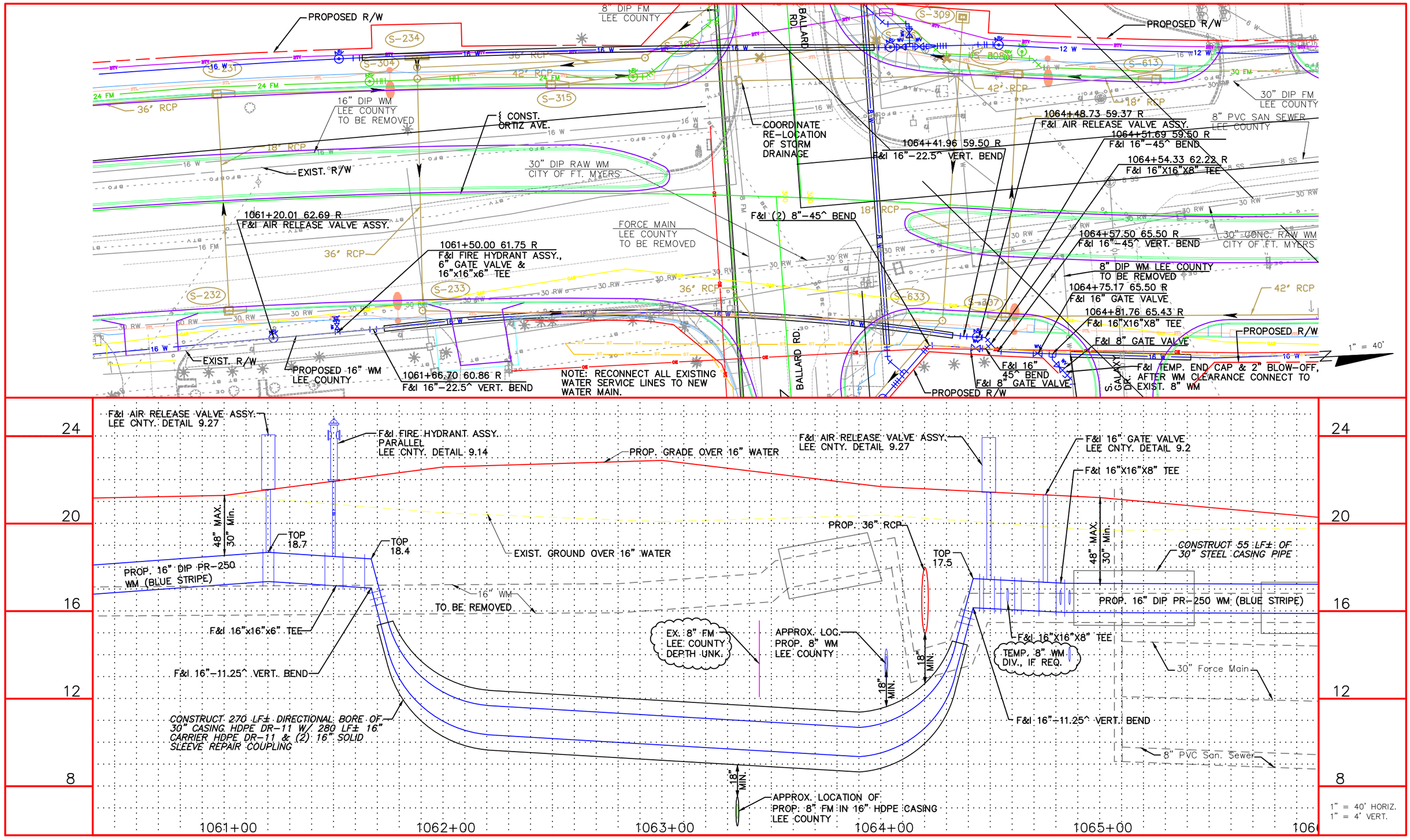
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1054+80.00 TO STA. 1060+40.00

SHEET NO. 16



NO.	DATE	BY	REVISIONS - DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

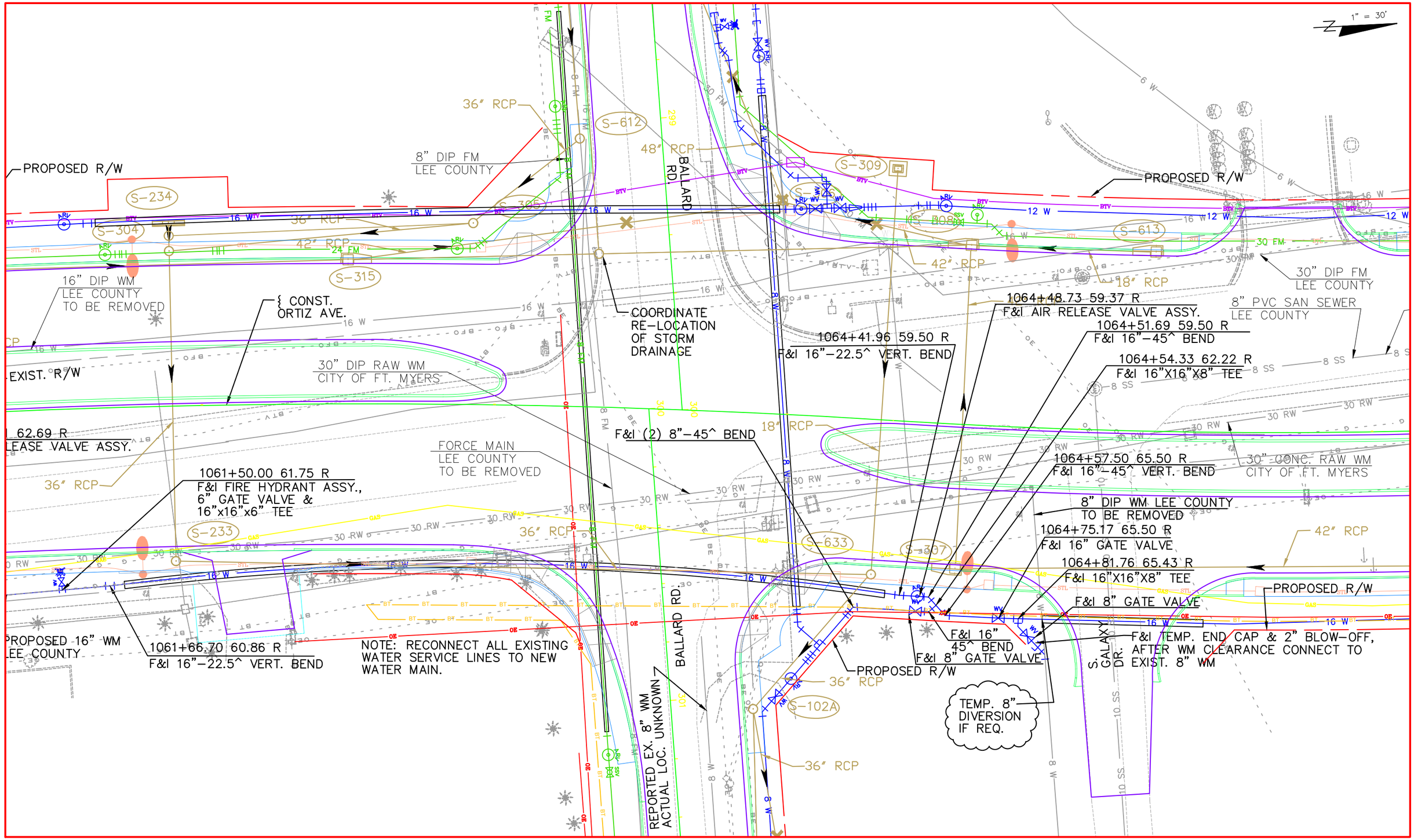
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1060+40.00 TO STA. 1066+00.00

SHEET NO. 17



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LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1060+40.00 TO STA. 1066+00.00

SHEET NO. 17-A

EXIST. R/W

EXIST. R/W

16" DIP WM LEE COUNTY (IN EASEMENT) TO BE REMOVED

PROPOSED R/W

PROPOSED R/W

8" PVC SAN. SEWER LEE COUNTY

6" ABANDONED WM LEE COUNTY TO BE REMOVED

30" DIP FM LEE COUNTY

S-326

S-324

S-328

2" PVC WM LEE COUNTY TO BE REMOVED

10" PVC SAN. SEWER LEE COUNTY

30" CONC. RW-MAIN CITY OF FT. MYERS

℄ CONST. ORTIZ AVE.

DRNG. STRUCT. RE-LOCATION REQUESTED

10" PVC SAN. SEWER LEE COUNTY

24" RCP

1067+11.82 65.86 R
F&I 16"X16"X8" TEE

1067+13.40 70.36 R
F&I 8" GATE VALVE

S-323

S-700

S-325

S-701

PROPOSED 16" WM LEE COUNTY

8" PVC SAN. SEWER LEE COUNTY

1070+24.23 81.16 R
F&I 8" GATE VALVE

1070+25.77 77.42 R
F&I 16"X16"X8" TEE

EXIST. R/W

18" RCP

1070+25.77 79.77 R
F&I 8"-45∆ BEND

S-327

PROPOSED R/W

1067+33.04 90.59 R
F&I PERM. END CAP & 2" BLOW-OFF, AFTER WM CLEARANCE CONNECT TO EXIST. 2" WM

LCU 2" WM (TO REMAIN)

N. GALAXY DR.

PROPOSED R/W

EX. 2" LCU WM TO BE REMOVED

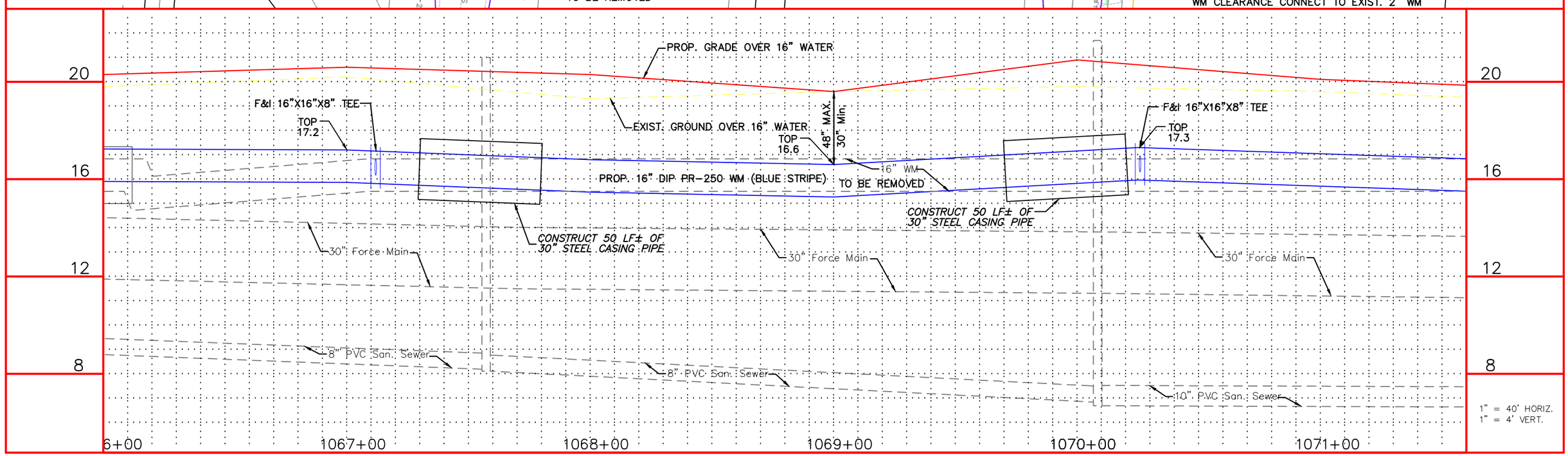
LCU 2" WM (TO REMAIN)

MARS ST.

1070+16.68 88.04 R
F&I FIRE HYDRANT ASSY., 6" GATE VALVE & 8"x8"x6" TEE

1070+11.61 92.70 R
F&I PERM. END CAP & 2" BLOW-OFF, AFTER WM CLEARANCE CONNECT TO EXIST. 2" WM

1" = 40'



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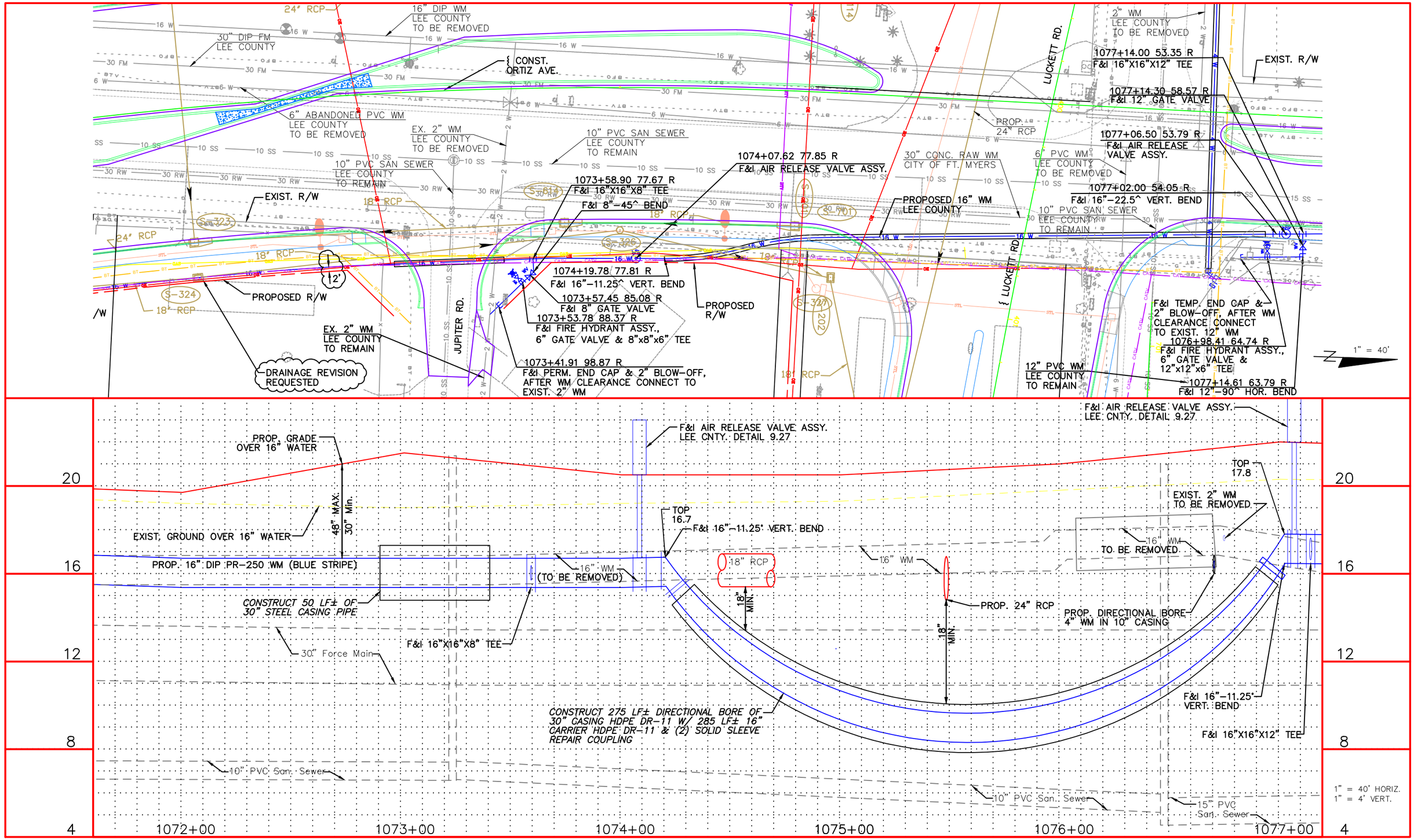
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1066+00.00 TO STA. 1071+60.00

SHEET NO. 18



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FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET
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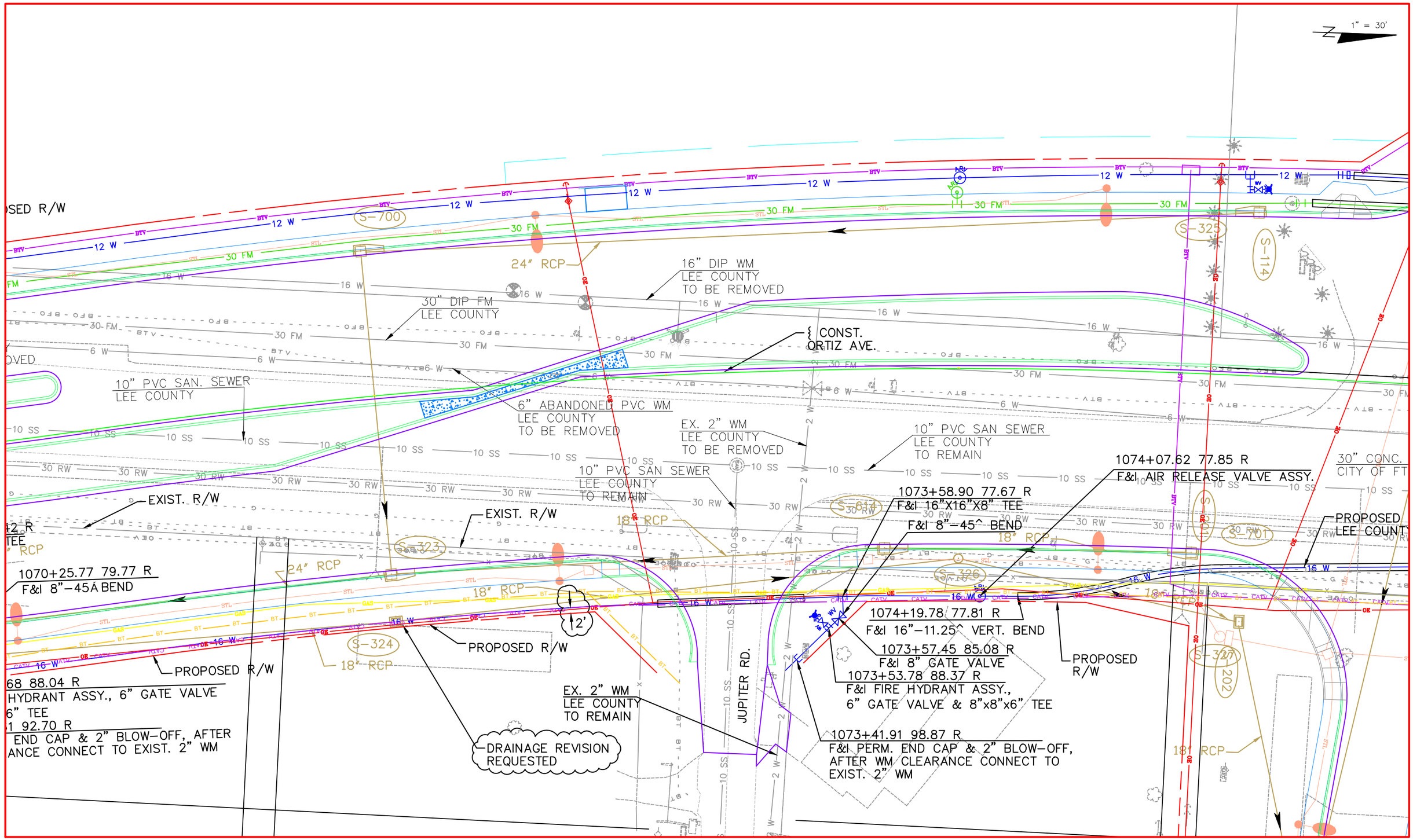
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1071+60.00 TO STA. 1077+20.00

SHEET NO.
19



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DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

LEE COUNTY WATER ADJUSTMENT SHEETS

ENLARGED VIEW

SHEET NO.
19-A

PROPOSED R/W

F&I TEMP. END CAP & 2" BLOW-OFF AFTER WM CLEARANCE CONNECT TO EXIST. 16" WM

1079+78.75 90.01 L
F&I 16"-45^ HOR. BEND

PROPOSED R/W

F&I TEMP. END CAP & 2" BLOW-OFF AFTER WM CLEARANCE CONNECT TO EXIST. 6" WM

HUNTERS GREEN DR.

NOTTINGHAM D

S-401

S-403

18" RCP

CONSTRUCT 160 LF± DIRECTIONAL BORE OF 16" CASING HDPE DR-11 W/ 170 LF± 8" CARRIER HDPE DR-11 & (2) SOLID SLEEVE REPAIR COUPLING

16" DIP WM
LEE COUNTY
TO BE REMOVED

EXIST. R/W

30" DIP FM
LEE COUNTY

18" RCP

10" PVC SAN. SEWER
LEE COUNTY

16" DIP WM
LEE COUNTY

CONSTRUCT 140 LF± DIRECTIONAL BORE OF 30" CASING HDPE DR-11 W/ 150 LF± 16" CARRIER HDPE DR-11 & (2) SOLID SLEEVE REPAIR COUPLING

6" ASBESTOS CONC. WM
LEE COUNTY
TO BE REMOVED

EXIST. R/W

CONST. ORTIZ AVE.

10" PVC SAN. SEWER
LEE COUNTY
TO REMAIN

6" ABANDONED PVC WM
LEE COUNTY

15" PVC SAN. SEWER
LEE COUNTY

10" PVC SAN. SEWER
LEE COUNTY

1079+90.00 53.00 R
F&I 24"X24"X16" TEE

1080+00.00 53.00 R
F&I 24" GATE VALVE

30" CONC. RAW WM
CITY OF FT. MYERS

1082+67.47 68.29 R
F&I 8"-22.5^ VERT. BEND

1082+67.47 72.04 R
F&I 8"-45^ HOR. BEND

PROP. 42" STEEL CASING

S-400

S-402

1" = 40'

PROPOSED 24" WM
LEE COUNTY

1077+30.00 52.42 R
F&I 24"x16" REDUCER

EXIST. R/W

EX. 12" WM
TO BE REMOVED

1079+75.03 69.59 R
F&I 16"-22.5^ VERT. BEND

1079+75.03 73.34 R
F&I 16"-90^ HOR. BEND

1079+90.00 58.23 R
F&I 16"-GATE VALVE

1079+90.00 65.00 R
F&I 16"-45^ VERT. BEND

1079+81.52 73.49 R
F&I 16"-45^ VERT. BEND

12" PVC SAN. SEWER
LEE COUNTY

EXIST. R/W

1082+72.45 77.02 R
F&I 8" TEE

1082+67.82 81.65 R
F&I 8" GATE VALVE

F&I TEMP. 8' PERM END CAP & 2" BLOW-OFF

TERRY ST.

ARD ST.

PROP. GRADE OVER 24" WATER

F&I 24"X24"X16" TEE

F&I 24" GATE VALVE
LEE CNTY. DETAIL 9.2

48" MAX.
30" Min.

EXIST. GROUND OVER 24" WATER

TOP 17.2

F&I 8"-22.5^ HOR. BEND

PROP. 24" DIP PR-250 WM (BLUE STRIPE)

16" WM
TO BE REMOVED

PROP. 24" DIP PR-250 WM (BLUE STRIPE)

F&I 24"x16" REDUCER - ECCENTRIC

12" Min.

F&I 16"-45^ VERT. BEND

COSNTRUCT 80 LF± OF 42" STEEL CASING PIPE

CONSTRUCT 75 LF± OF 42" STEEL CASING PIPE

F&I 16"-45^ VERT. BEND

30" Force Main

CONSTRUCT 160 LF± DIRECTIONAL BORE OF 16" CASING HDPE DR-11 W/ 170 LF± 8" CARRIER HDPE DR-11 & (2) SOLID SLEEVE REPAIR COUPLING

F&I 16"-90^ HOR. BEND

NOTE: EXIST. 16" WM NOT DRAWN IN PROFILE

F&I 8"-45^ VERT. BEND

F&I 8"X8"X8" TEE

1" = 40' HORIZ.
1" = 4' VERT.

