

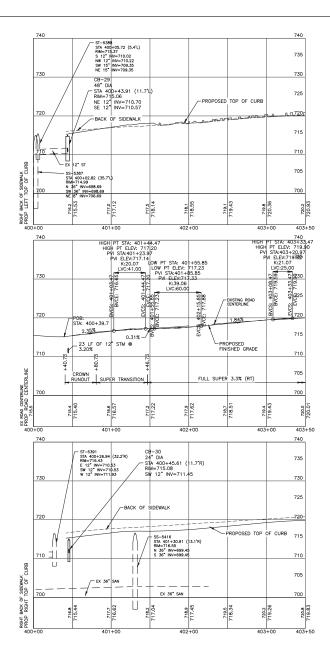
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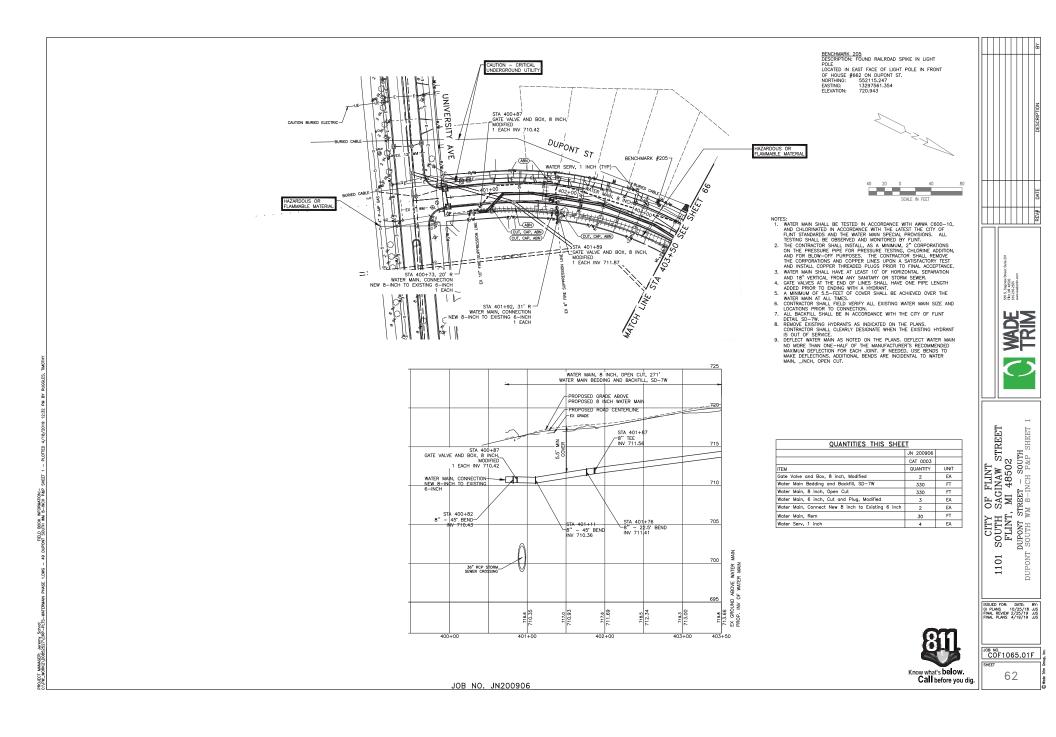
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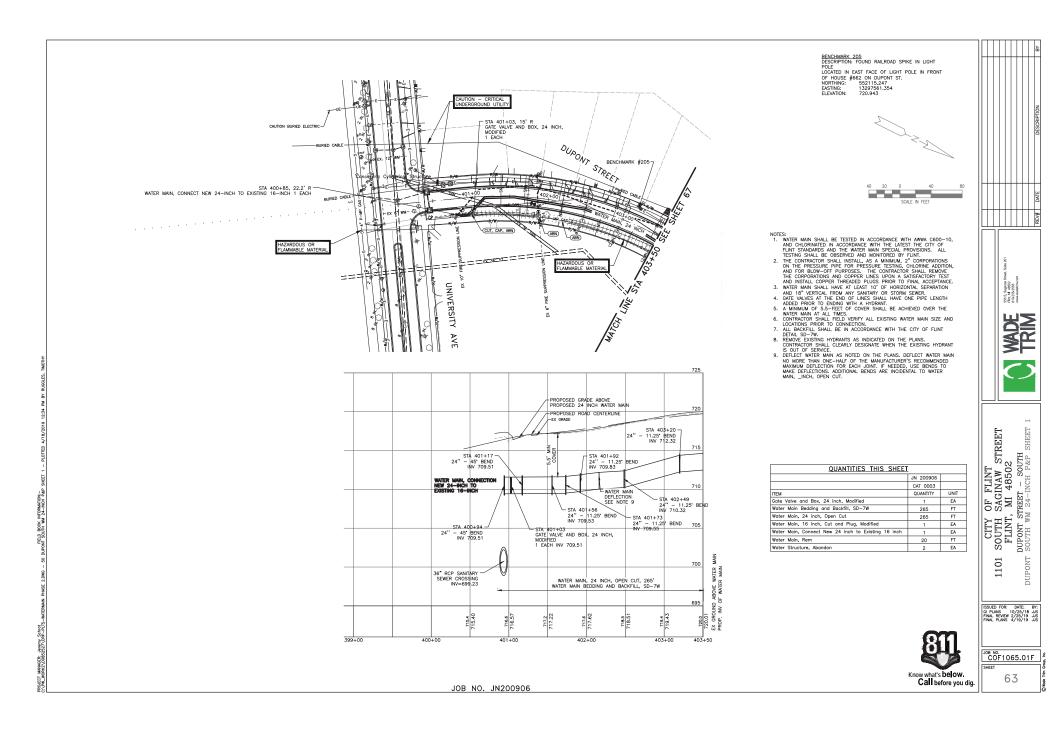