20 16 12 8

1078+00 1079+00 1080+00 1081+00 1082+00

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PUBLIC WORKS
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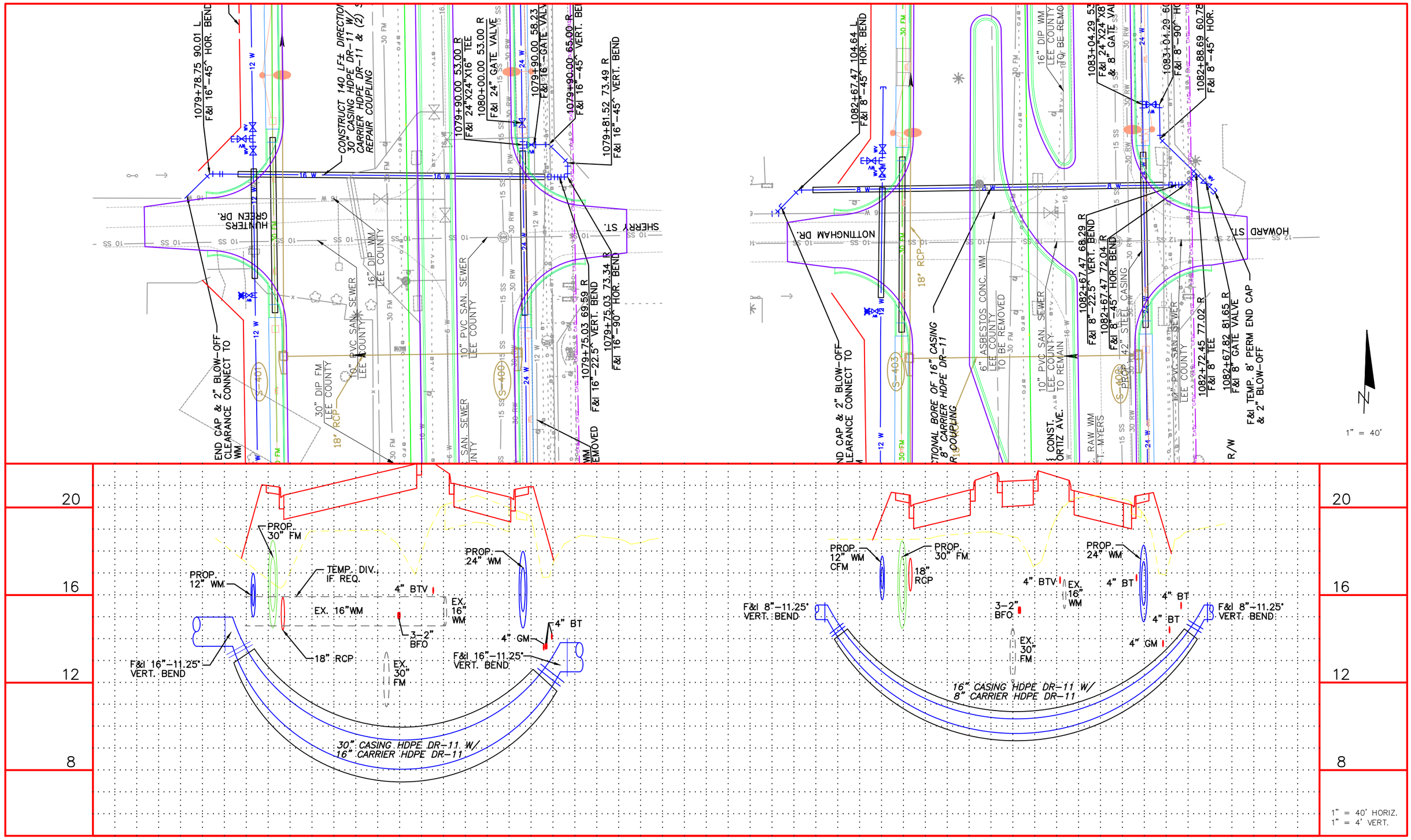
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1077+20.00 TO STA. 1082+80.00

SHEET NO.
20



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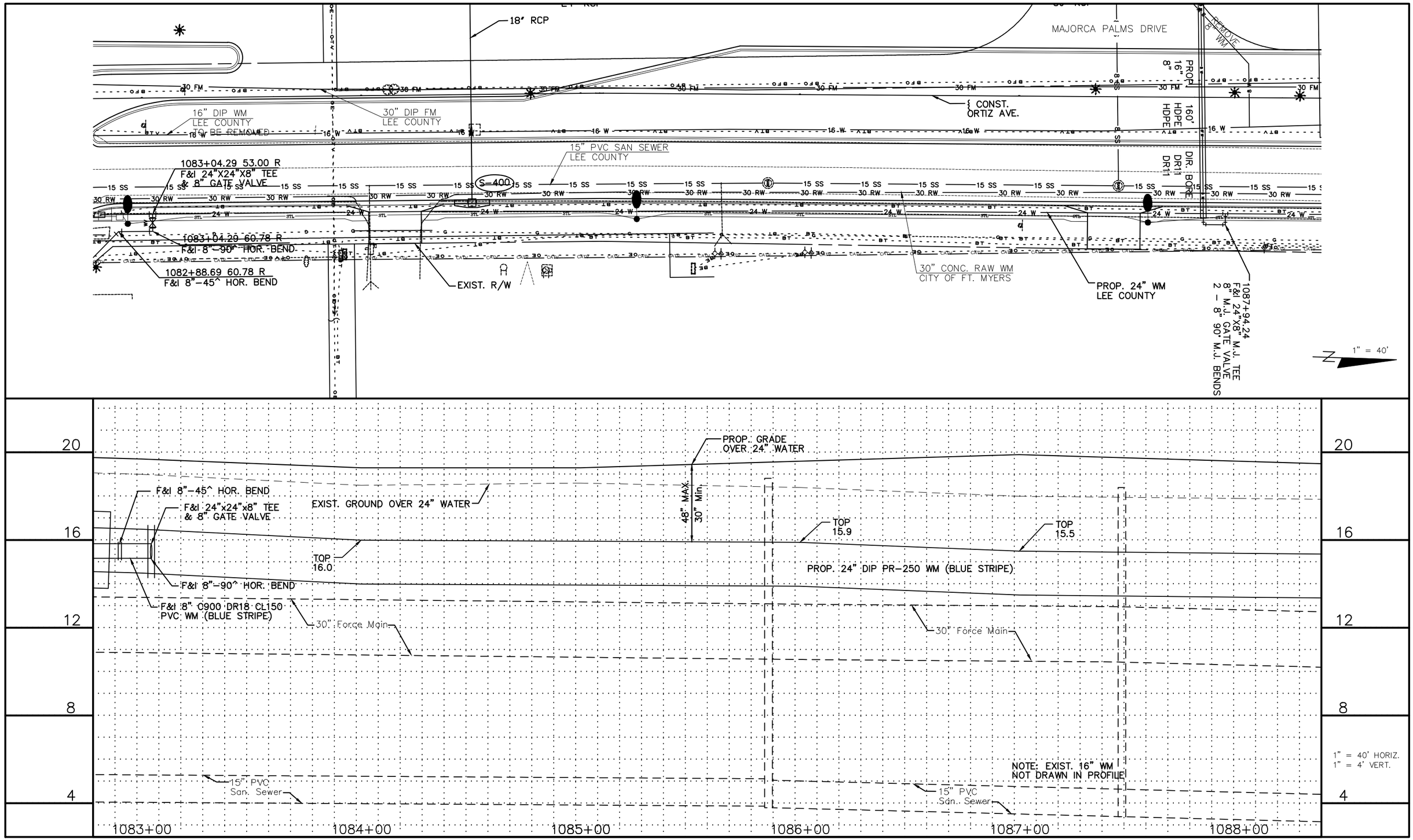
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1077+20.00 TO STA. 1082+80.00

SHEET NO. 20-A



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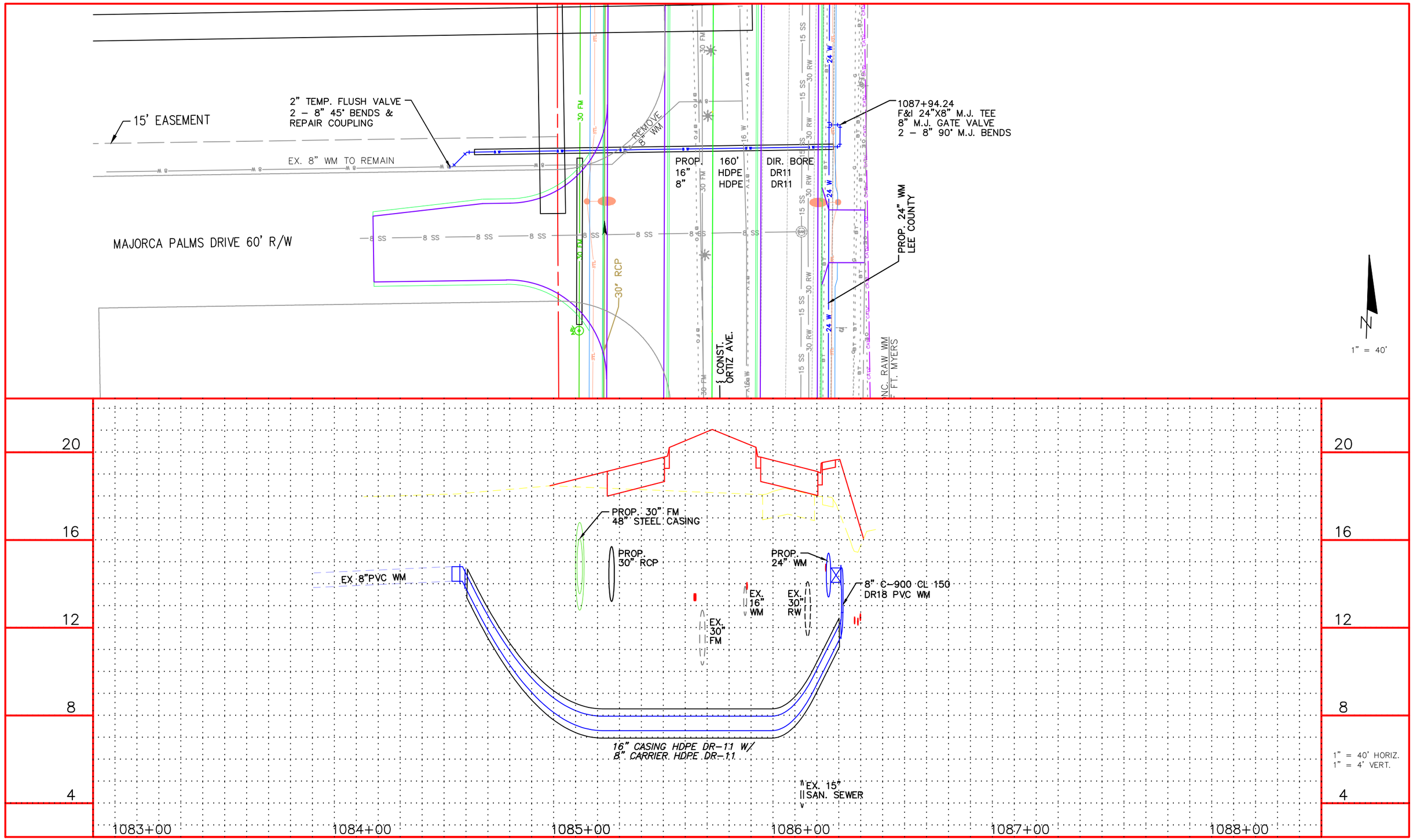
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1082+80.00 TO STA. 1088+40.00

SHEET NO.
21



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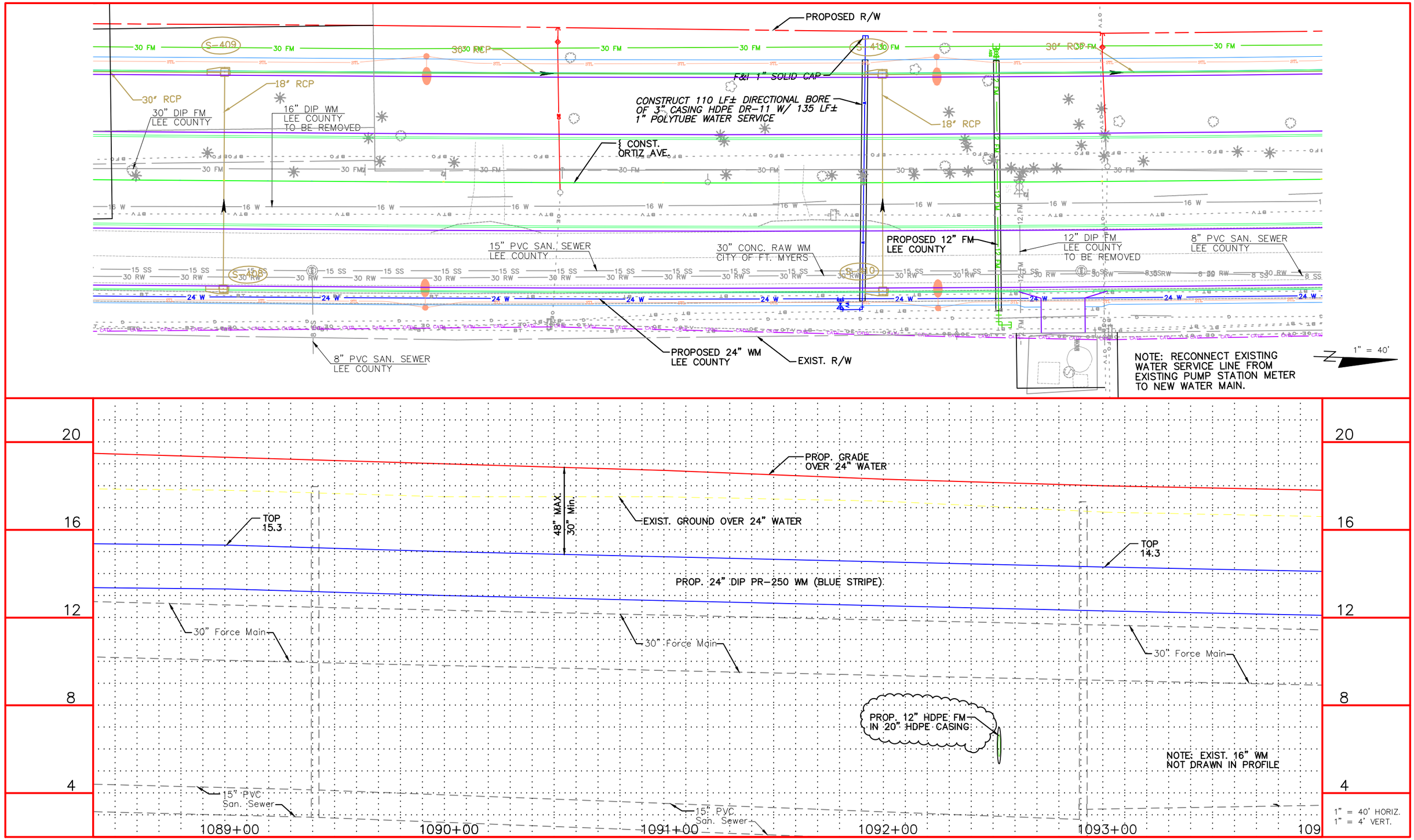
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1082+80.00 TO STA. 1088+40.00

SHEET NO.
21-A



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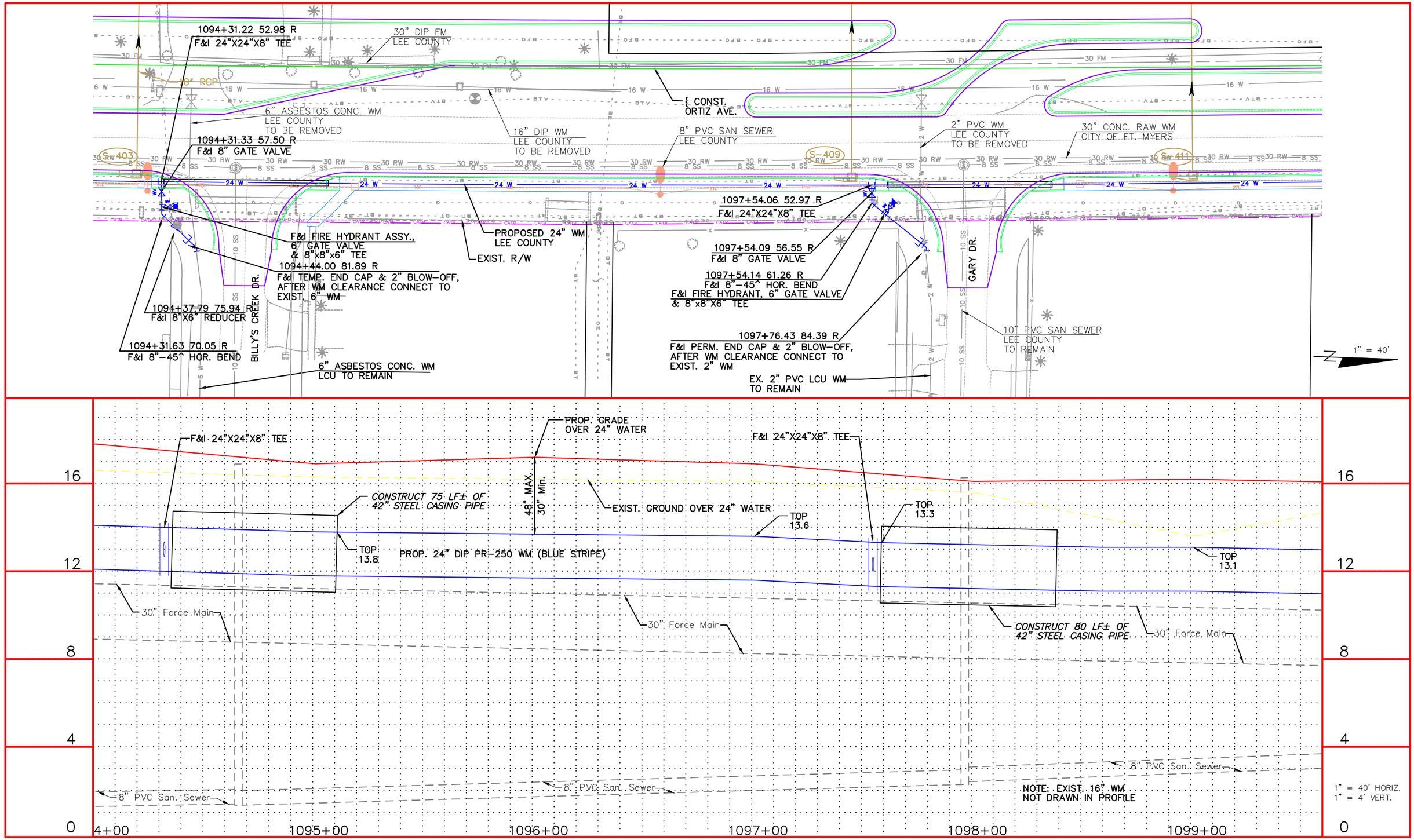
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1088+40.00 TO STA. 1094+00.00

SHEET NO. 22



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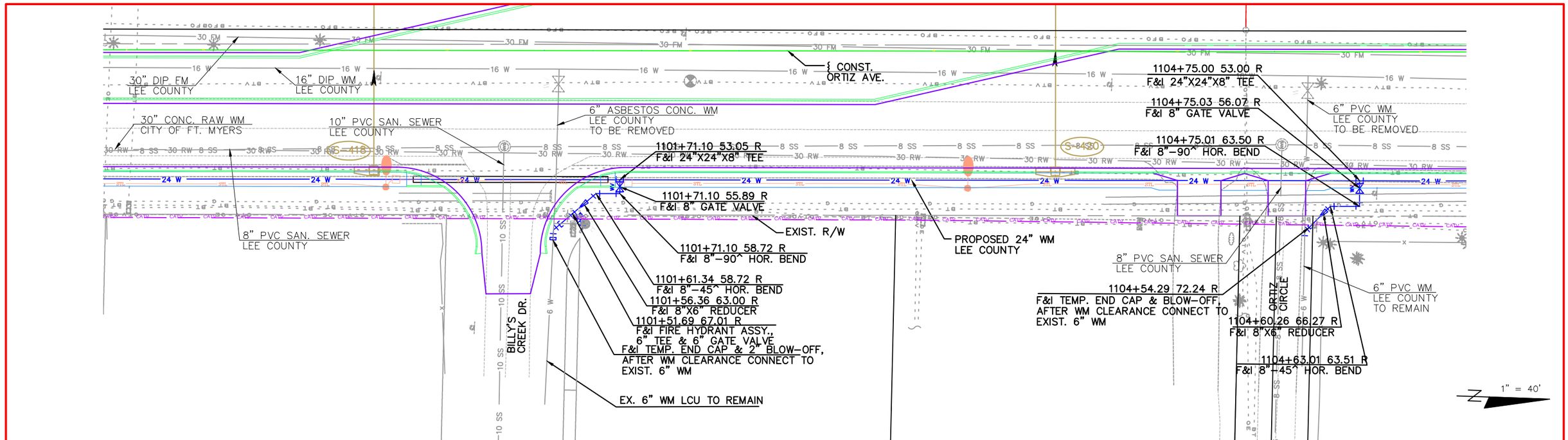
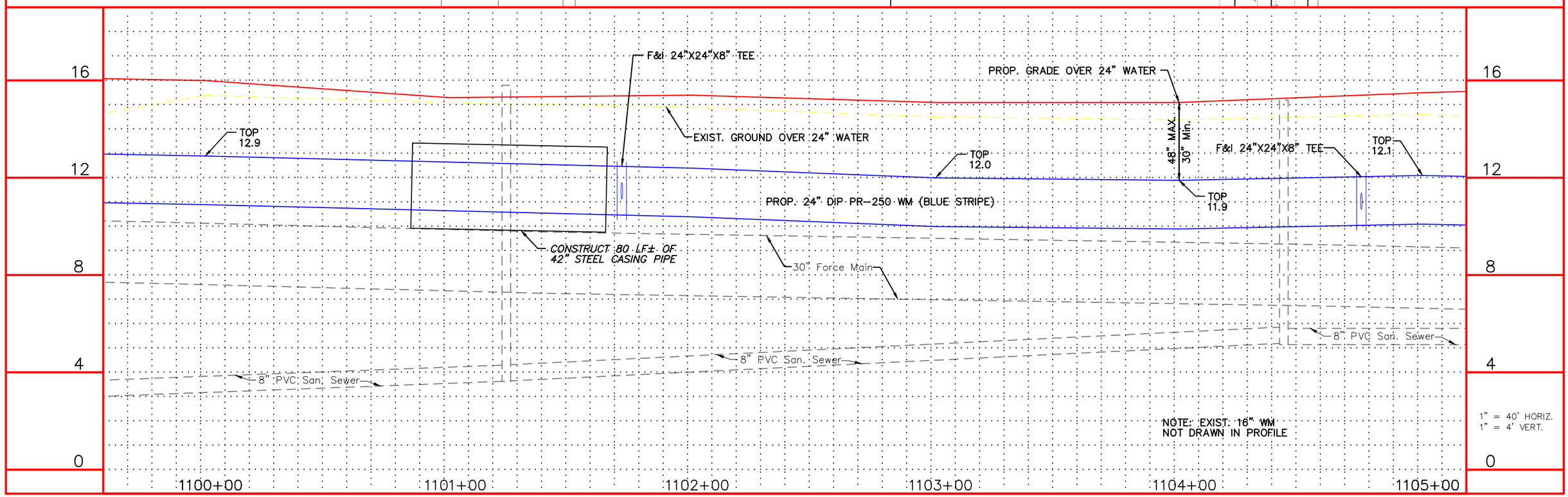
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1094+00.00 TO STA. 1099+60.00

SHEET NO.
23





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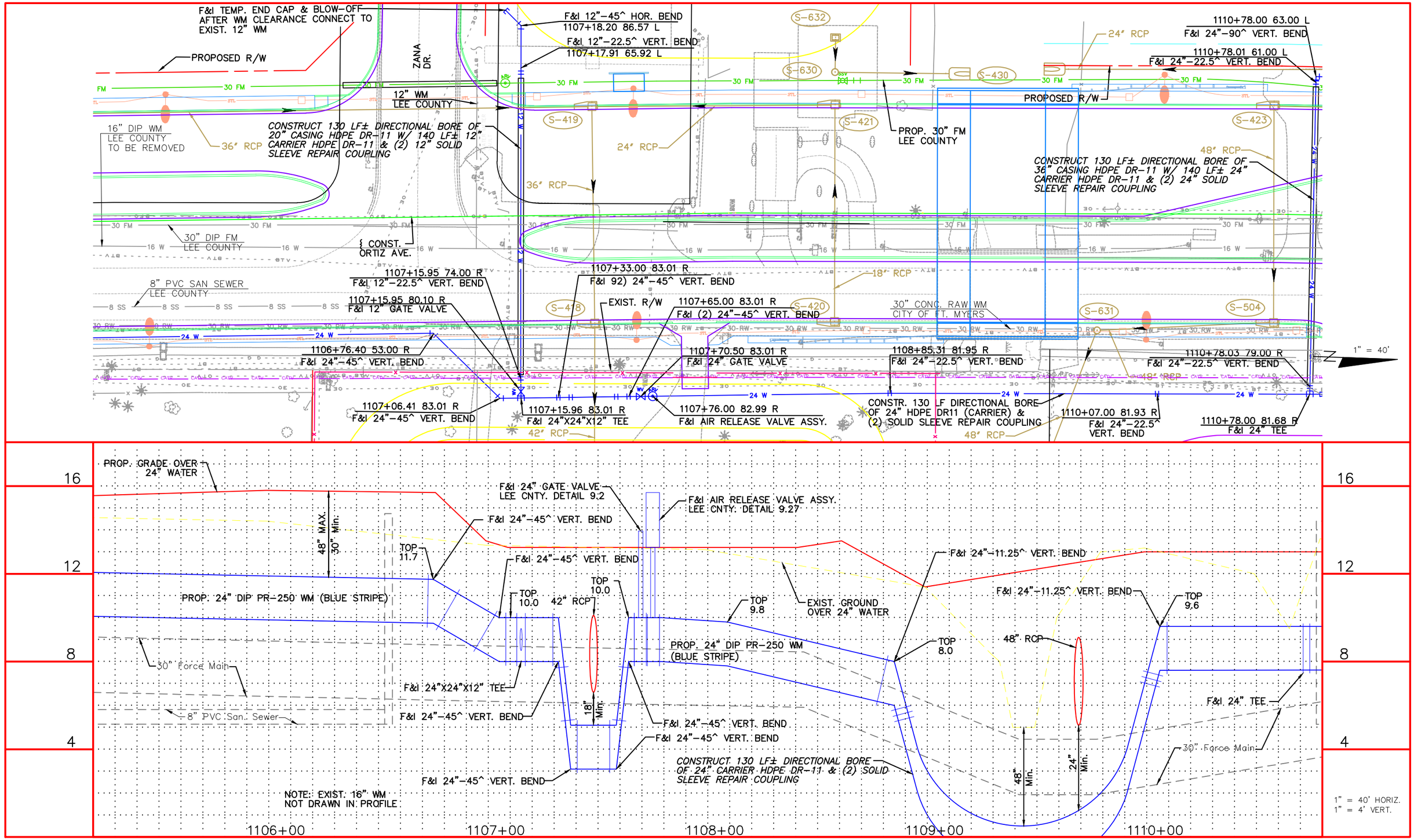
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1099+60.00 TO STA. 1105+20.00

SHEET NO.
24



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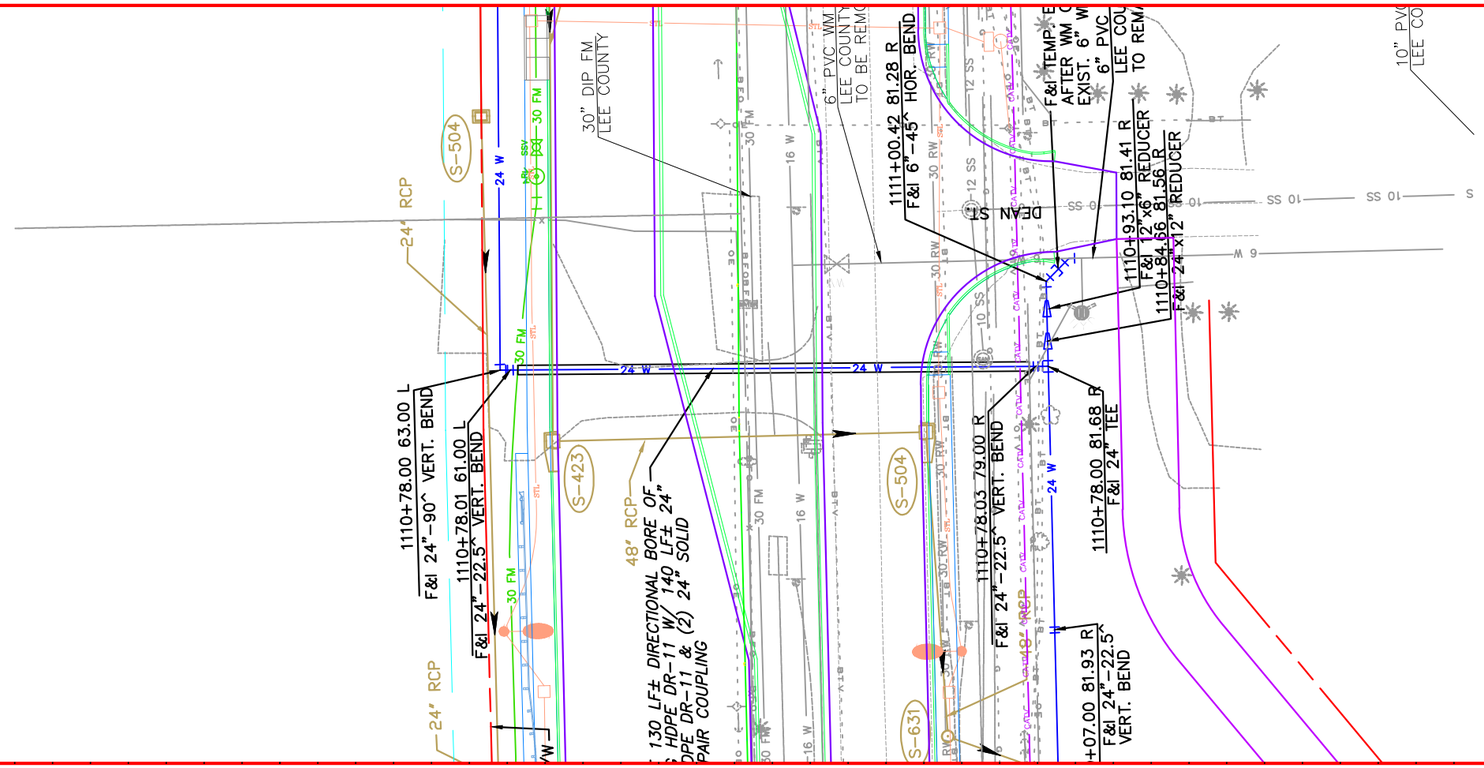
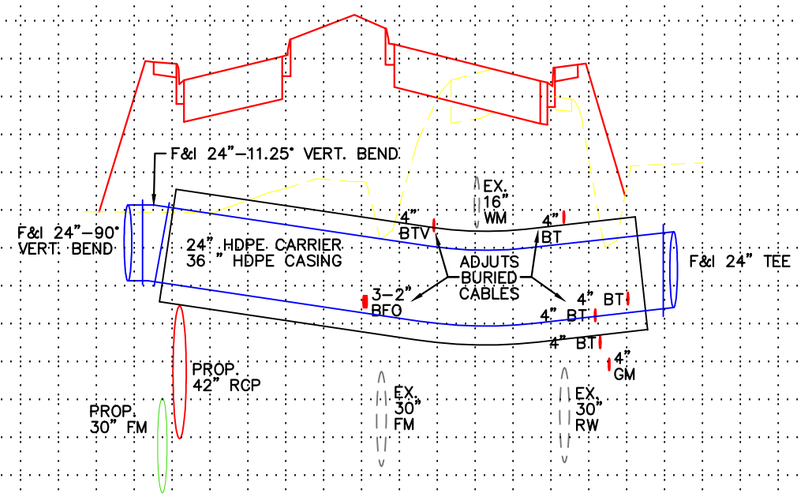
FORT MYERS, FLORIDA 33901

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1105+20.00 TO STA. 1110+80.00

SHEET NO.
25





1" = 40' HORIZ.
1" = 4' VERT.

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LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1110+80.00

SHEET NO. 25-A

24" RCP
S-504
24" RCP
PROPOSED 24" WM
LEE COUNTY
PROPOSED R/W
18" RCP
1115+64.00 63.00 L
F&I 24"X24"X8" TEE
S-509
S-506
42" RCP
S-508
42" RCP
30" DIP FM
LEE COUNTY
24" RCP
PROP. 30" FM
LEE COUNTY
6" PVC WM
LEE COUNTY
TO BE REMOVED
GLENWOOD AVE.
CONST.
ORTIZ AVE.
POT STA. 500+00.00
EXIST. R/W
6" PVC WM
LEE COUNTY
TO BE REMOVED
30" CONC. RAW WM
CITY OF FT. MYERS
16" DIP WM
LEE COUNTY
TO BE REMOVED
12" DIP FM
LEE COUNTY
TO BE REMOVED
8" PVC SAN. SEWER
LEE COUNTY
EXIST. R/W
8" PVC SAN. SEWER
LEE COUNTY
1111+00.42 81.28 R
F&I 6"-45^ HOR. BEND
S-505
DEAN ST.
F&I TEMP. END CAP & 2" BLOW-OFF,
AFTER WM CLEARANCE CONNECT TO
EXIST. 6" WM
6" PVC WM
LEE COUNTY
TO REMAIN
1110+93.10 81.41 R
F&I 12"x6" REDUCER
1110+84.66 81.56 R
F&I 24"x12" REDUCER
12" PVC SAN. SEWER
LEE COUNTY
12" PVC SAN. SEWER
LEE COUNTY
1" = 40'

CONSTRUCT 80 LF± OF
42" STEEL CASING PIPE
PROP. GRADE OVER 24" WATER
EXIST. GROUND OVER 24" WATER
TOP
9.6
48" MAX.
30" Min.
F&I 24"X24"X8" TEE
PROP. 24" DIP PR-250 WM (BLUE STRIPE)
Ex. 12" FM
Temp. Div.
If Req.
8" PVC
San. Sewer
30" Force Main
12" PVC
San. Sewer
12" PVC
San. Sewer
18" PVC
San. Sewer
NOTE: EXIST. 16" WM
NOT DRAWN IN PROFILE
1" = 40' HORIZ.
1" = 4' VERT.

12
8
4
0
1111+00
1112+00
1113+00
1114+00
1115+00
1116+00

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

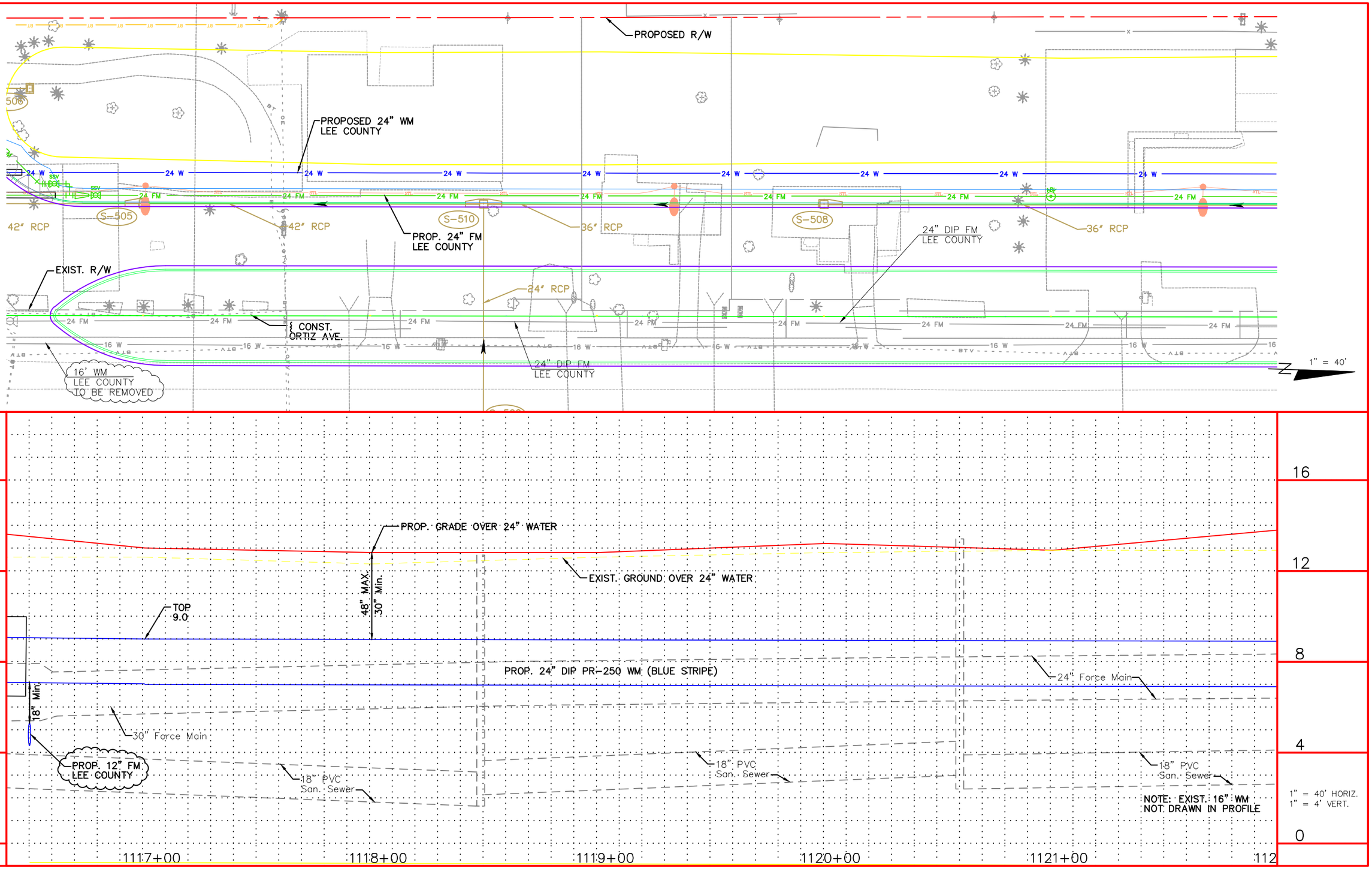
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST
FLORIDA
DEPARTMENT
of
TRANSPORTATION
1500 MONROE STREET
FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1110+80.00 TO STA. 1116+40.00

SHEET NO.
26



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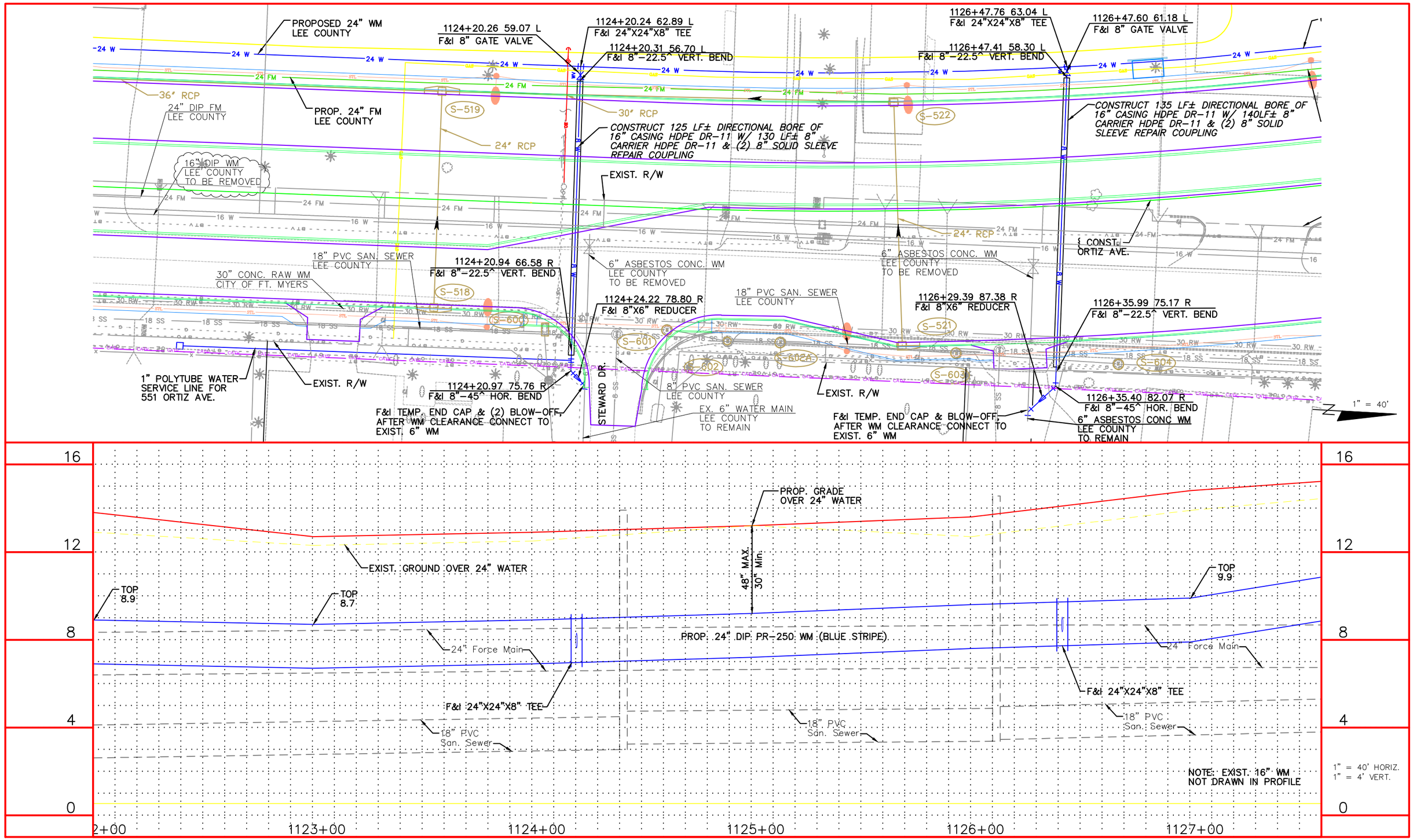
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1116+40.00 TO STA. 1122+00.00

SHEET NO. 27



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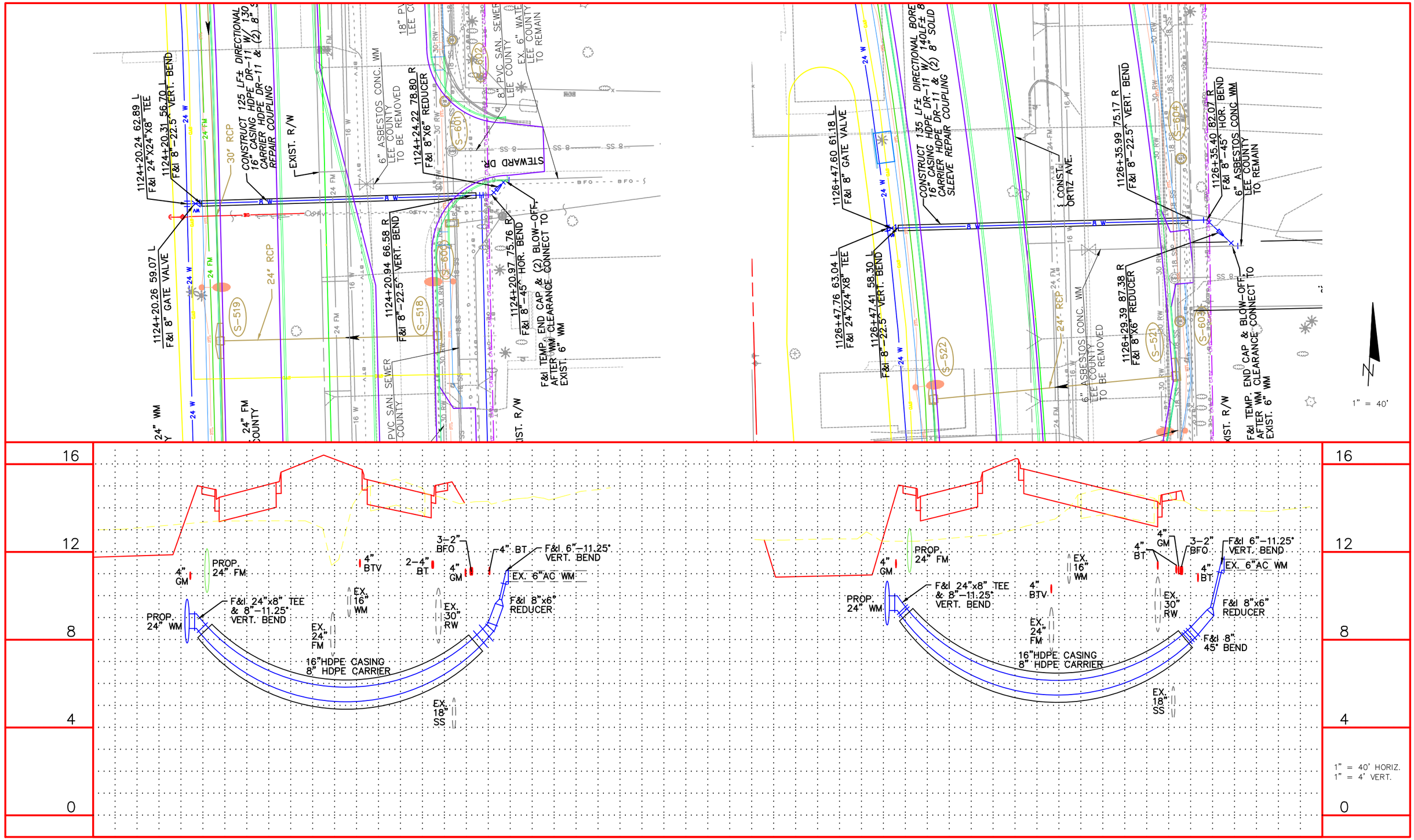
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1122+00.00 TO STA. 1127+60.00

SHEET NO. 28



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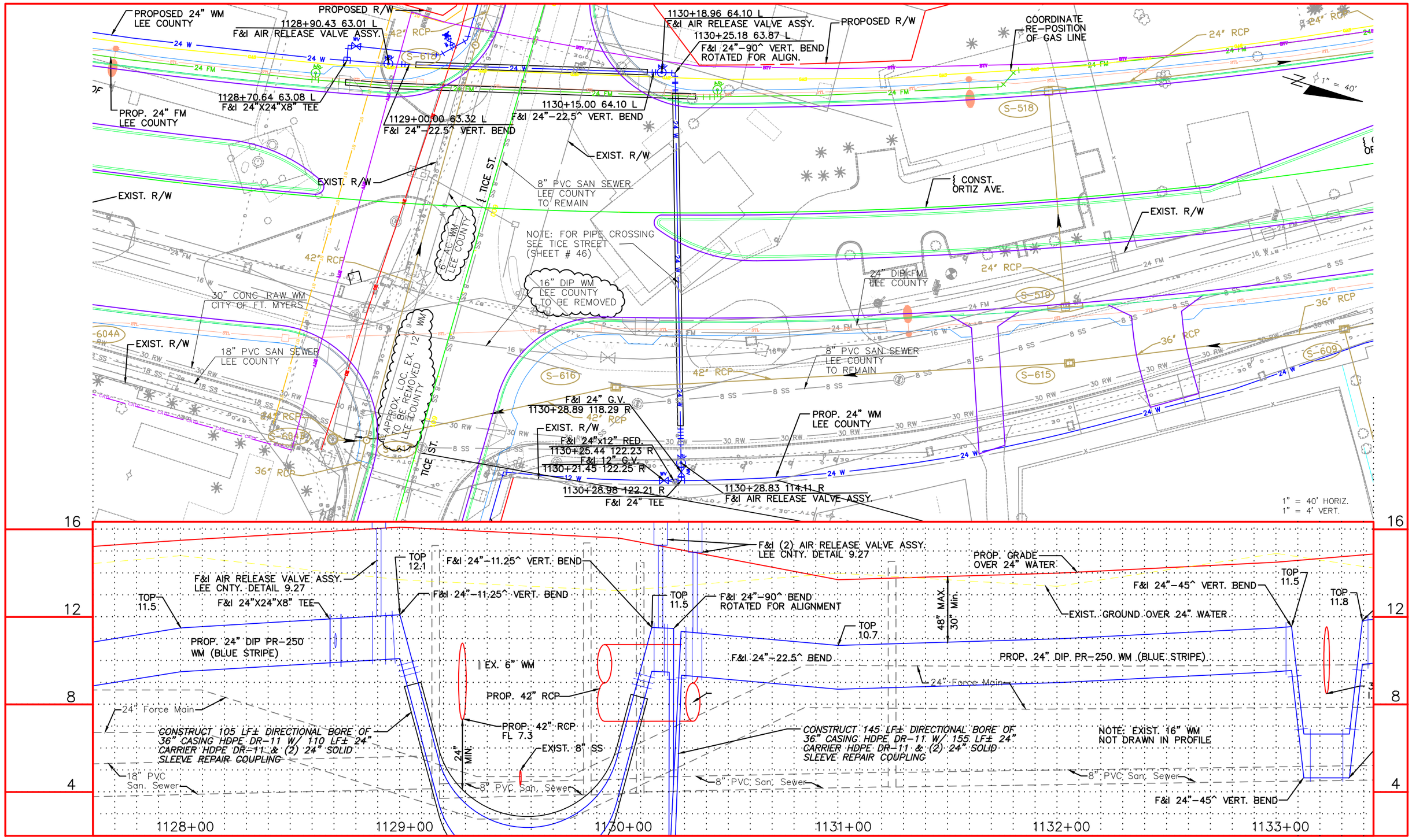
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1124 & STA. 1126

SHEET NO.
28-A



NO.	DATE	BY	REVISIONS – DESCRIPTION
		0	

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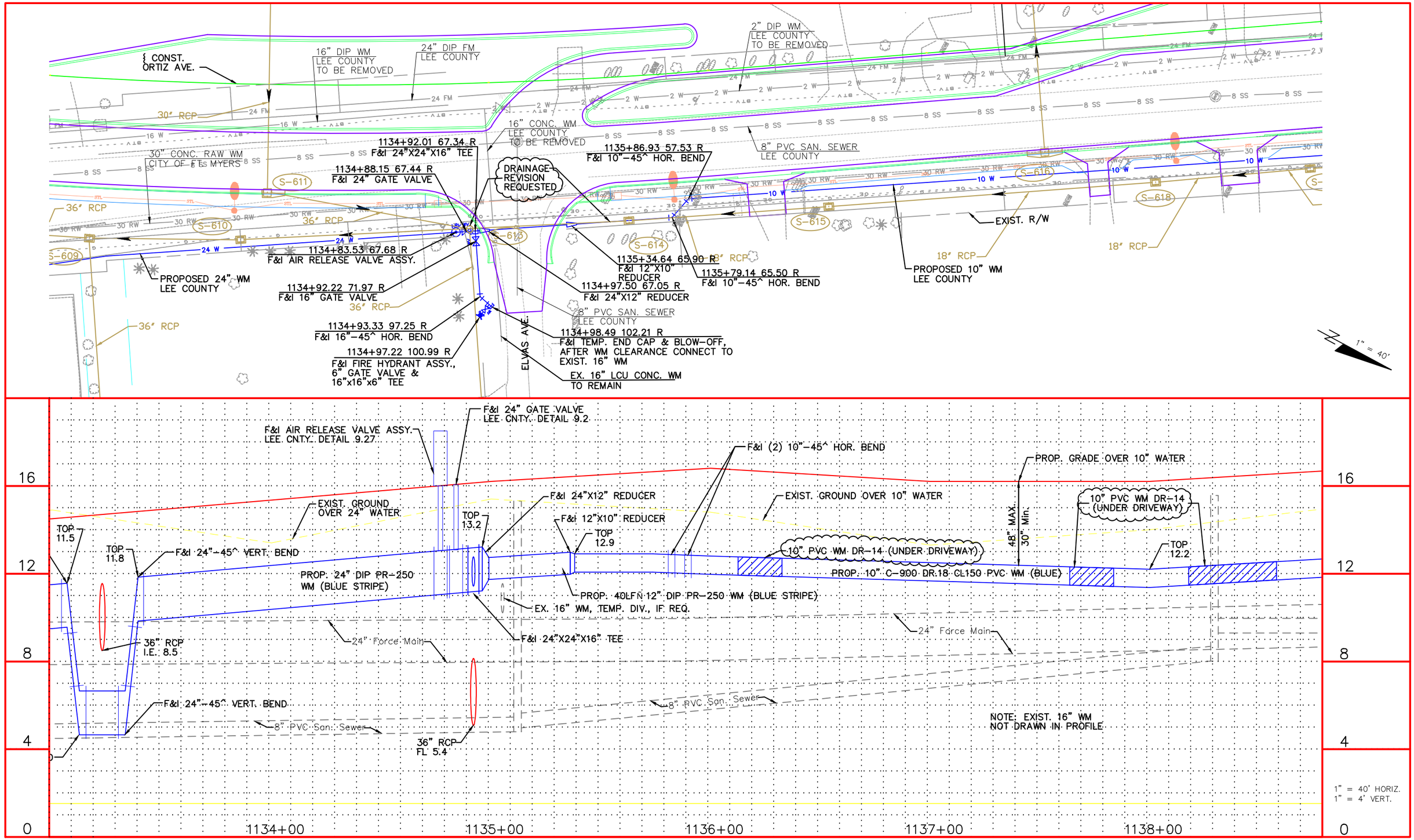
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1127+60.00 TO STA. 1133+20.00