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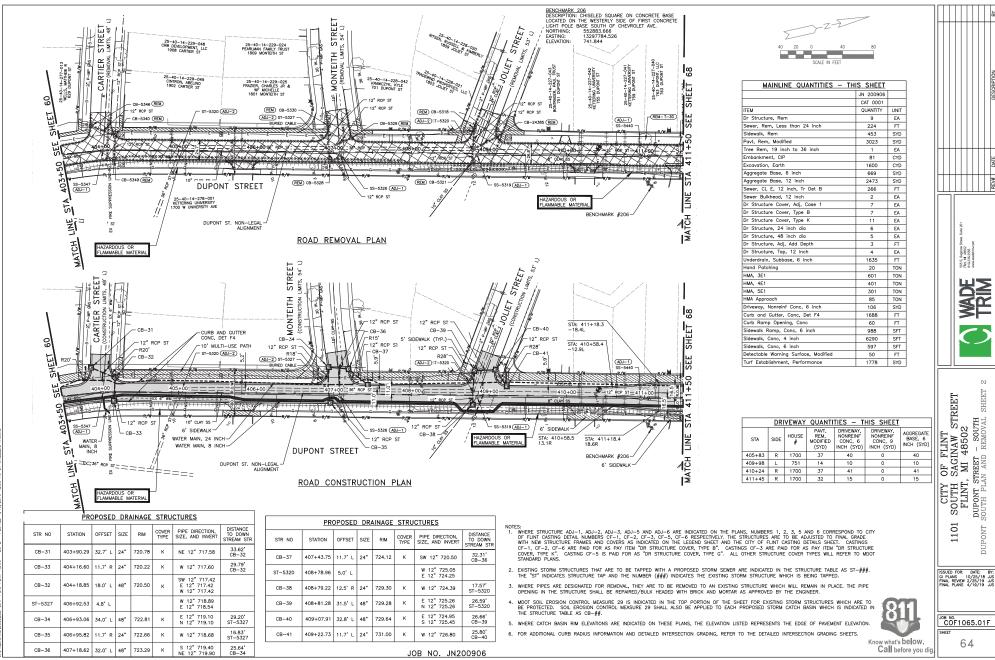
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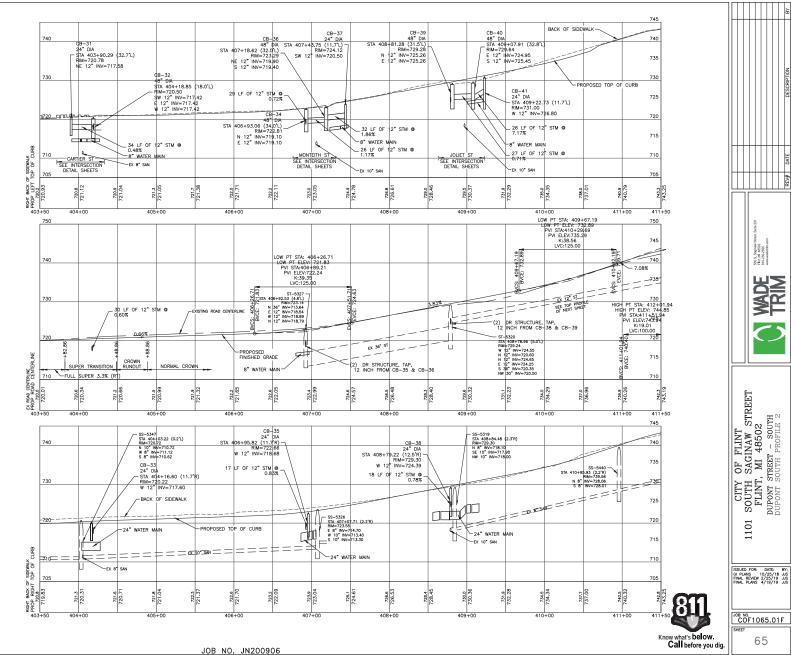