SHEET NO.
29



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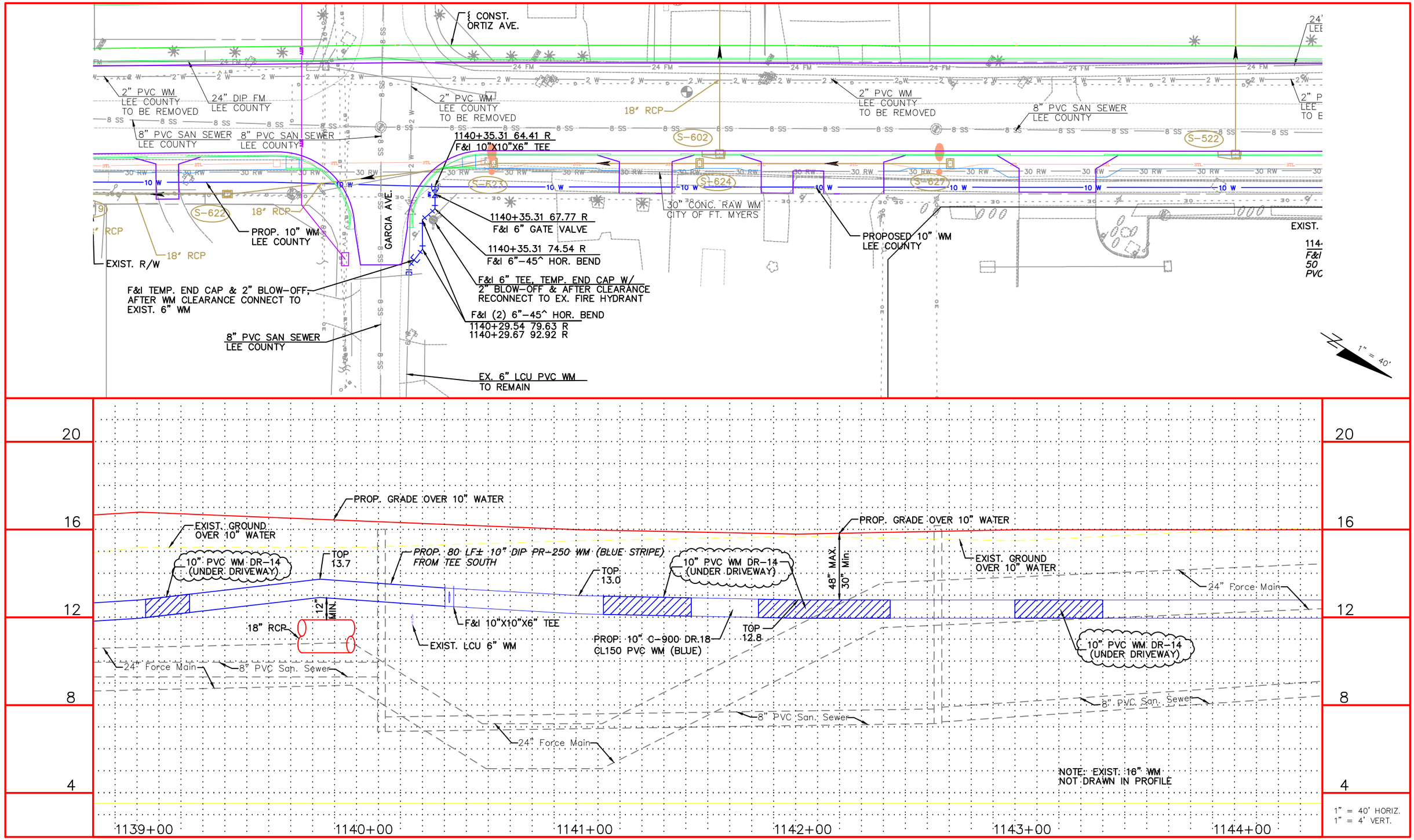
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1133+20.00 TO STA. 1138+80.00

SHEET NO. 30



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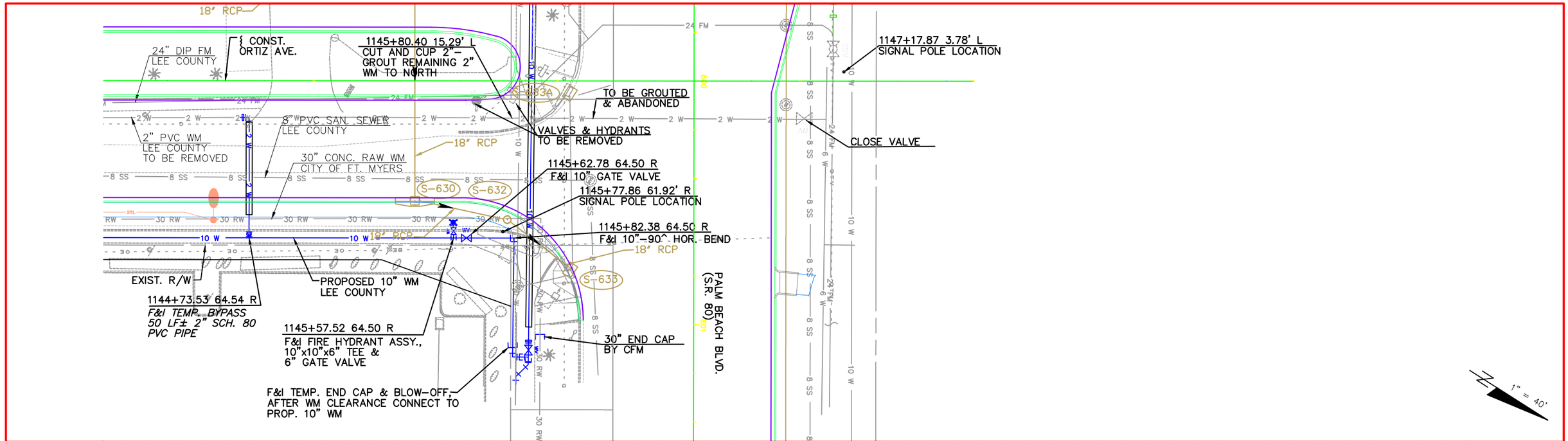
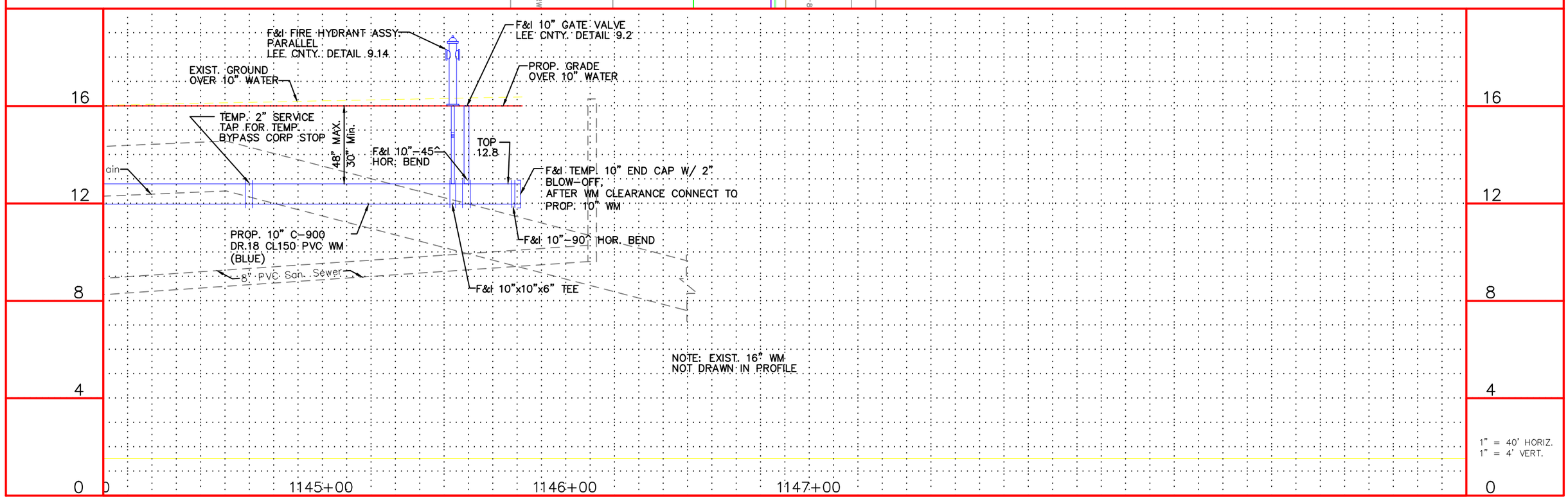
LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1138+80.00 TO STA. 1144+40.00

SHEET NO. 31





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LEE COUNTY WATER ADJUSTMENT SHEETS

STA. 1144+40.00 TO STA. 1147+71.00

SHEET NO. 32

298+90.21 35.02L
F&I 8"-22.5^ VERT. BEND

298+81.52 35.07 L
F&I AIR RELEASE VALVE ASSY.

298+77.26 35.09 L
F&I 8" GATE VALVE

298+69.33 35.14 L
F&I TEMP. END CAP & BLOW-OFF

36" SS
LEE COUNTY
TO REMAIN

8" DIP WM
LEE COUNTY
TO REMAIN

8" DIP WM
LEE COUNTY

F&I 8"-22.5^
VERT. BEND

PROPOSED 12" WM
CITY OF FT. MYERS

CONTRUCT MH

{ BALLARD RD.

16" FM
CITY OF FT. MYERS

8" FM

DRAINAGE REVISION
REQUESTED

16" FM
CITY OF FT. MYERS

16" DIP WM
LEE COUNTY

DR. PIPE
(NEW LOC.)

{ CONST. ORTIZ AVE.

300+76.28 90.29 L
F&I 8"-45^ HOR. BEND

300+55.66 85.68 L
F&I 8" GATE VALVE

300+72.82 64.52 L
F&I (2) 8"-45^ VERT. BEND

300+85.00 52.29 L
F&I 8" TEE

300+95.61 41.65 L
F&I AIR RELEASE VALVE ASSY.

301+01.34 35.89 L
F&I 8" GATE VALVE

301+06.21 31.00 L
F&I 8"-45^ HOR. BEND

300+88.89 48.38 L
F&I (2) 8"-45^ HOR. BEND

300+77.97 45.30 L
F&I 8"-45^ VERT. BEND

30" CONC. RAW WM
CITY OF FT. MYERS

301+80.00 30.77 L
F&I (2) 8"-45^ VERT. BEND

302+07.50 30.66 L
F&I (2) 8"-45^ VERT. BEND

302+12.50 30.64 L
F&I AIR RELEASE VALVE ASSY.

{ BALLARD RD.

DRAINAGE REVISION
REQUESTED

PROP. 8" FM
LEE COUNTY

8" PVC SAN SEWER
LEE COUNTY

8" DIP FM
LEE COUNTY

1" = 40'

N

F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.27

F&I 8"MJ GATE VALVE
LEE CNTY. DETAIL 9.2

PROP. GRADE
OVER 8" WM

F&I TEMP. 8" END CAP W/2" BLOW-OFF.
AFTER WM CLEARANCE CONNECT TO EXIST.
8" WM

EXIST. GROUND
OVER 8" WM

TOP
17.5

EXIST. 8" WM

F&I 8"-11.25^ VERT. BEND

EXIST. 30" FM

EXIST. 36" SS

EXIST.
36" SS
IN 42" DIP

CONSTRUCT 175 LF± DIRECTIONAL BORE OF
16" CASING HDPE DR-11 W/ 185 LF± 8"
CARRIER HDPE DR-11 & (2) SOLID SLEEVE
REPAIR COUPLING

PROP. 12" WM IN 20" CASING
CITY OF FORT MYERS

42" RCP

18" MIN.

F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.27

F&I 8" GATE VALVE
LEE CNTY. DETAIL 9.2

F&I 8"-45^ VERT. BEND

TOP
17.9

36" RCP

36" RCP

TOP
13.5

F&I 8"-45^ HOR. BEND

F&I 8"-45^ VERT. BEND

F&I 8"-45^ VERT. BEND

F&I 8" TEE

F&I 8"-45^ HOR. BEND

F&I 8"-11.25^ VERT. BEND

PROP. 16" WM IN 30" CASING
LEE COUNTY

18" RCP

TOP
17.0

TOP
16.9

48" MAX.
30" Min.

PROP. 8" C-900 DR.18 CL150 PVC WM (BLUE)

F&I 8"-45^ HOR. BEND

F&I 8"-45^ VERT. BEND

F&I 8"-45^ VERT. BEND

F&I 8"-45^ VERT. BEND

F&I 8"-45^ VERT. BEND

F&I 8" CL50 DIP WM (BLUE STRIPE)

F&I AIR RELEASE VALVE ASSY.
LEE CNTY. DETAIL 9.27

24 20 16 12 8

298+00 299+00 300+00 301+00 302+00 303+00

1" = 40' HORIZ.
1" = 4' VERT.

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PUNTA GORDA, FLORIDA 33950
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FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

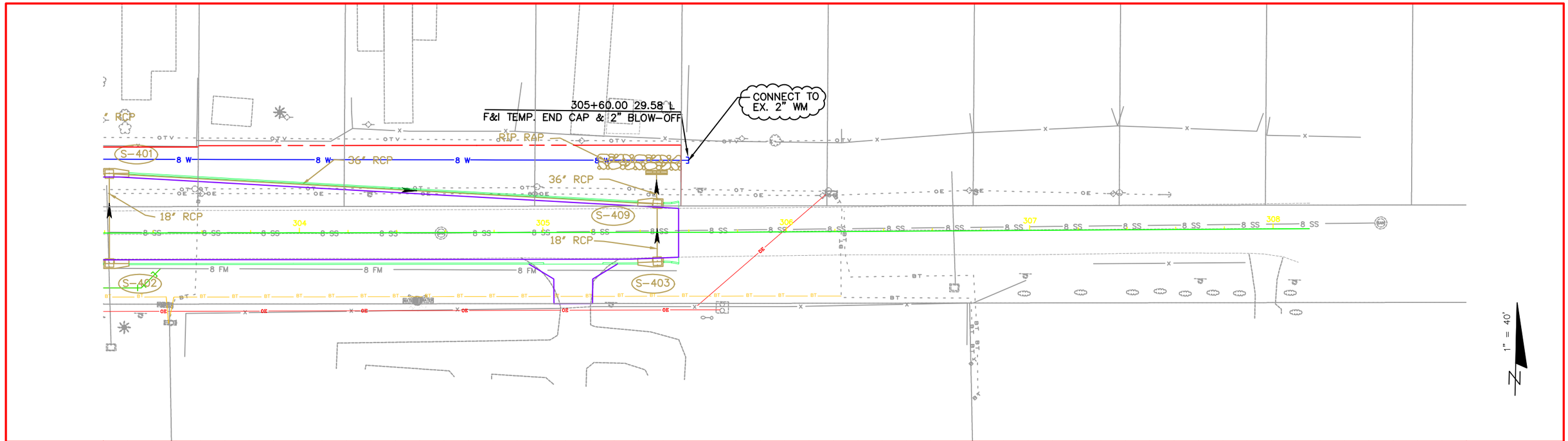
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

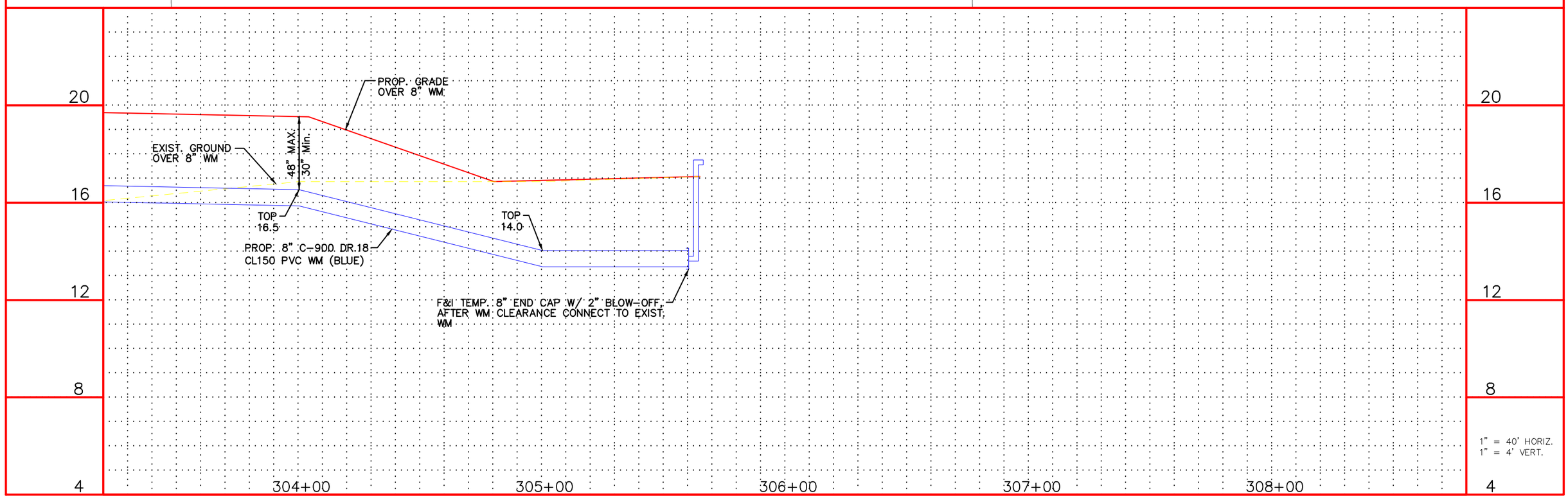
PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

BALLARD ROAD (1)

SHEET NO.
33





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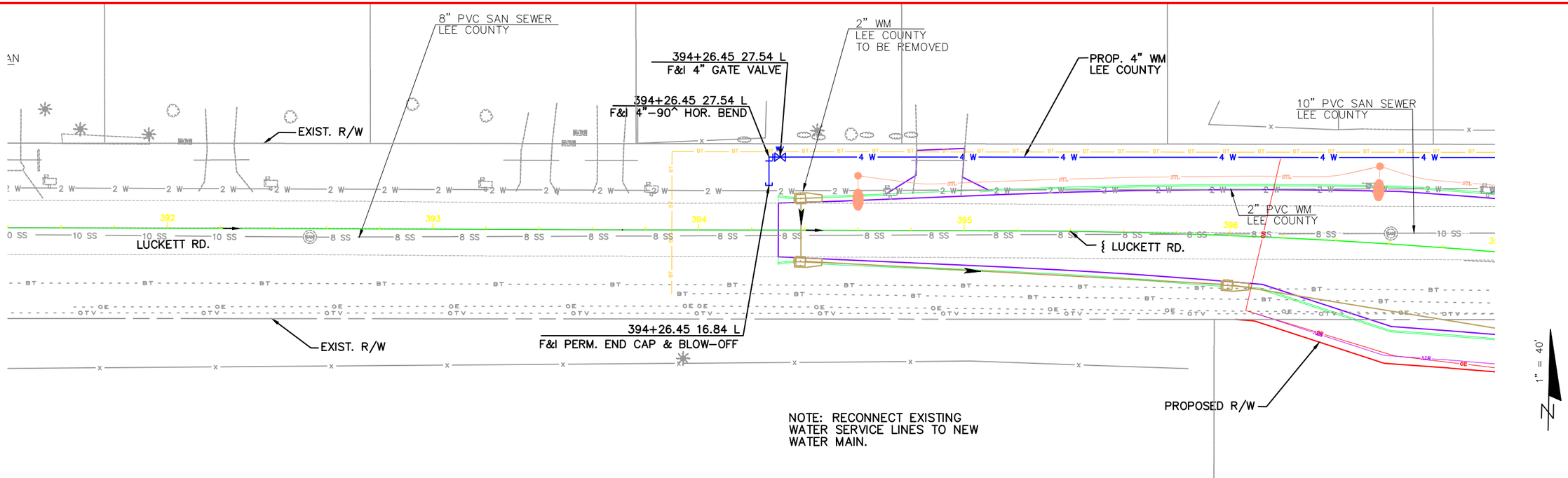
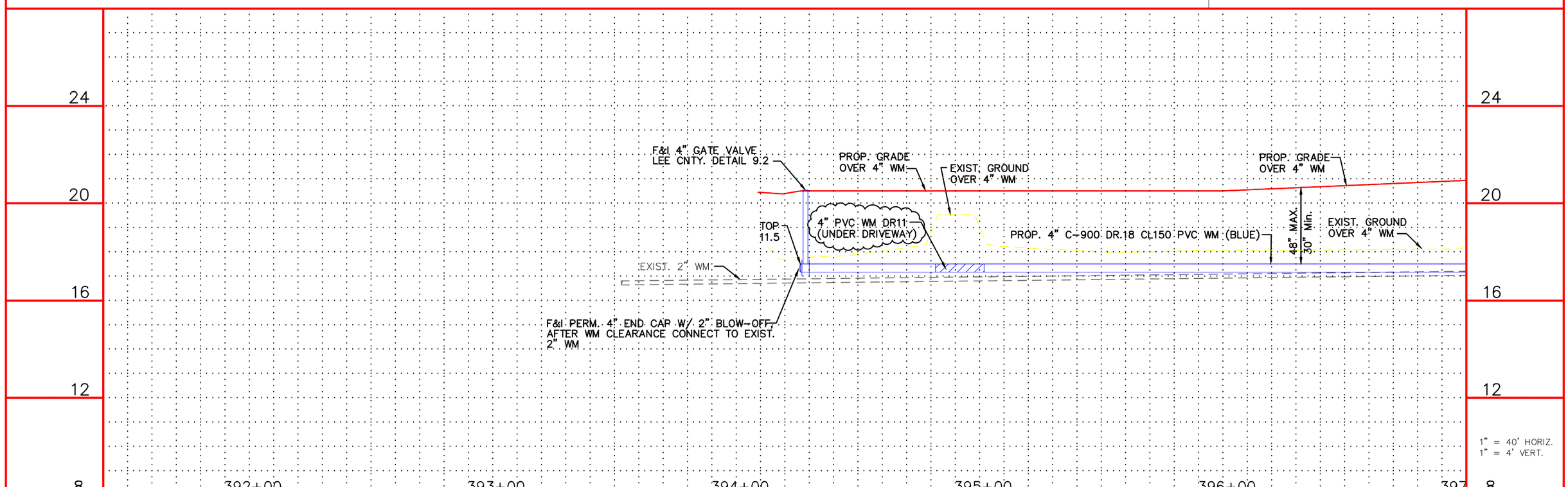
LEE COUNTY WATER ADJUSTMENT SHEETS

BALLARD ROAD (2)

SHEET NO. 34



NOTE: RECONNECT EXISTING WATER SERVICE LINES TO NEW WATER MAIN.



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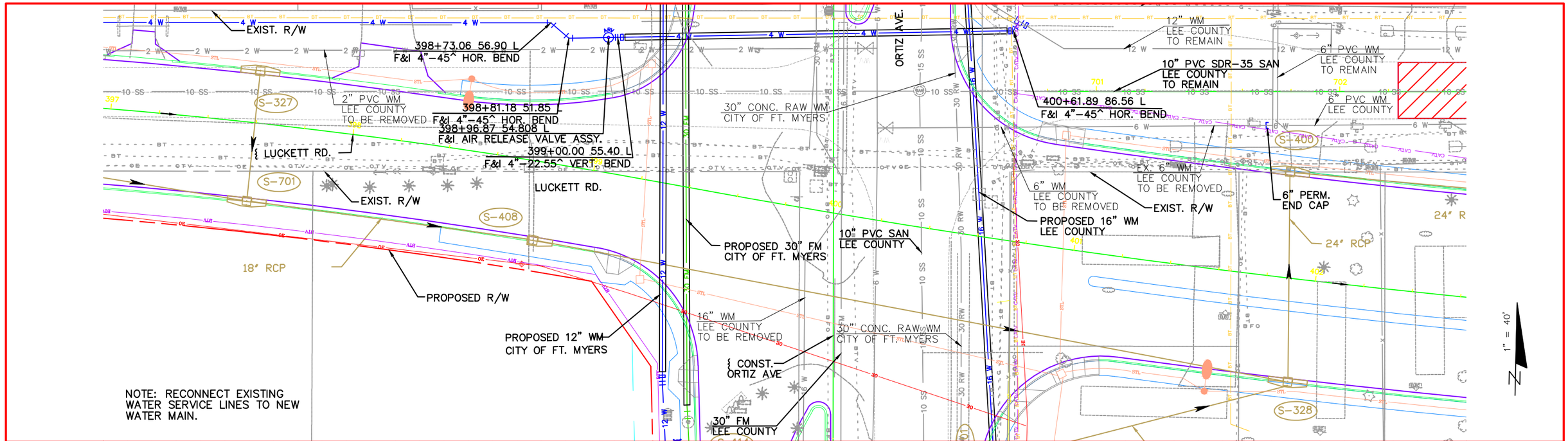
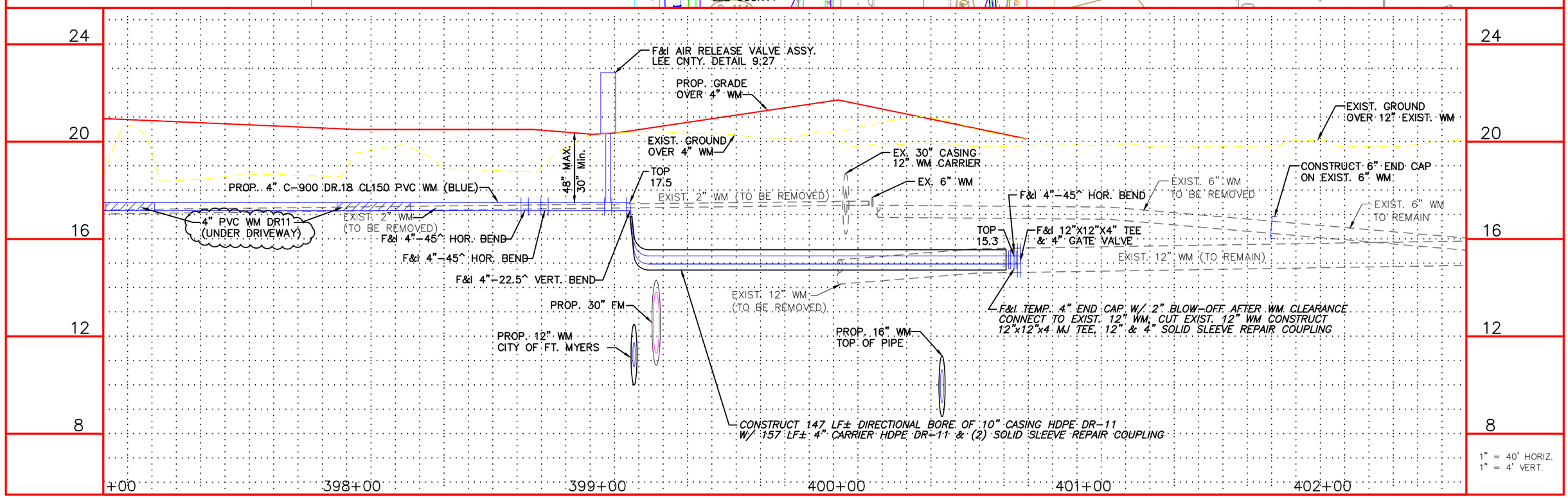
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (1)