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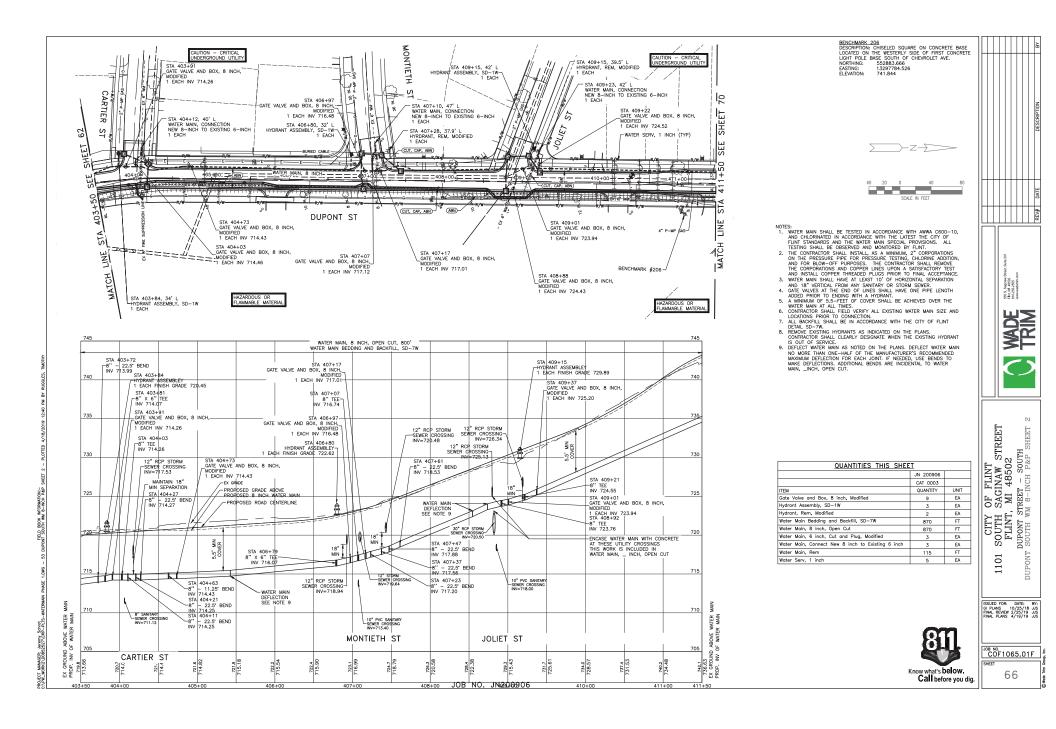
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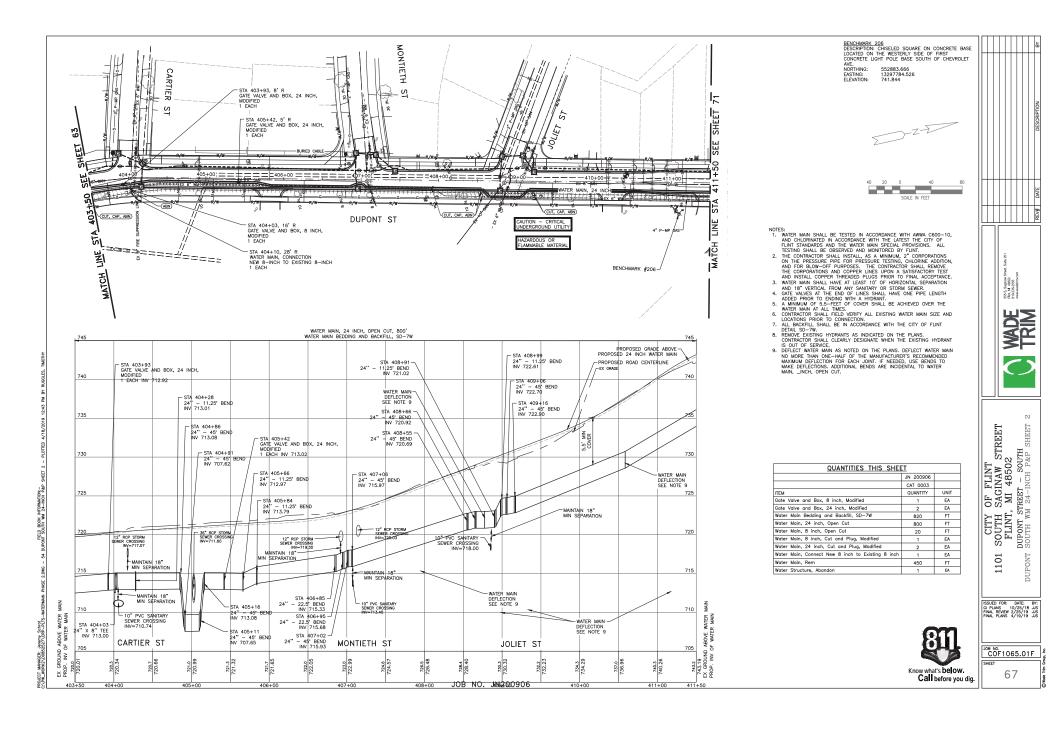