SHEET NO. 35





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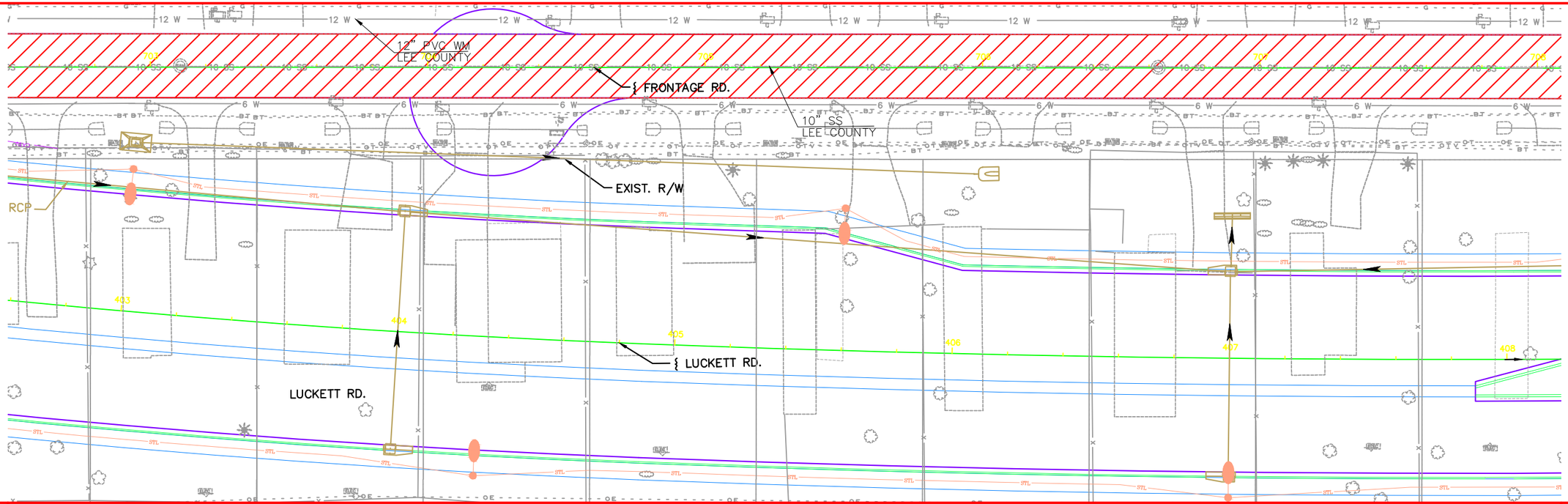
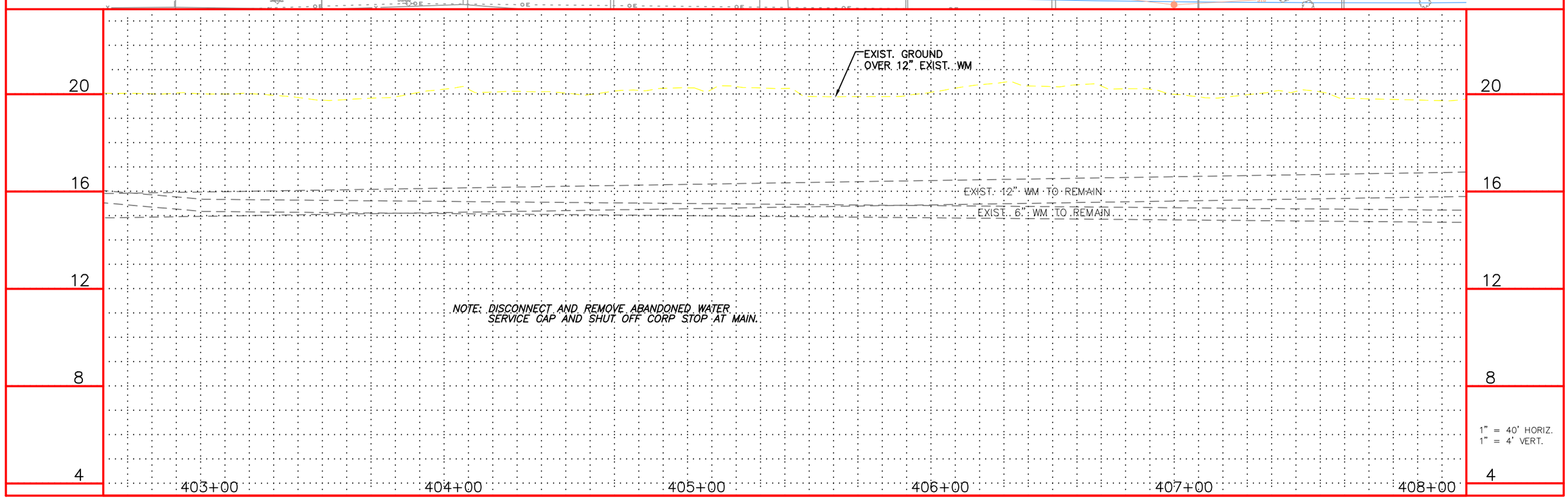
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (2)

SHEET NO. 36





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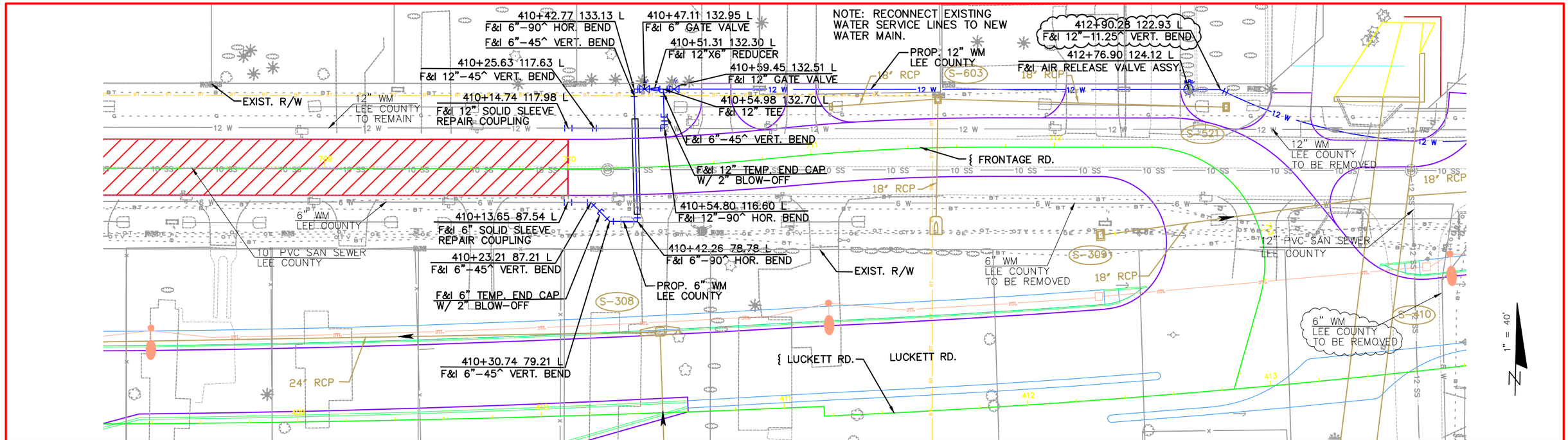
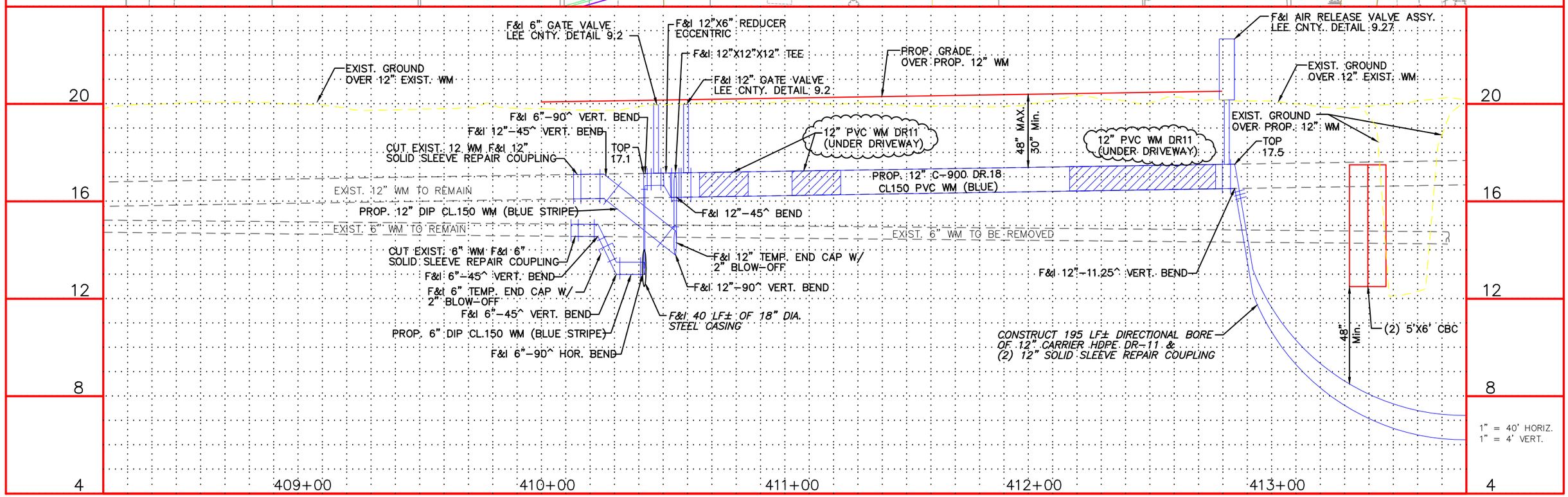
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (3)

SHEET NO. 37





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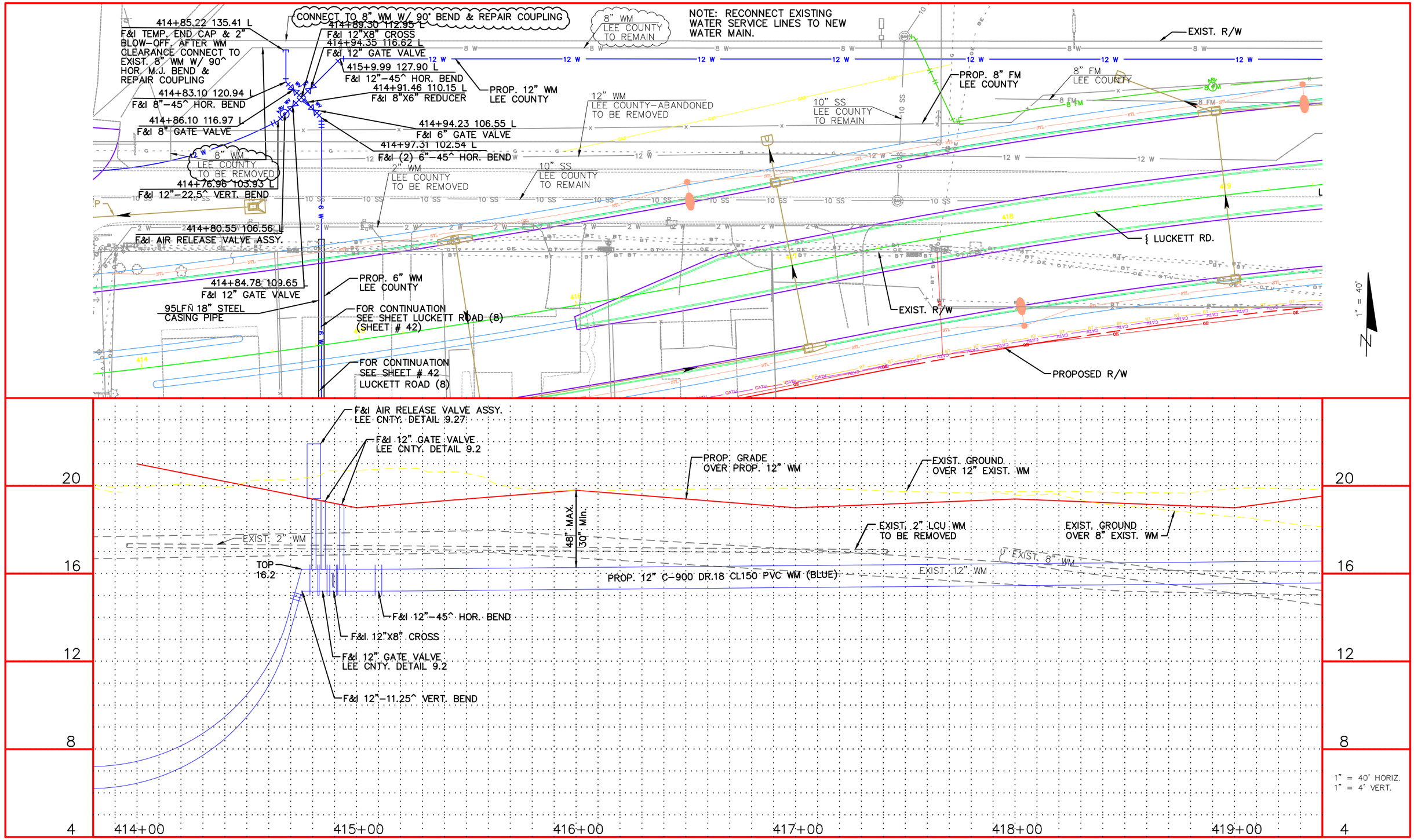
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (4)

SHEET NO. 38



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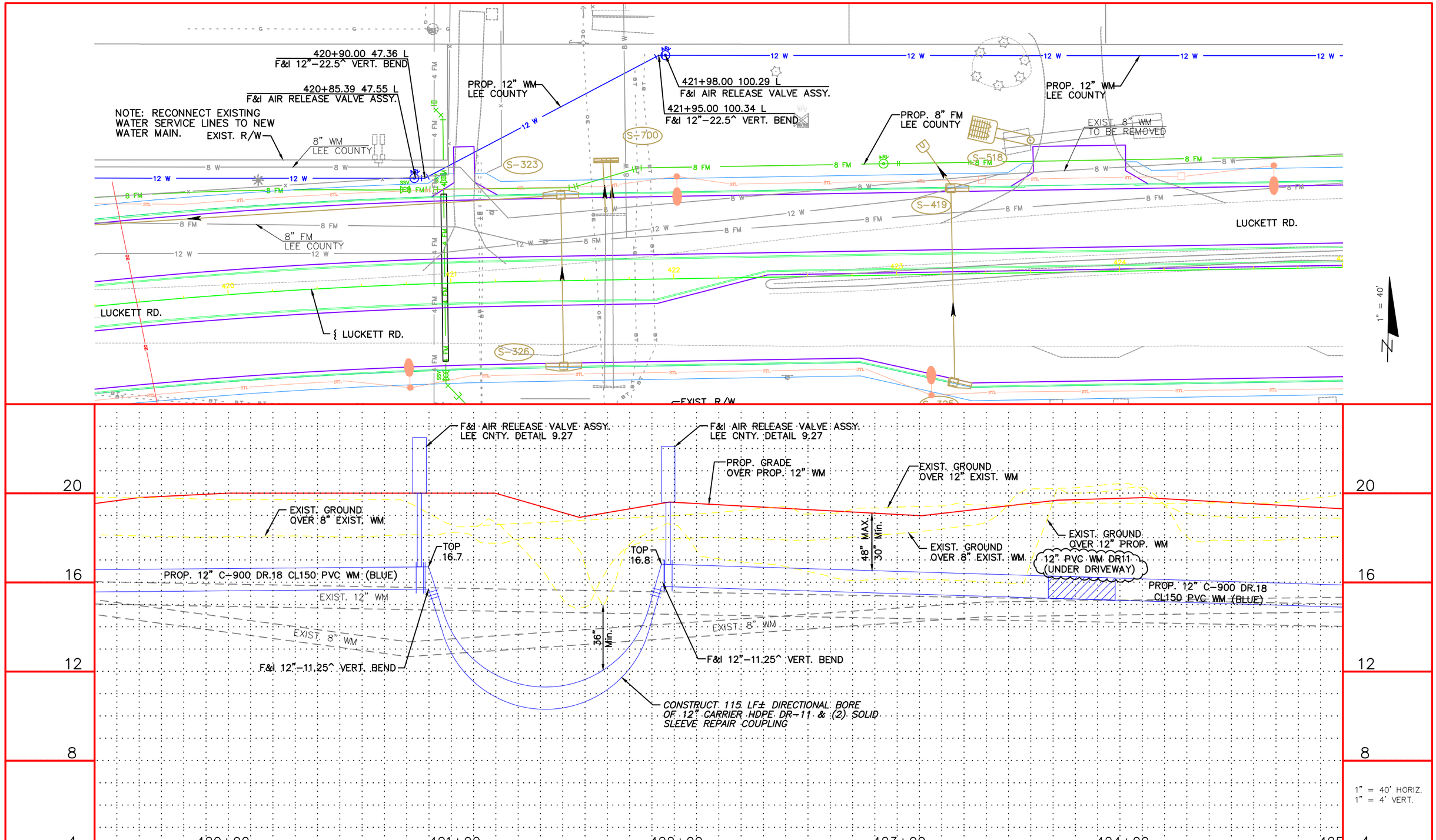
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (5)

SHEET NO. 39



NO.	DATE	BY	REVISIONS - DESCRIPTION

AIM Engineering & Surveying, Inc.
100 MADRID BOULEVARD, SUITE 111
PUNTA GORDA, FLORIDA 33950
TELEPHONE (941) 347-7403
FAX (941) 347-7408
CERTIFICATE OF AUTHORIZATION NO. 3114

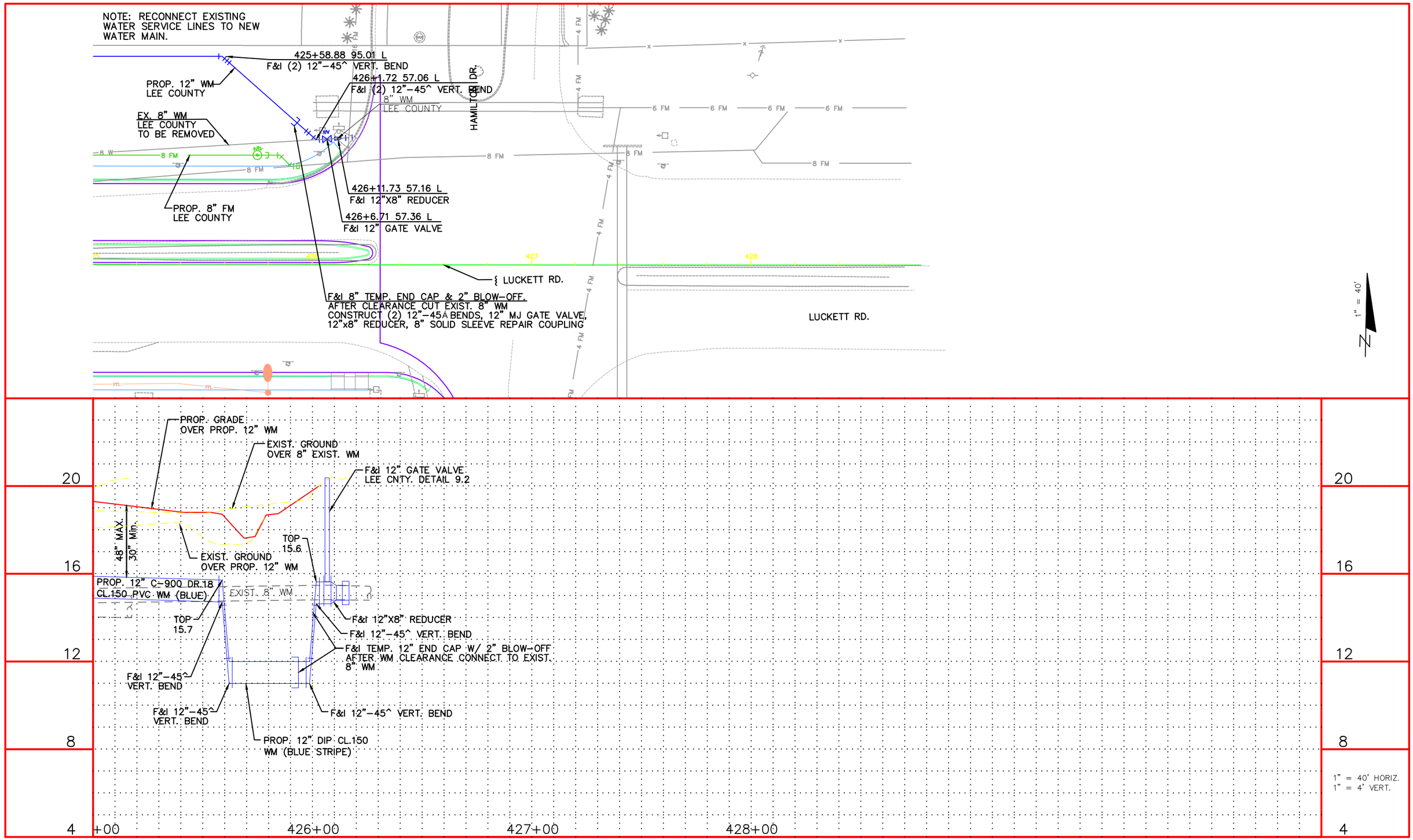
APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (6)

SHEET NO. 40



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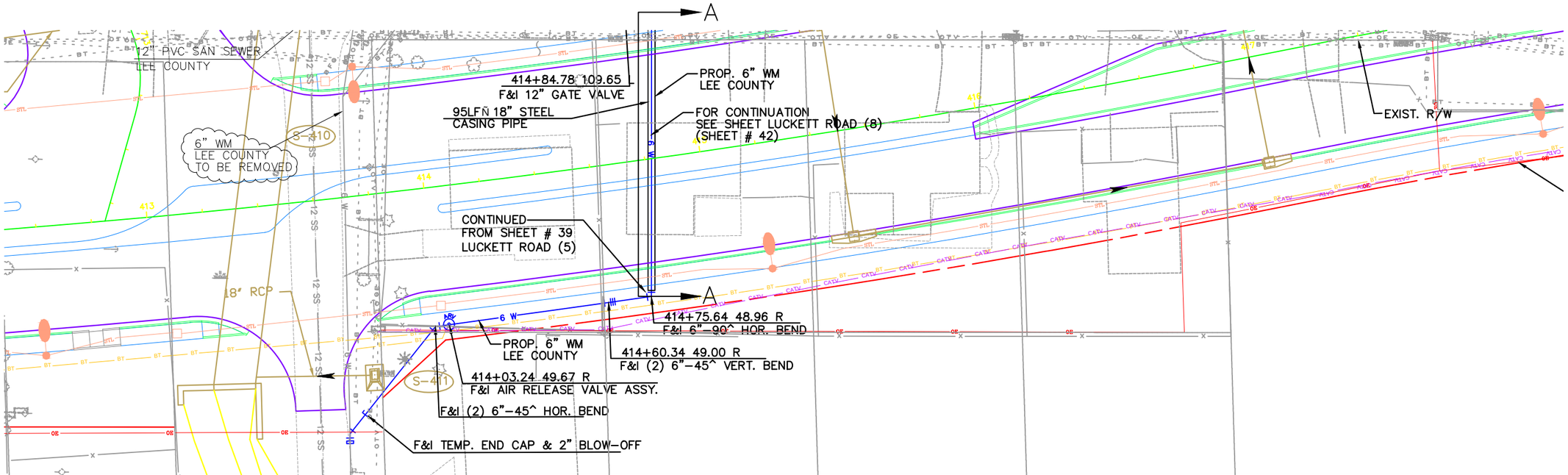
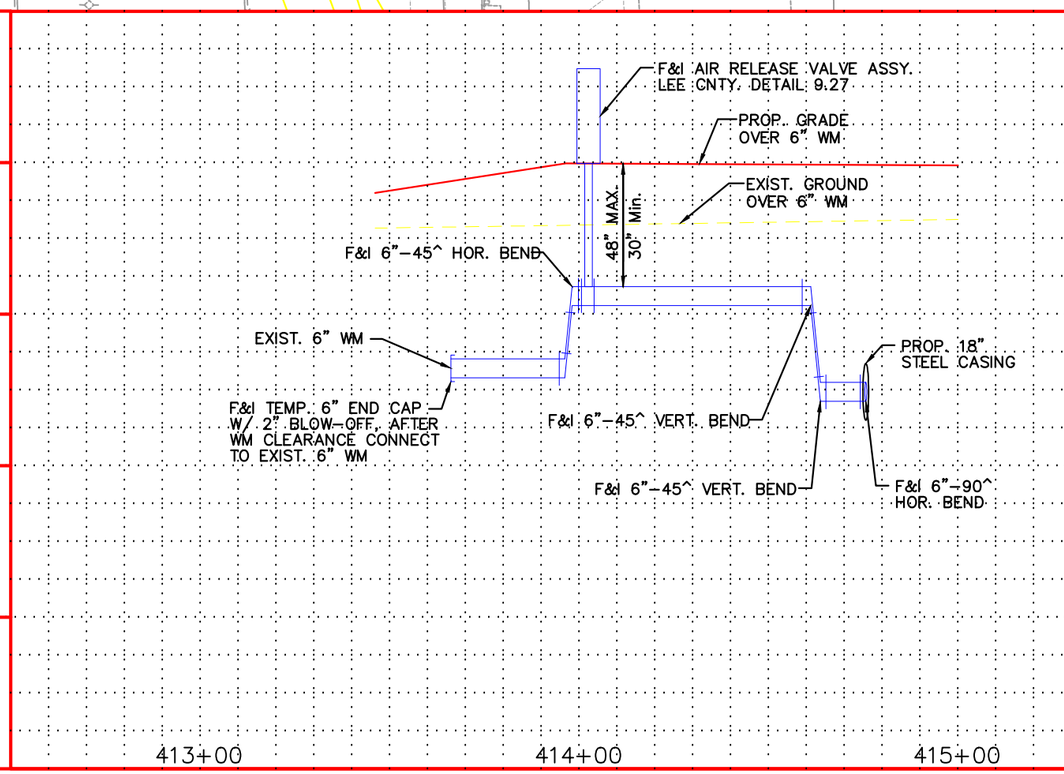
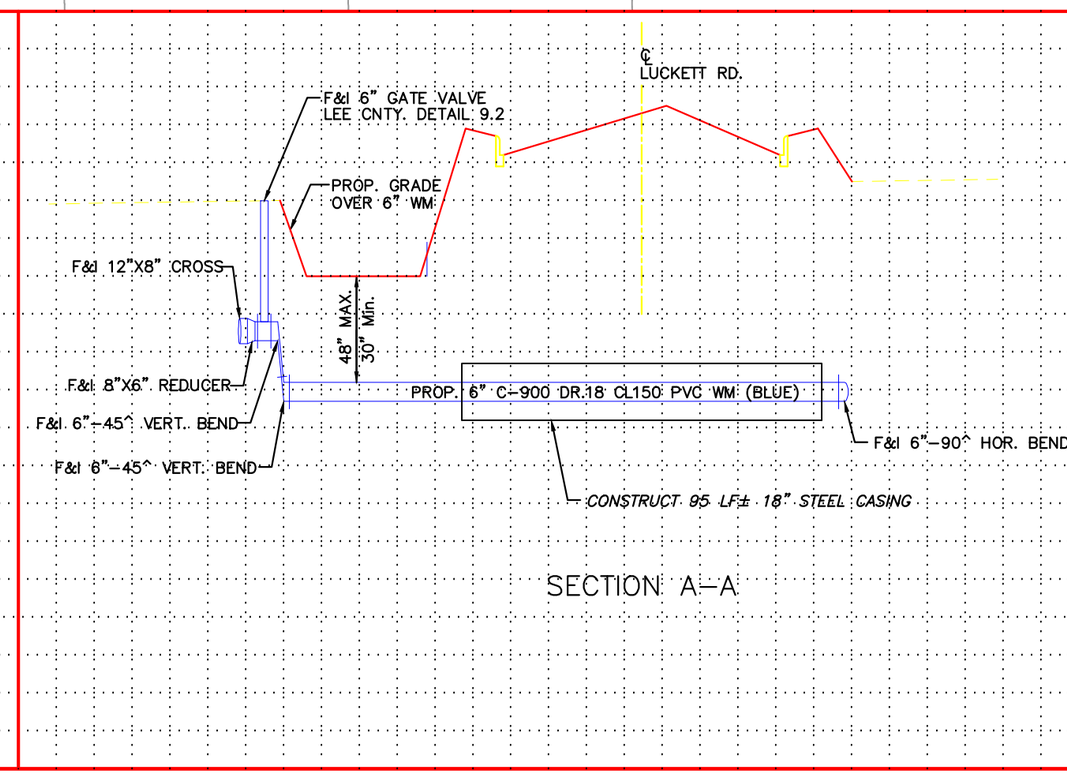
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (7)

SHEET NO.
41







1" = 40' HORIZ.
1" = 4' VERT.

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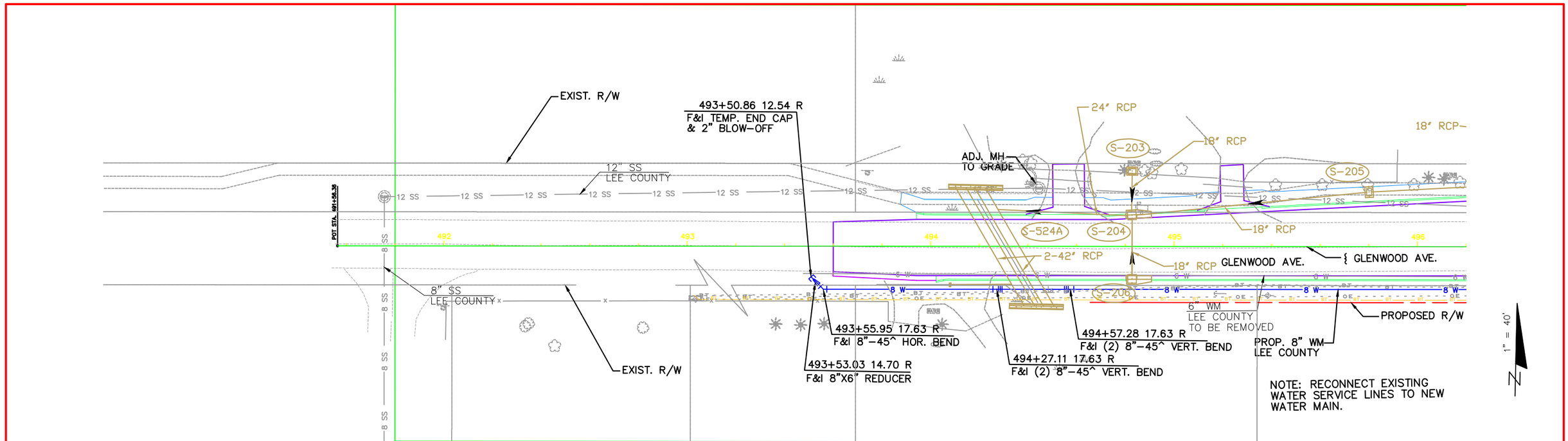
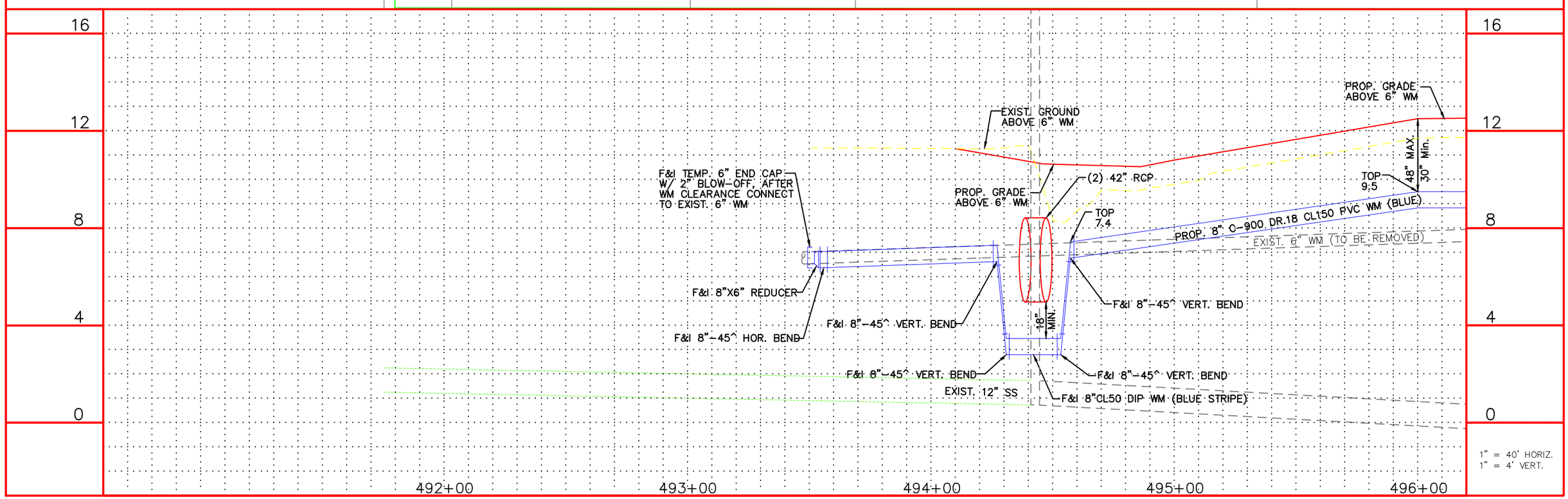
LEE COUNTY WATER ADJUSTMENT SHEETS

LUCKETT ROAD (8)

SHEET NO.
42





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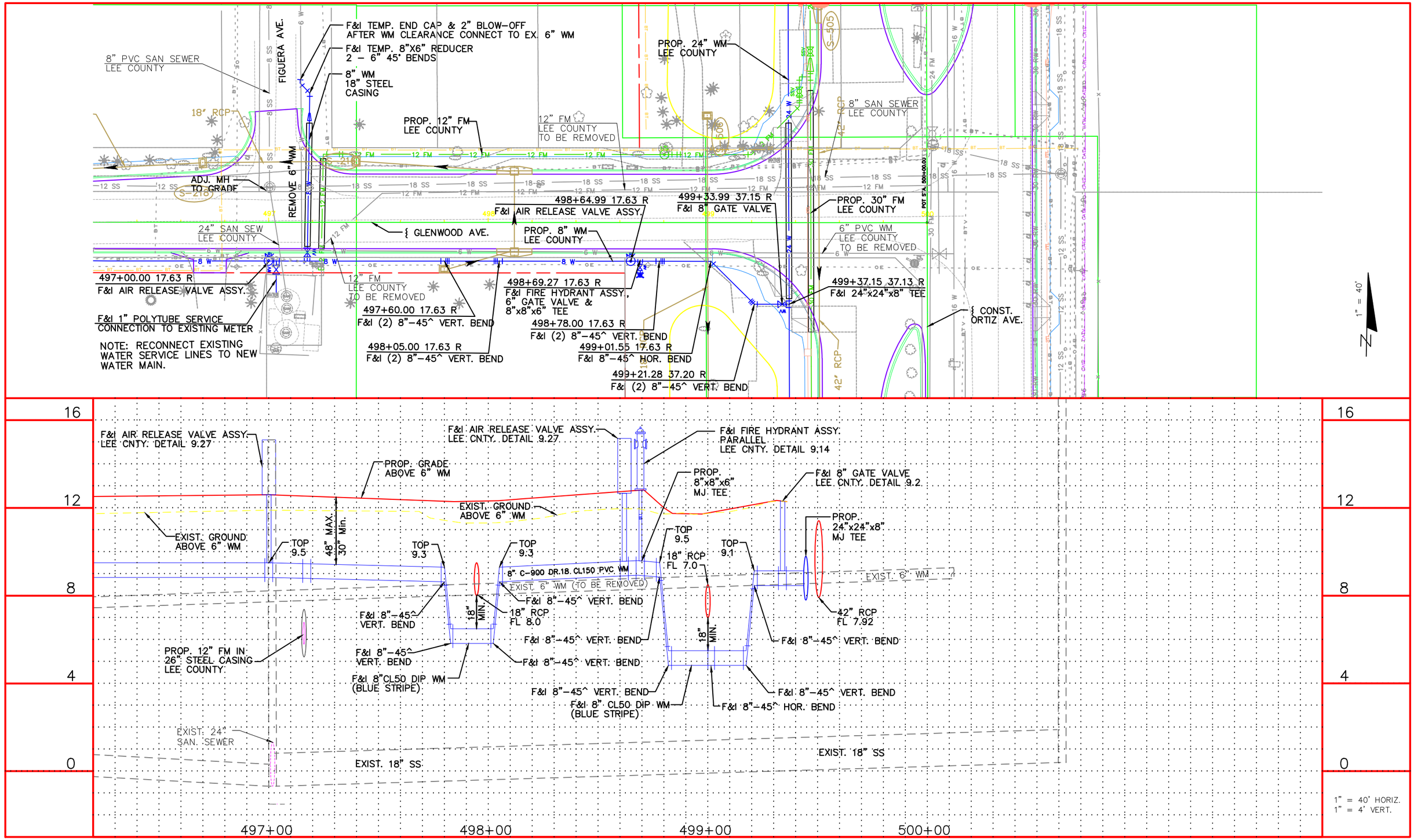
DEPARTMENT of TRANSPORTATION
FORT MYERS, FLORIDA 33901

LEE COUNTY WATER ADJUSTMENT SHEETS

GLENWOOD AVENUE (1)

SHEET NO.
43



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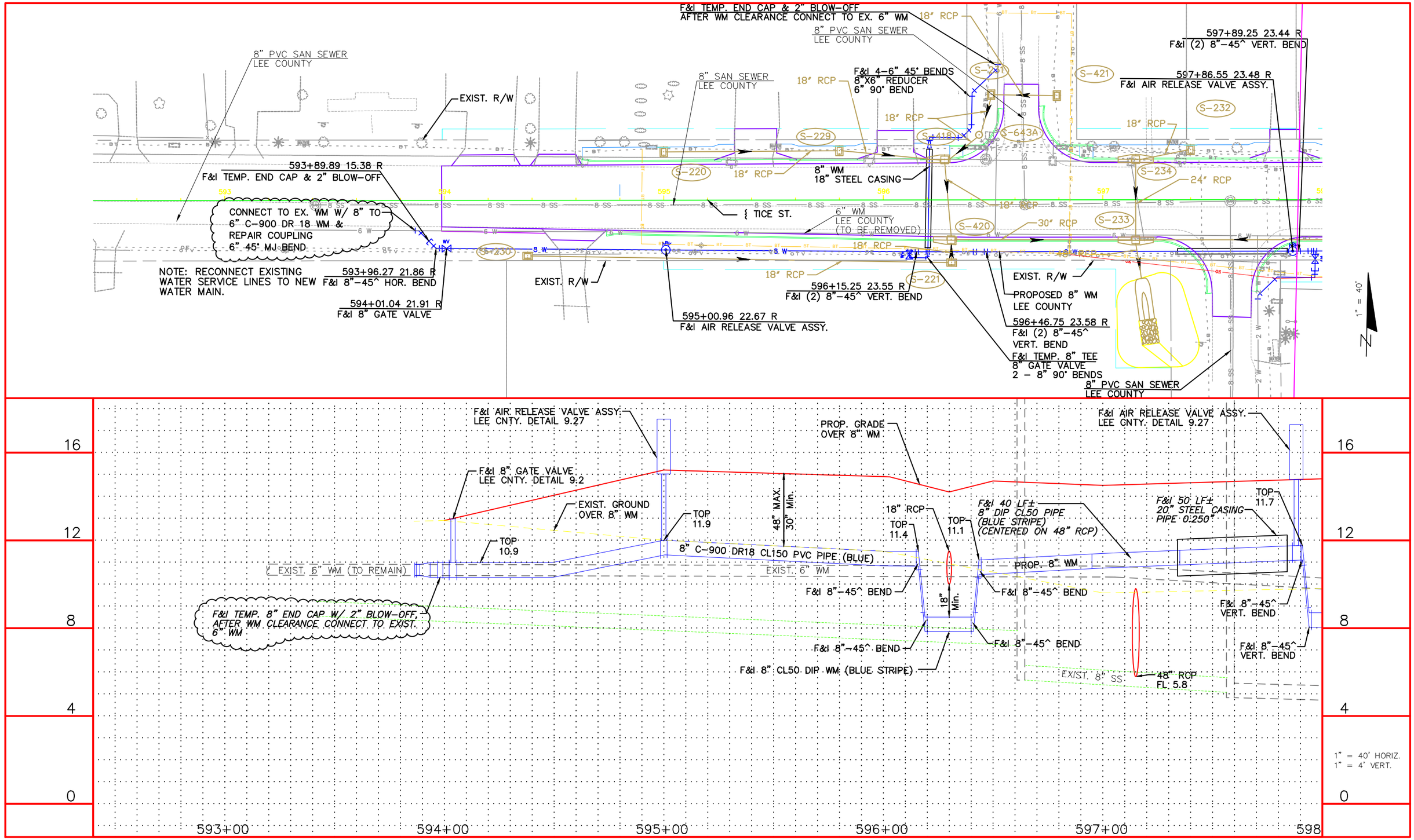
LEE COUNTY WATER ADJUSTMENT SHEETS

GLENWOOD AVENUE (2)

SHEET NO.
44



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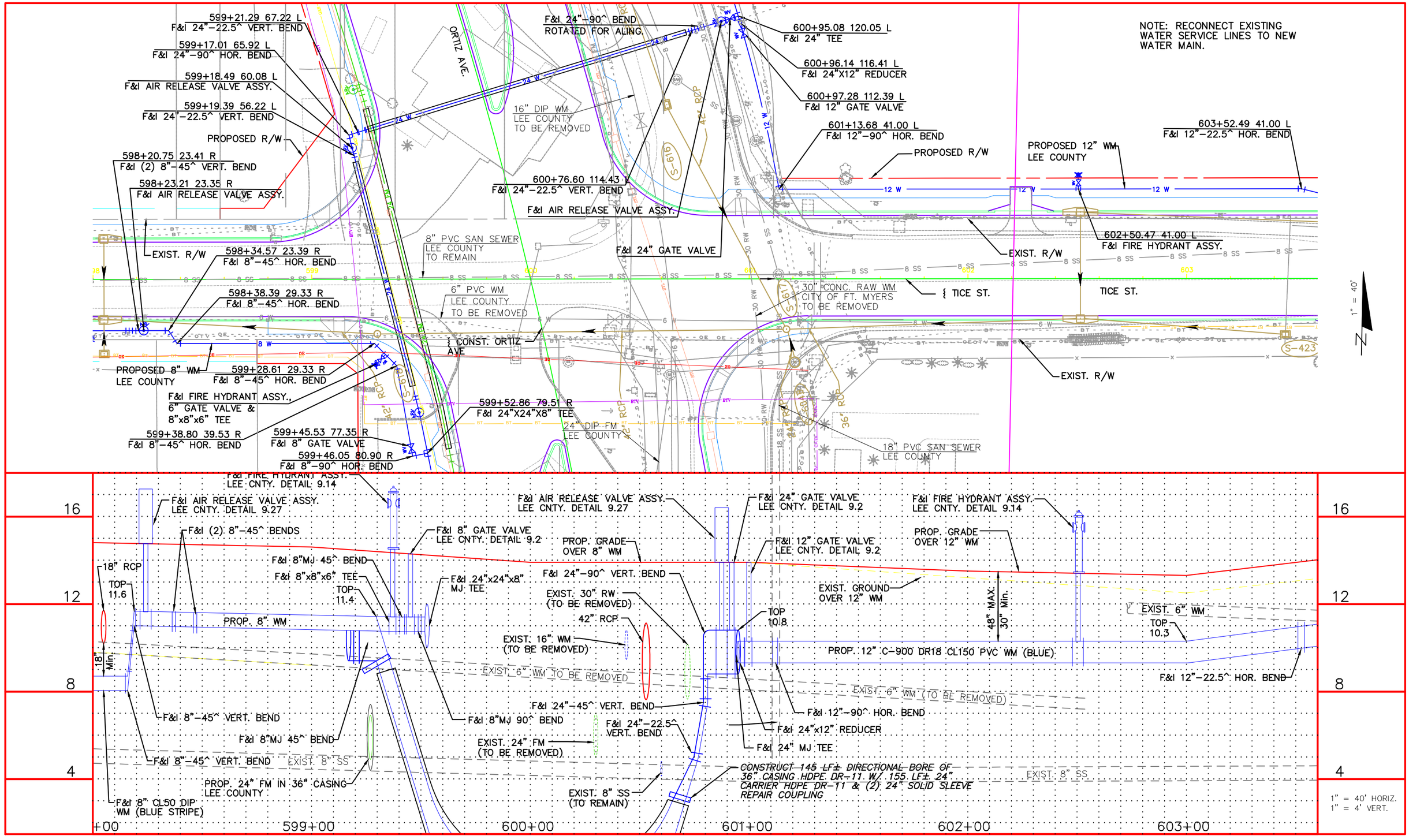
LEE COUNTY WATER ADJUSTMENT SHEETS

TICE STREET (1)

SHEET NO. 45



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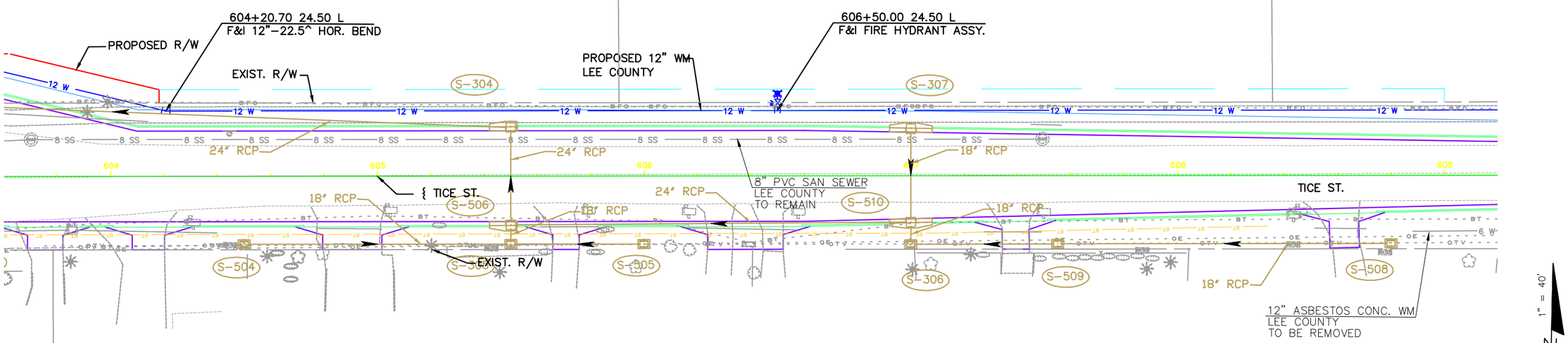
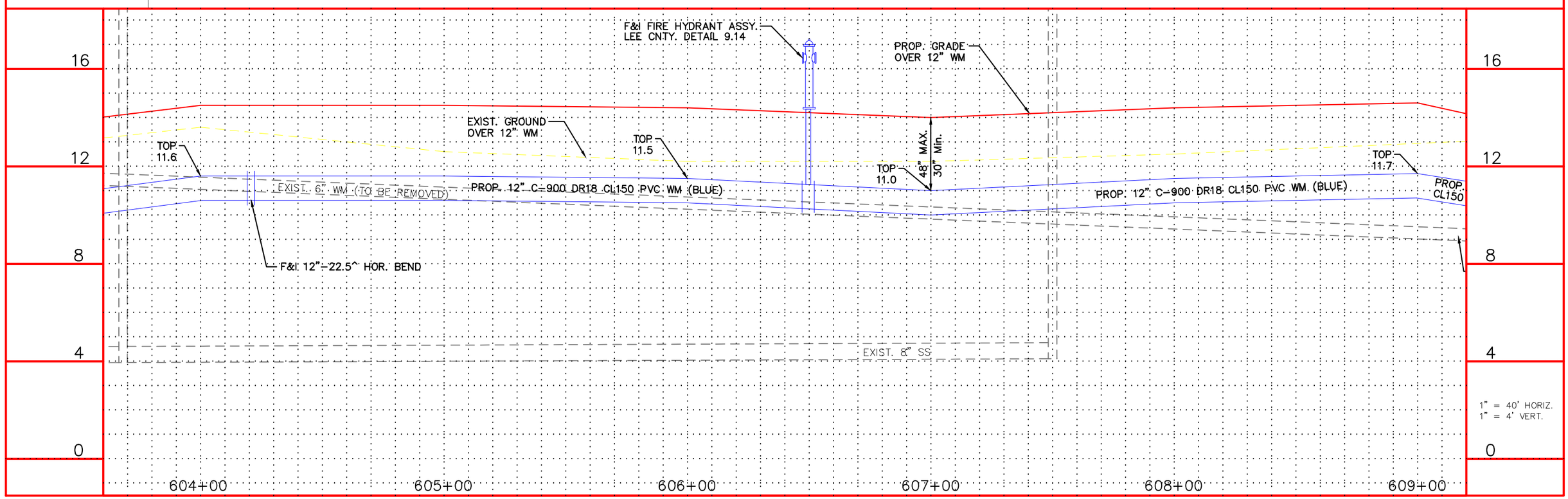
LEE COUNTY WATER ADJUSTMENT SHEETS

TICE STREET (2)

SHEET NO.
46

NOTE: RECONNECT EXISTING WATER SERVICE LINES TO NEW WATER MAIN.