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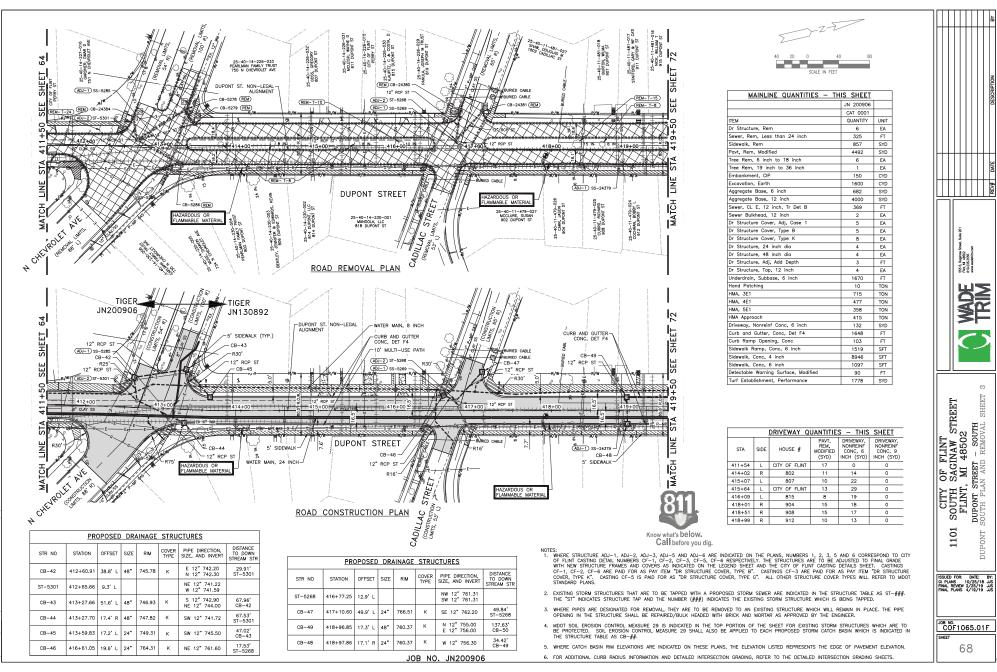
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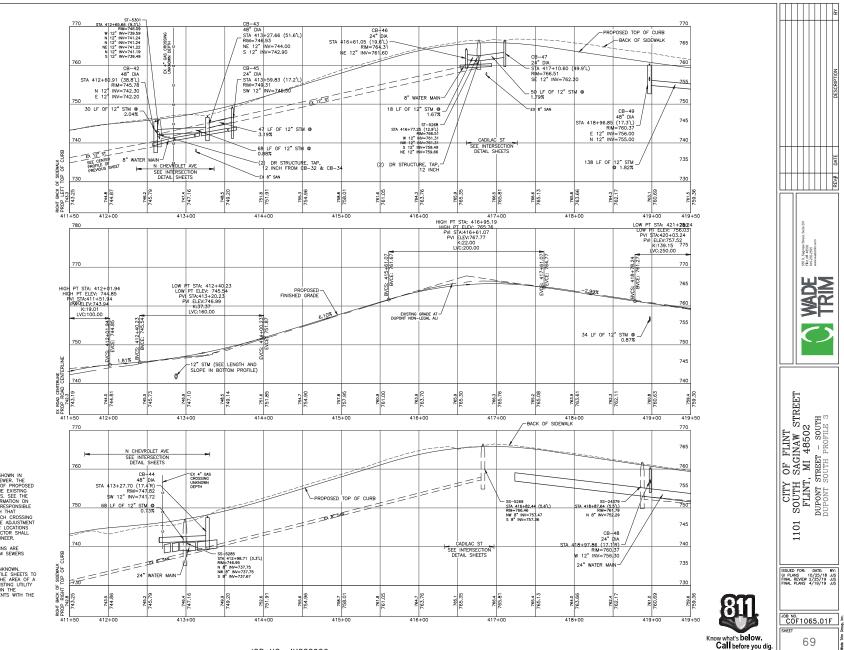
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- NFORMA 