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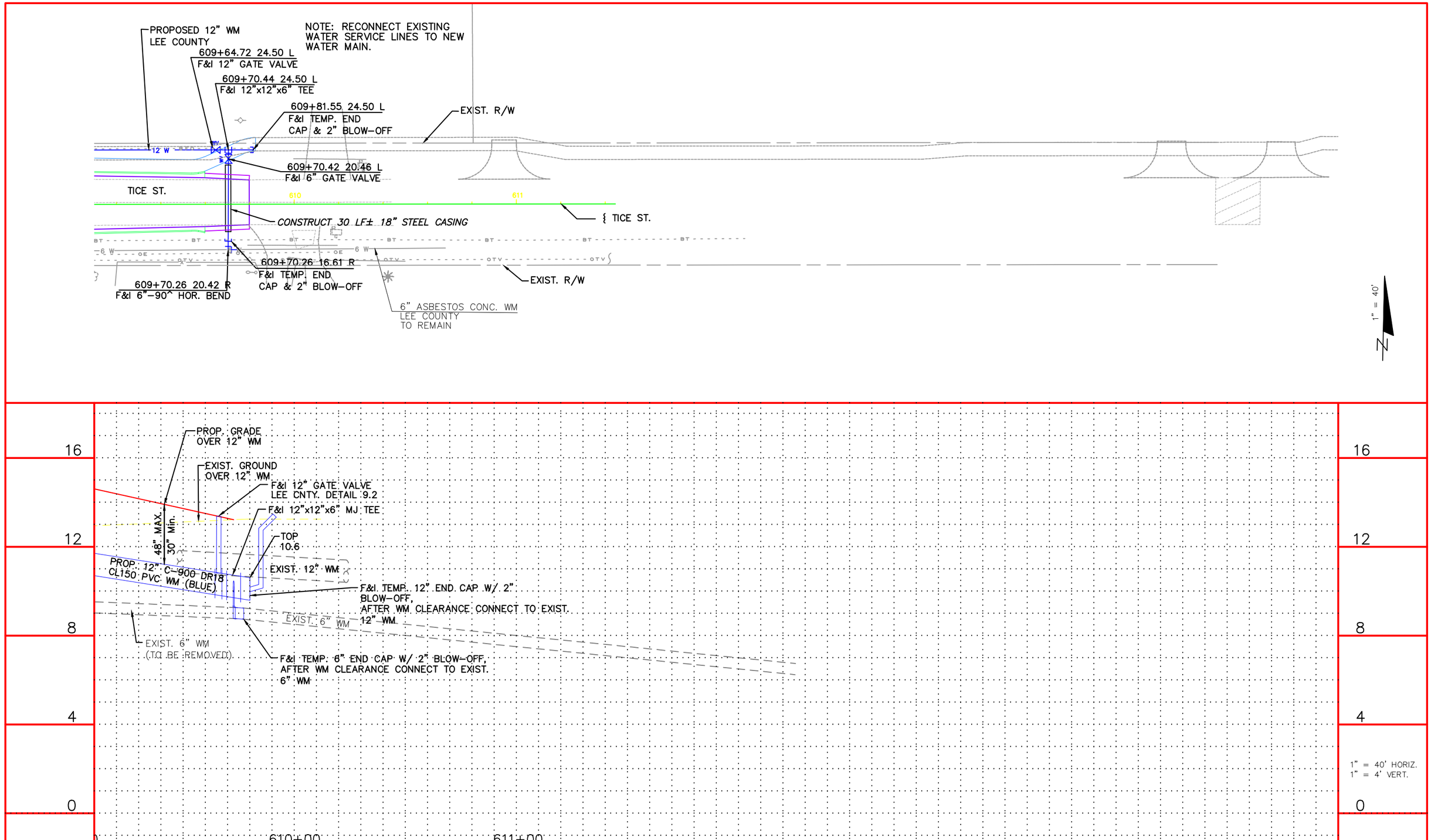
LEE COUNTY WATER ADJUSTMENT SHEETS

TICE STREET (3)

SHEET NO. 47



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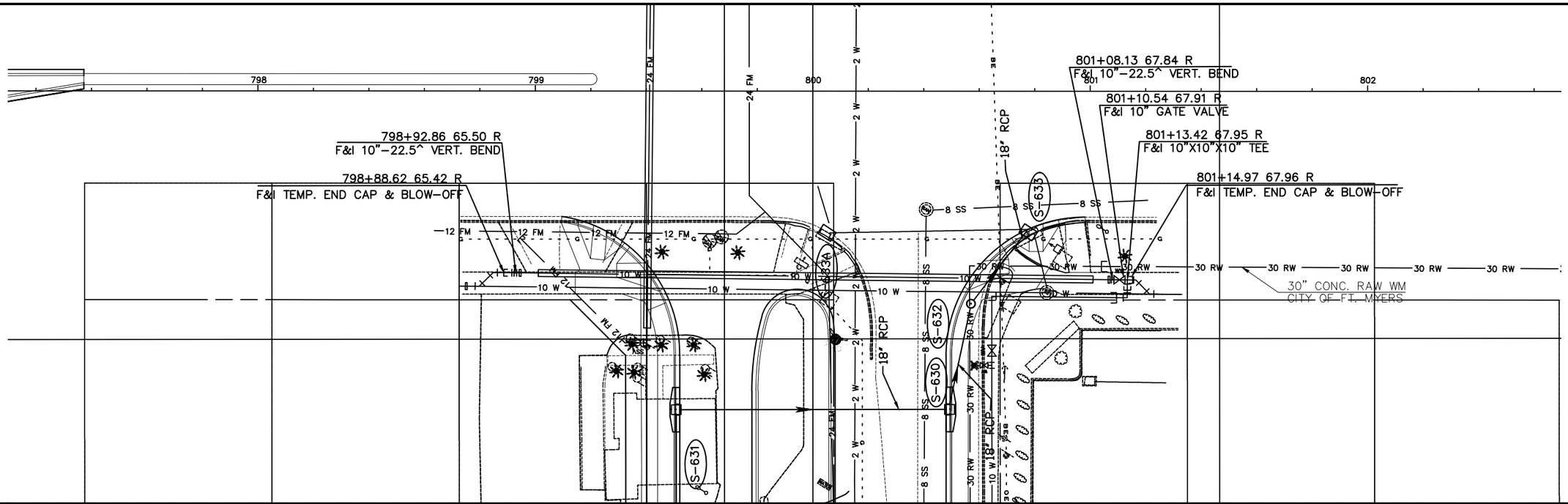
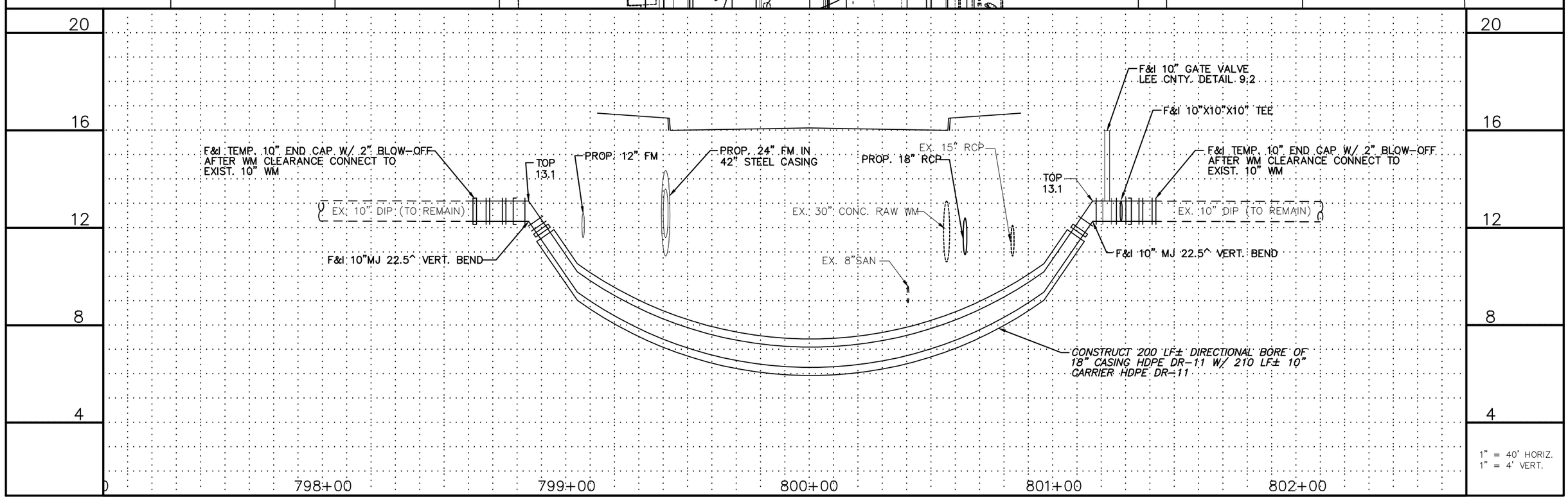
LEE COUNTY WATER ADJUSTMENT SHEETS

TICE STREET (4)

SHEET NO.
48





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1500 MONROE STREET FORT MYERS, FLORIDA 33901
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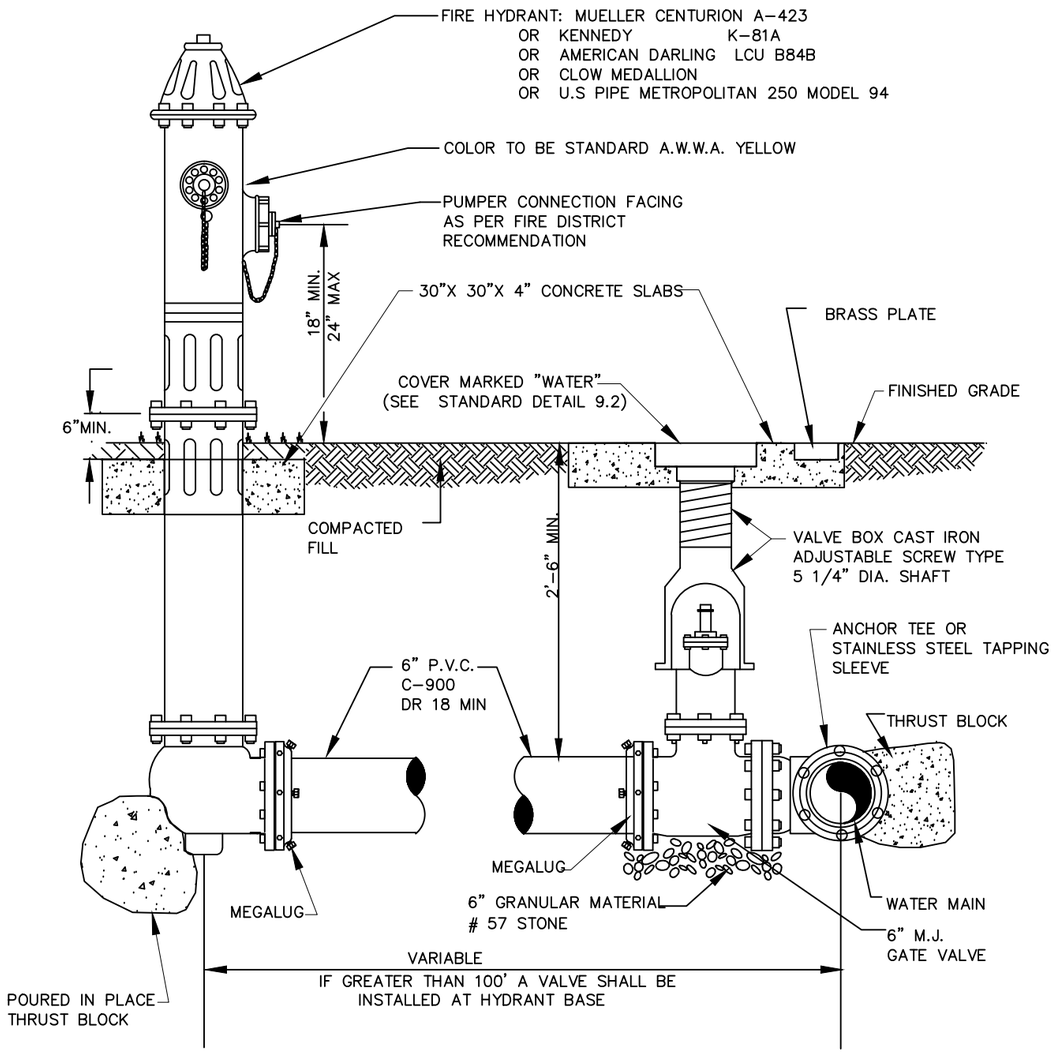
LEE COUNTY WATER ADJUSTMENT SHEETS

PALM BEACH BOULEVARD (1)

SHEET NO. 49

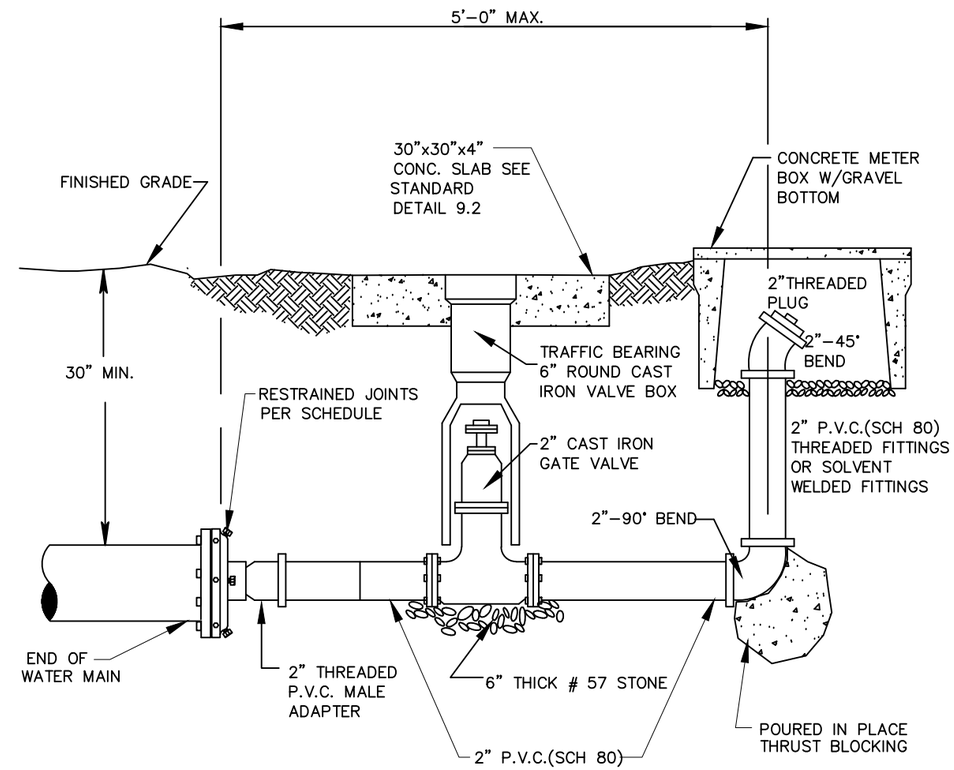
LCU STANDARD DETAIL 9.14
(FIRE HYDRANT ASSEMBLY)

N.T.S.



LCU STANDARD DETAIL 9.17
(BLOW OFF DETAIL)

N.T.S.



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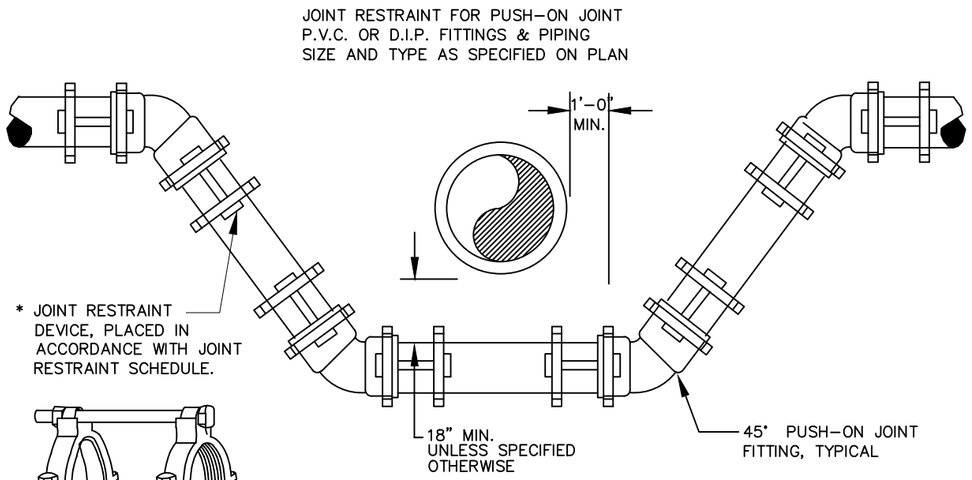
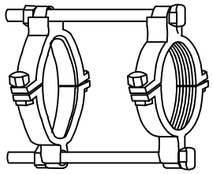
LEE COUNTY WATER
DETAIL SHEET (4)

LCU STANDARD DETAIL 9.7
(WASTE WATER FORCE MAIN VERTICAL OFFSET W/P.V.C. FITTINGS)

N.T.S.





*JOINT RESTRAINING DEVICES FOR PUSH–ON JOINT P.V.C. OR D.I.P. FITTINGS & PIPING SHALL BE:

EBAA IRON INC., –SERIES 1600, 1700, OR 2800
UNIFLANGE –SERIES 1300, 1360, OR 1390
ROMAC –SERIES 600
STAR PIPE PRODUCTS RESTRAINTS
OR APPROVED EQUAL

LCU STANDARD DETAIL 9.8
(RESTRAINED LENGTH SCHEDULE)

DUCTILE IRON PIPE

PIPE SIZE (Inches)	RESTRAINED PIPE LENGTH (FEET)					
	BENDS				DEAD END	TEE
	90 ^	45 ^	22 ½^	11 ¼^		
4	17	7	4	2	21	0
6	23	10	5	2	32	2
8	29	12	6	3	42	6
10	35	14	7	4	53	17
12	41	17	8	4	62	26
16	51	21	11	5	81	44
24	69	29	14	7	114	75
30	81	34	17	8	140	99

PVC PIPE

PIPE SIZE (Inches)	RESTRAINED PIPE LENGTH (FEET)					
	BENDS				DEAD END	TEE
	90 ^	45 ^	22 ½^	11 ¼^		
4	20	8	4	2	33	2
6	29	12	6	3	50	6
8	36	15	8	4	66	9
10	44	18	9	5	83	24
12	51	21	11	5	99	39
16	63	26	13	7	130	68
24	87	36	18	9	183	120
30	102	42	21	10	222	158

LENGTH FIGURES BASED ON FOLLOWING:

Pressure = 150 psi, FS = 1.5, trench type = 3, 30" cover on Bare pipe, Soil type = GP & SP

NO.	DATE	BY	REVISIONS – DESCRIPTION

AIM Engineering & Surveying, Inc.
2328 HANCOCK BRIDGE PARKWAY STE. 114
CAPE CORAL, FLORIDA 33990
TELEPHONE (239) 458–5544
FAX (239) 458–2233
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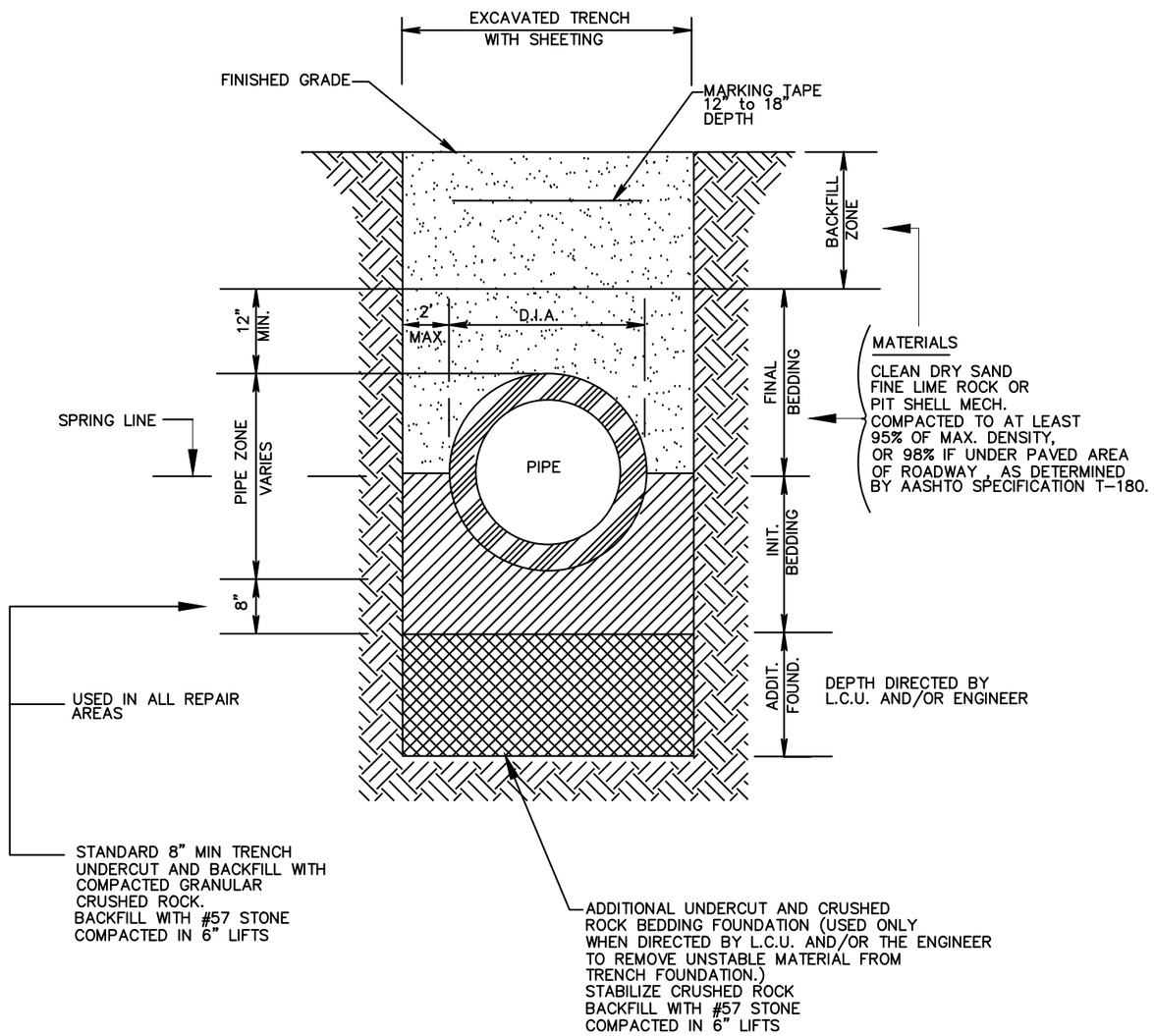
(239) 479–8900 www.lee–county.com/publicworks/dotitle.htm

LEE COUNTY WATER
DETAIL SHEET (3)

LCU STANDARD DETAIL 9.4
(TRENCH CROSS SECTION)

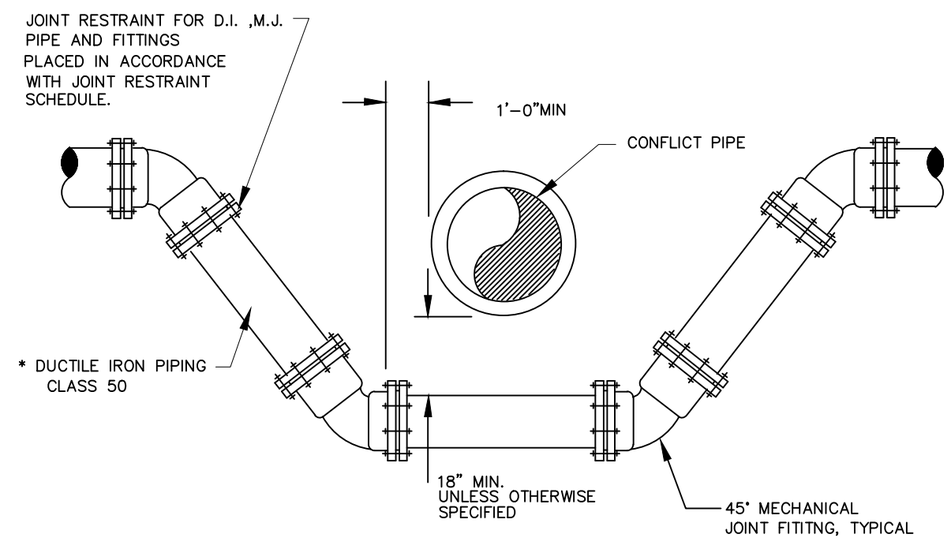
N.T.S.



LCU STANDARD DETAIL 9.6
(WATER PRESSURE LINE VERTICAL OFFSET W/DUCTILE IRON MJ FITTINGS & PIPE)

N.T.S.

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



* 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

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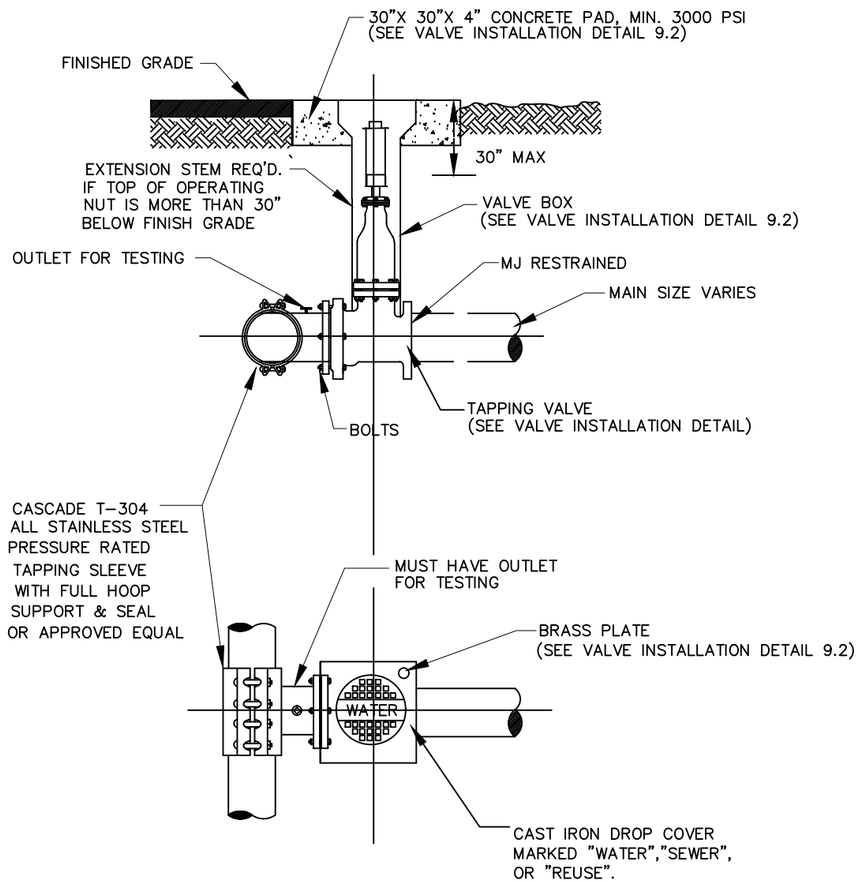
LEE COUNTY WATER
DETAIL SHEET (2)

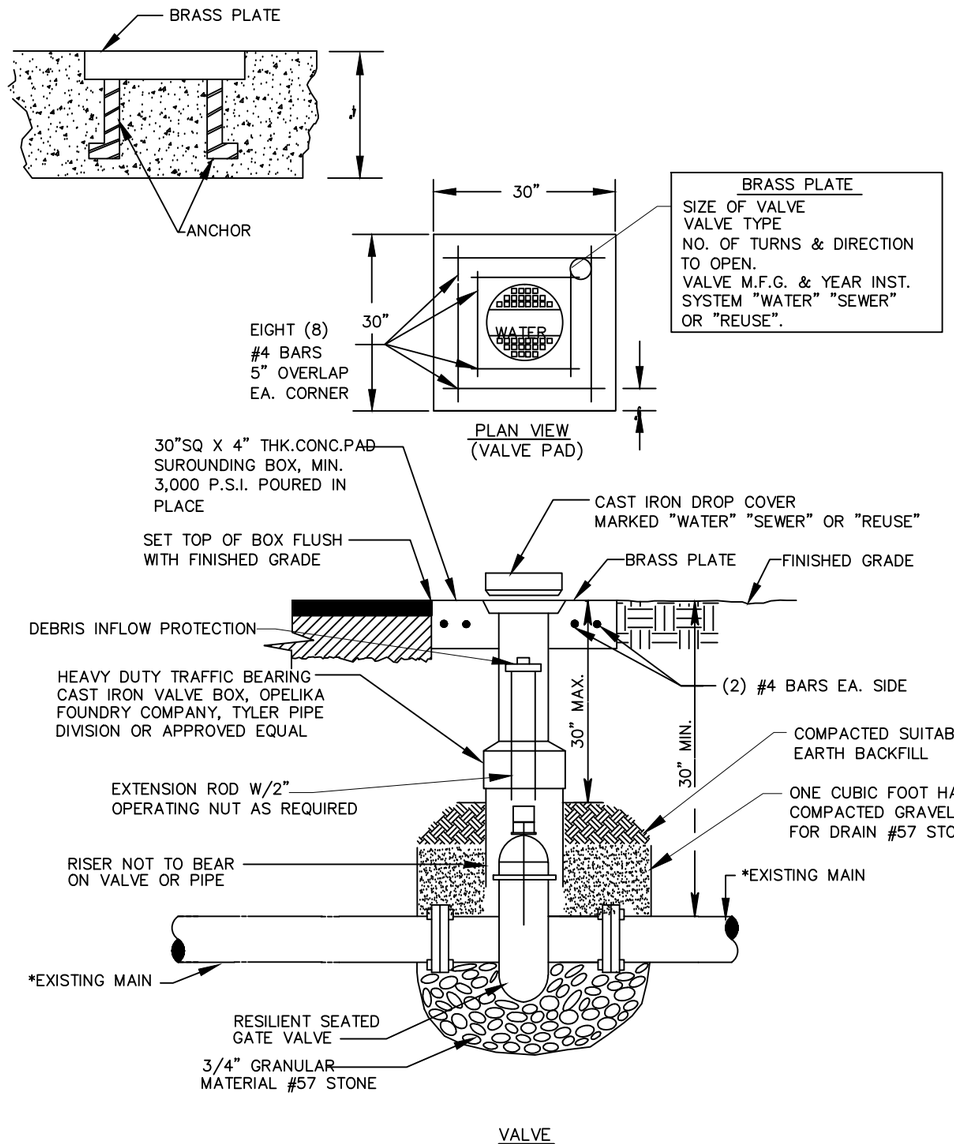
LCU STANDARD DETAIL 9.1
(TAPPING SLEEVE & VALVE)

N.T.S.