12-38 FIELD BOOK IN 0TTED 4/18/2019 Jeremy Schrot

PROJECT MANAGER: C:\PW_WORK2\D085









JOB NO. JN200906

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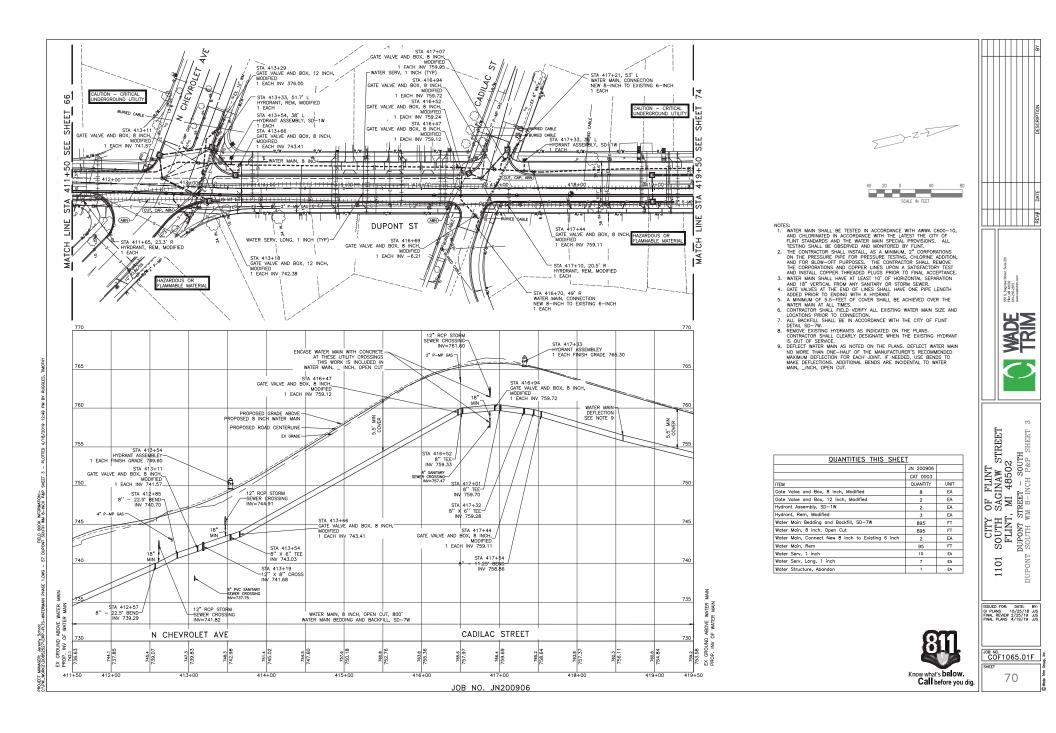