LCU STANDARD DETAIL 9.2
(GATE VALVE INSTALLATION)

N.T.S.



*NOTE:
WHEN INSTALLING A VALVE
IN AN EXISTING MAIN, USE
TWO REPAIR SLEEVES (MJ FOR
DIP, OR PVC FOR PVC MAINS)
ONE AT EACH END OF THE CUT.

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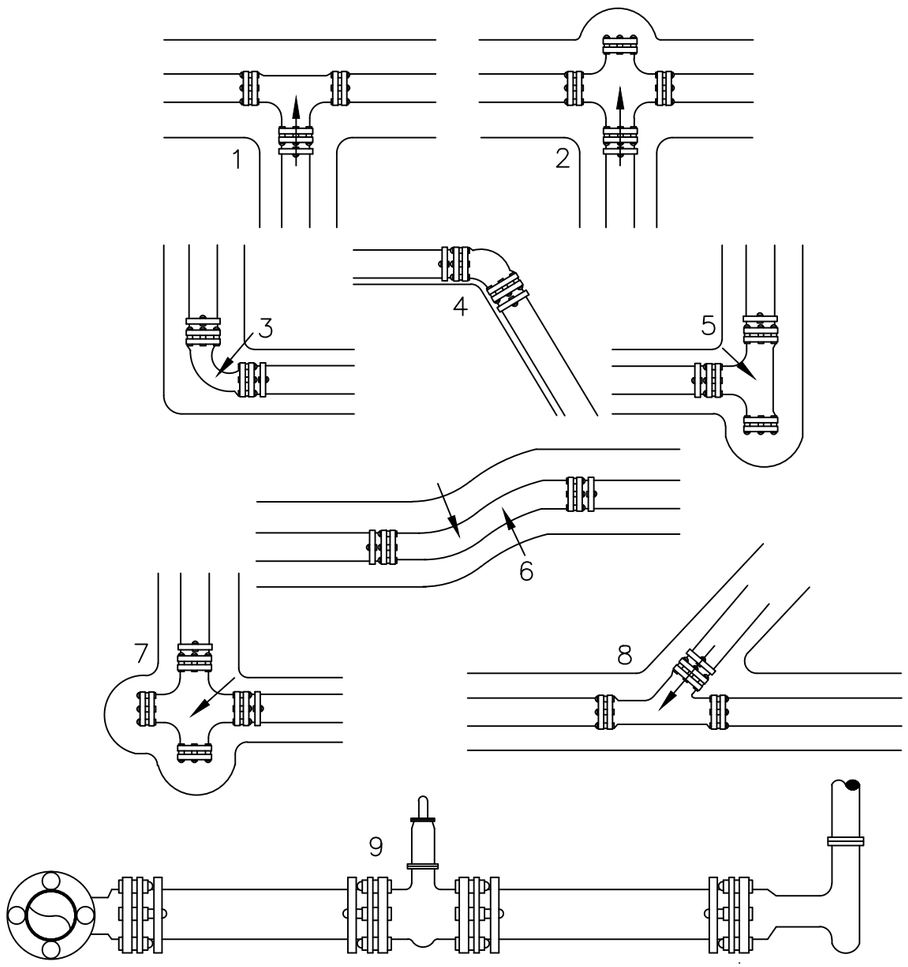
LEE COUNTY WATER
DETAIL SHEET (1)

LCU STANDARD DETAIL 9.19
(THRUST RESTRAINING)

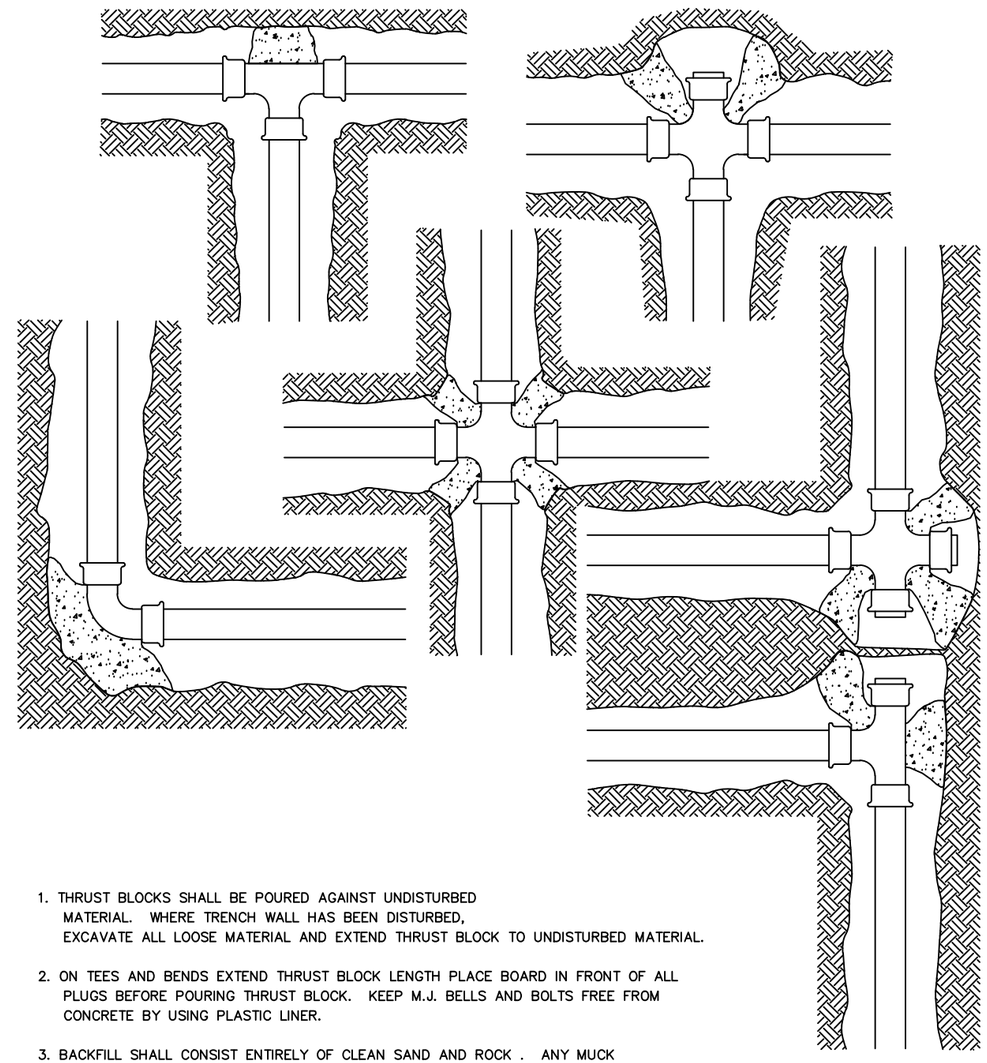
N.T.S.



1. THRU LINE CONNECTION,
2. THRU LINE CONNECTION, CROSS USED AS
3. DIRECTION CHANGE, ELBOW
4. DIRECTION CHANGE, VERTICEL, BEND
5. DIRECTION CHANGE, TEE USED
6. OFFSET CHANGE
7. DIRECTION CHANGE, CROSS USED AS ELBOW
8. TEE WYE LINE CONNECTION,
9. HYDRANT RUNOUT

LCU STANDARD DETAIL 9.20
(THRUST BLOCKING DETAILS)

N.T.S.



1. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
2. ON TEES AND BENDS EXTEND THRUST BLOCK LENGTH PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK. KEEP M.J. BELLS AND BOLTS FREE FROM CONCRETE BY USING PLASTIC LINER.
3. BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK . ANY MUCK ENCOUNTERED SHALL BE REMOVEED AND REPLACED WITH ACCEPTABLE MATERIAL.
4. CONCRETE FOR THRUST BLOCKS SHALL HAVE A MINIMUM STRENGTH OF 2500 P.S.I AFTER 28 DAYS.

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CERTIFICATE OF AUTHORIZATION NO. 3114

APPROVED BY:
RONALD KERFOOT, P.E.
REGISTERED PROFESSIONAL ENGINEER
FLORIDA CERTIFICATE NO. 20768

PUBLIC WORKS
LEE COUNTY
SOUTHWEST FLORIDA
DEPARTMENT of TRANSPORTATION
1500 MONROE STREET FORT MYERS, FLORIDA 33901
(239) 479-8900 www.lee-county.com/publicworks/dotitle.htm

LEE COUNTY WATER
DETAIL SHEET (5)

.\Ortiz Ave\Metering Station.TIF

NOTE: CONSTRUCT 40 LF – FDOT GUARDRAIL
ALONG HIGHWAY TO PROTECT METERING STATION

LCU & CFM INTERCONNECT METERING STATION DETAIL

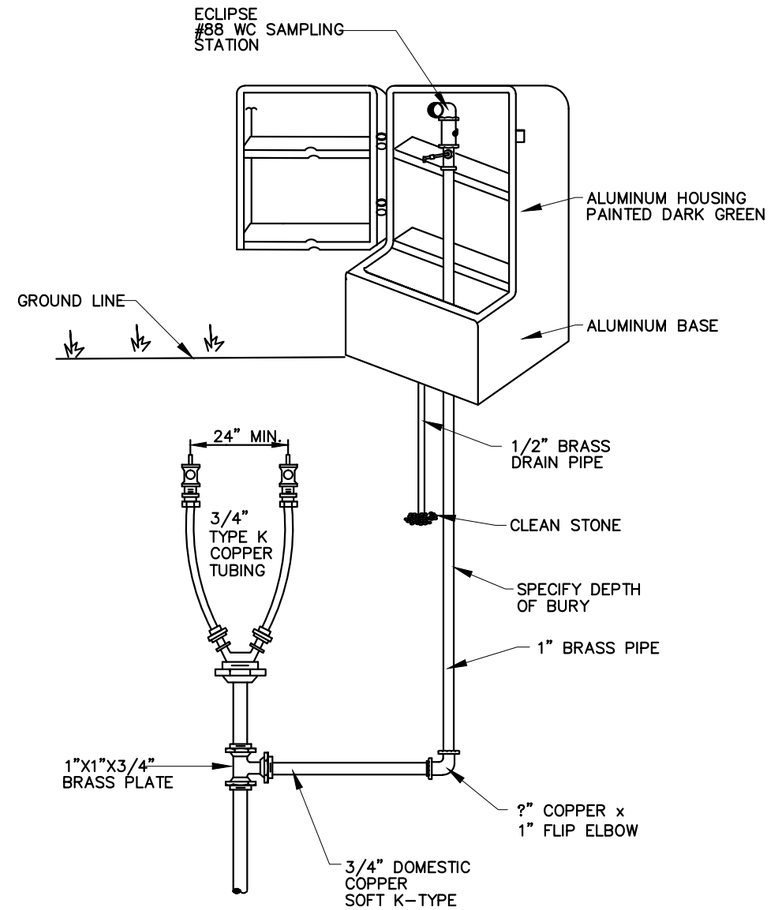
N.T.S.

LCU STANDARD DETAIL 9.26 (BACTERIA SAMPLE VALVE)

N.T.S.

NOTE:

LINE EXTENSIONS OF BETWEEN 500 AND 3,000 FEET REQUIRE THE INSTALLATION OF A SAMPLING STATION AT THE RIGHT–OF–WAY LINE ON A METER SERVICE OR AS DIRECTED BY L.C.U.
SAMPLING STATIONS ARE THEN TO BE INSTALLED FOR EACH ADDITIONAL, OR PART OF 2,500 FEET OF LINE INSTALLED.



ECLIPSE NO. 88WC SAMPLING STATION
OR EQUAL

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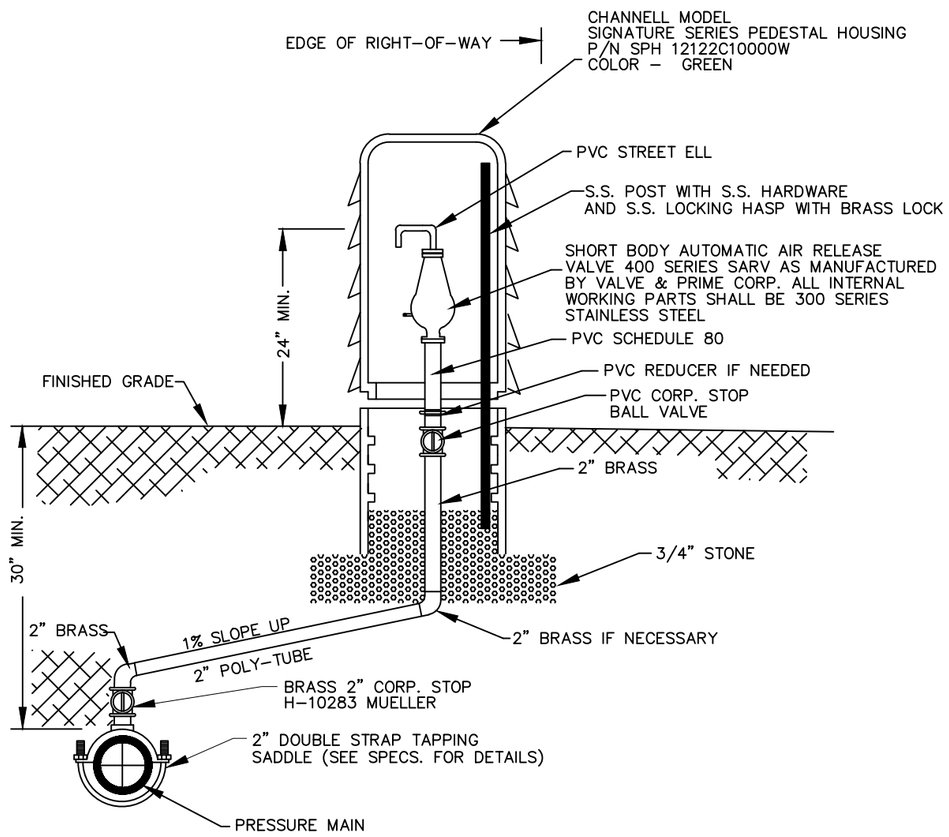
LEE COUNTY WATER
DETAIL SHEET (6)

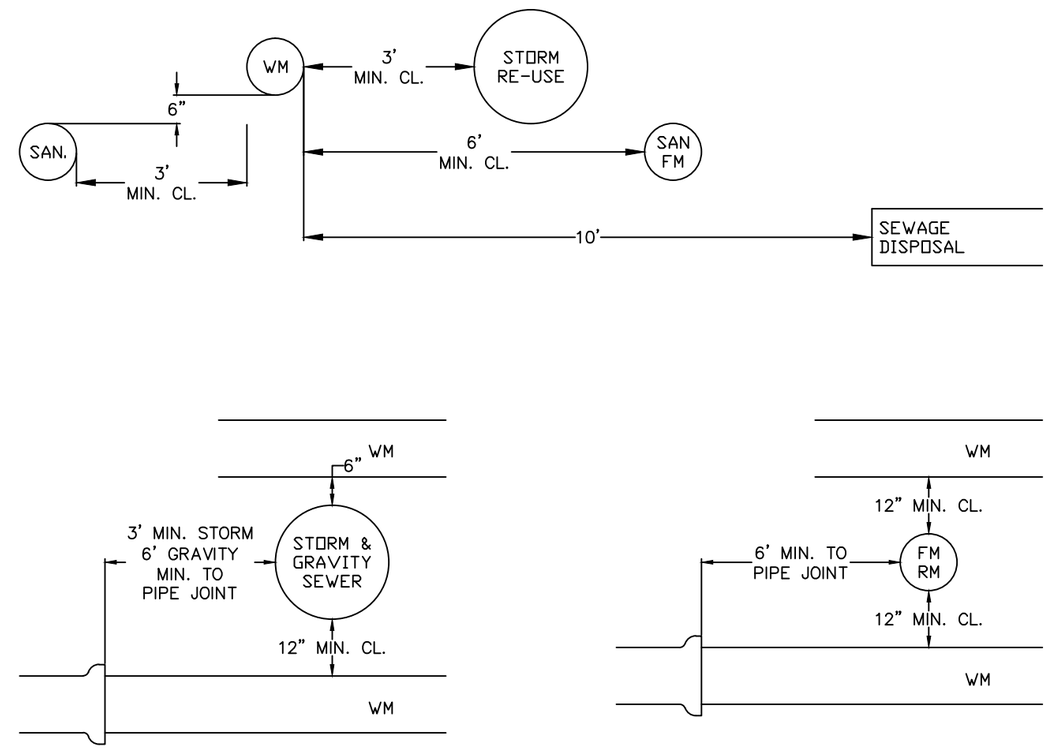
LCU STANDARD DETAIL 9.27
(AUTOMATIC AIR RELEASE VALVE–WATER)

N.T.S.



LCU WATER AND SEWER SEPARATION DETAIL

N.T.S.



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LEE COUNTY WATER
DETAIL SHEET (7)

Lee County

SUE Point UB	Station	Offset	Description	Top of Pipe Elevation	Ground Elevation	Pipe Cover
1	499+88.66 B/L GLENWOOD	16.96 LT	12" DIP FM	6.72	12.61	5.89
2	497+51.79 B/L GLENWOOD	13.30 LT	12" DIP FM	6.49	11.86	5.37
3	497+23.06 B/L GLENWOOD	12.01 RT	12" DIP FM	6.64	12.08	5.44
4	499+85.66 B/L GLENWOOD	14.19 RT	6" AC WM	9.19	12.62	3.43
5	494+77.15 B/L GLENWOOD	11.76 RT	6" AC WM	7.47	11.16	3.69
6	601+99.75 B/L TICE	20.24 RT	6" AC WM	7.48	14.81	7.33
7	609+57.32 B/L TICE	20.81 RT	12" AC WM	10.30	11.83	1.53
8	600+23.80 B/L TICE	18.20 RT	6" AL WM	9.25	13.72	4.47
9	593+99.50 B/L TICE	13.82 RT	6" AC WM	11.79	14.91	3.12
10 (1)	304+67.76 B/L BALLARD	13.78 RT	NOTHING FOUND		19.56	N/A
10 (2)	304+51.88 B/L BALLARD	12.82 RT	NOTHING FOUND		19.57	N/A
10 (3)	304+45.27 B/L BALLARD	13.07 RT	NOTHING FOUND		19.57	N/A
11	303+54.00 B/L BALLARD	11.54 RT	14" DIP	17.91	19.68	1.77
12	299+06.55 B/L BALLARD	39.33 LT	8" PVC WM	17.56	20.71	3.15
13	296+63.76 B/L BALLARD	34.52 LT	8" PVC WM	16.75	19.66	2.91
14	293+49.52 B/L BALLARD	14.60 LT	6" PVC WM	15.65	19.08	3.43
UBB 14	300+65.33 B/L BALLARD	22.16 LT	8" PVC SS	17.03	20.54	3.51
15	305+55.52 B/L BALLARD	16.11 RT	8" DIP FM	16.24	19.41	3.17
16	300+67.61 B/L BALLARD	13.49 RT	8" DIP FM	14.89	20.59	5.70
17	1064+50.91 C/L CONST.	43.83 LT	30" CONC FM	14.66	20.60	5.94
18	298+99.89 B/L BALLARD	25.63 LT	24" PVC FM	15.04	21.34	6.30
19	299+50.22 B/L BALLARD	27.76 RT	8" DIP FM	14.17	21.91	7.74
20	298+37.88 B/L BALLARD	28.14 RT	8" DIP FM	16.45	20.89	4.44
21	1064+55.38 C/L CONST.	62.18 LT	16" DIP WM	17.31	20.57	3.26
22	394+24.98 B/L LUCKETT	14.83 LT	2" PVC WATER	16.89	19.32	2.43
23	399+70.74 B/L LUCKETT	63.42 LT	2" PVC WATER	17.52	20.19	2.67
24	1076+87.03 C/L CONST.	57.76 RT	12" PVC/DIP W	15.15	19.98	4.83
25	400+97.12 B/L LUCKETT	83.28 LT	12" PVC WM	15.60	19.93	4.33
26	401+07.02 B/L LUCKETT	51.70 LT	6" ASB. CONC WM	17.31	19.19	1.88
27 (1)	402+95.97 B/L LUCKETT	74.64 LT	6" AC WM	15.68	19.90	4.22
27 (2)	402+98.18 B/L LUCKETT	70.99 LT	2" COMMUNICATION	17.02	19.20	2.18
27 (3)	402+98.21 B/L LUCKETT	69.19 LT	2" COMMUNICATION	DEPTH NOT GIVEN	19.00	N/A
28	401+72.43 B/L LUCKETT	99.38 LT	8" DIP WATER	16.90	19.65	2.75
29	414+09.30 B/L LUCKETT	94.11 LT	12" DIP WM	17.96	20.34	2.38
30	417+01.71 B/L LUCKETT	51.39 LT	12" PVC WM	16.19	19.80	3.61
31	420+84.19 B/L LUCKETT	25.94 LT	8" PVC FM	13.34	18.16	4.82
32	423+42.16 B/L LUCKETT	44.13 LT	8" PVC WM	15.13	18.67	3.54
33	426+09.21 B/L LUCKETT	57.49 LT	8" PVC WM	15.49	20.60	5.11
34	414+02.96 B/L LUCKETT	64.26 LT	2" PVC WM	17.36	20.13	2.77
35	413+74.77 B/L LUCKETT	35.89 LT	6" DIP WM	17.09	20.25	3.16
36	413+66.24 B/L LUCKETT	59.69 RT	6" DIP WM	17.24	19.63	2.39
37	417+47.83 B/L LUCKETT	9.14 LT	2" PVC WATER	17.09	20.11	3.02
38	418+03.45 B/L LUCKETT	57.86 LT	8" PVC FM	17.21	19.48	2.27
39	421+79.09 B/L LUCKETT	63.91 LT	8" PVC FM	14.74	18.50	3.76
40	426+18.41 B/L LUCKETT	85.56 LT	16" CAST IRON SLEEVE FM	17.09	19.70	2.61
41	1010+57.11 C/L CONST.	66.77 RT	16" DIP WM	17.28	22.19	4.91
42	1013+35.86 C/L CONST	62.94 RT	16" DIP WM	18.63	21.85	3.22
43	INTENTIONALLY LEFT BLANK			0.00		
44	201+40.98 B/L HIGH COTTON	35.41 RT	8" PVC WM	17.62	20.77	3.15
45	200+89.73 B/L HIGH COTTON	19.78 LT	8" PVC WM	16.25	20.78	4.53
46	200+13.34 B/L N. GALAXY	15.48 RT	NOTHING FOUND		19.43	N/A
47	201+05.88 B/L N GALAXY	16.91 RT	2" PVC WATER	20.15	21.23	1.08
48	200+25.72 B/L MARS	15.86 LT	2" PVC WATER	17.22	20.07	2.85
49	201+07.25 B/L MARS	14.44 LT	2" PVC WATER	17.11	20.15	3.04
50	200+66.02 B/L JUPITER	20.07 LT	2" STEEL WATER	16.10	19.51	3.41
51	201+66.63 B/L JUPITER	14.66 LT	2" PVC WATER	17.07	18.96	1.89
52	199+81.40 B/L HUNT.GRN.	10.79 LT	16" CAST IRON WM	15.82	18.57	2.75
53	198+75.35 B/L HUNT.GRN	13.32 LT	16" CAST IRON WM	15.42	17.99	2.57
54	199+73.09 B/L NOTTINGHAM	13.06 LT	6" DIP WM	15.11	18.33	3.22
55	198+98.40 B/L NOTTINGHAM	13.15 LT	6" DIP WM	15.06	17.80	2.74
56	200+56.53 B/L S.BILLYS CRK	25.77 RT	8" ASB. CONC WM	12.92	15.25	2.33
57	201+02.68 B/L S.BILLYS CRK	19.79 RT	6" ASB. CONC WM	13.14	15.33	2.19
58	200+60.18 B/L GARY DR	21.49 RT	2" PVC WATER	11.78	15.49	3.71
59	201+12.42 B/L GARY DR	15.51 RT	2" PVC WATER	12.66	15.42	2.76
60	200+54.51 B/L N BILLYS CRK	18.46 LT	6" PVC WM	11.51	14.82	3.31
61	201+10.64 B/L N BILLYS CRK	17.29 LT	6" AC WM	11.58	14.08	2.50
62	1107+14.80 C/L CONST.	15.25 RT	16" STEEL WM	10.39	13.89	3.50
63	199+07.65 B/L ZANA DR	23.00 LT	6" CAST IRON WM	9.80	12.63	2.83
64	1111+05.23 C/L CONST.	14.67 RT	16" DIP WM/6" AC WM	9.28	12.40	3.12
65	201+55.67 B/L DEAN ST	13.67 RT	6" AC WM	9.37	11.63	2.26
66	1124+27.52 C/L CONST.	10.78 RT	16" DI WM/6" AC WM	10.23	12.94	2.71
67	201+09.45 B/L STEWARD DR	14.37 RT	10" ASB CONC WM	10.33	13.25	2.92
68	1134+97.74 C/L CONST.	11.73 RT	16" DIP WM	10.59	13.83	3.24
69	200+92.90 B/L ELVAS AVE	10.87 RT	16" DIP WM	8.25	15.28	7.03
70	200+87.96 B/L GARCIA AVE	13.06 LT	6" DIP WM	12.14	15.89	3.75
71	201+60.24 B/L GARCIA AVE	11.75 LT	6" DIP WM	12.64	15.77	3.13
72	1143+69.61 C/L CONST.	10.09 RT	24" DIP FM	12.19	16.05	3.86
73	1145+49.97 C/L CONST.	15.36 RT	2" PVC WATER	14.05	16.25	2.20
74	1146+05.25 C/L CONST.	64.51 LT	12" DIP FM	12.23	16.68	4.45
75	1146+17.27 C/L CONST.	364.92 LT	12" DIP	12.21	16.33	4.12
76	1145+60.39 C/L CONST.	6.30 RT	24" DIP FM	9.69	16.41	6.72
77	1146+04.81 C/L CONST.	27.60 LT	12" DIP FM	11.10	16.79	5.69

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