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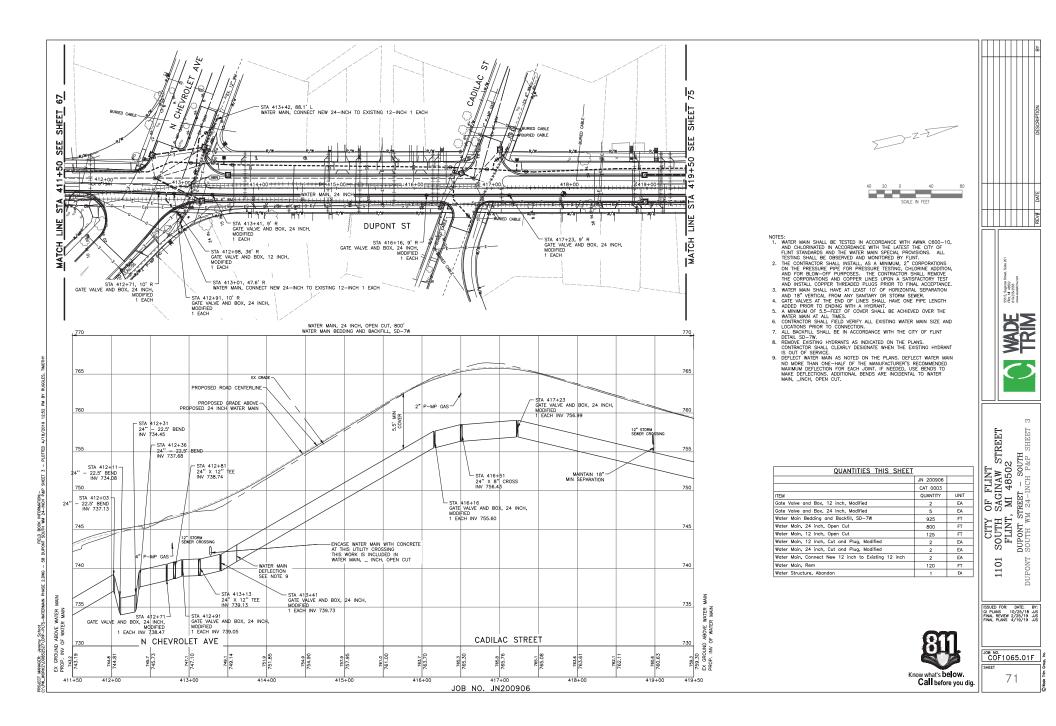
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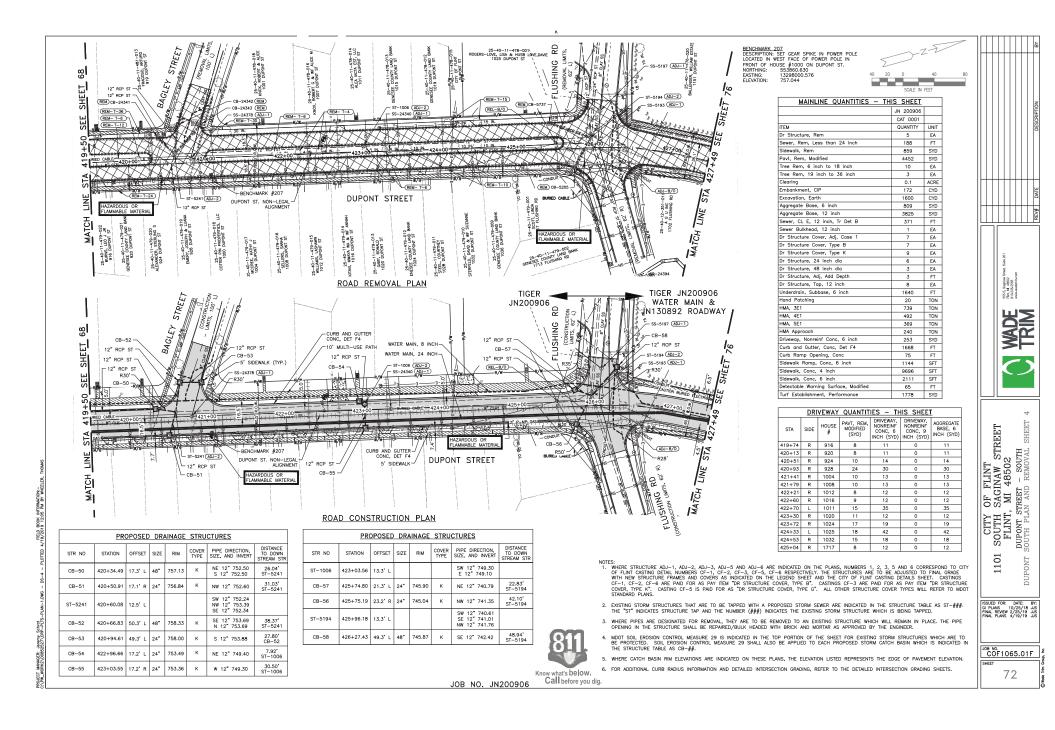
FIELD BOOK II

Jeremy Schrol

PROJECT MANAGER: C:\PW_WORK2\D085 2. THE EXACT LOCATION AND DEPTH OF EXISTING WATER MAINS ARE UNKNOWN AND THEIR CROSSING OF THE PROPOSED STORM SEWERS HAVE NOT BEEN SHOWN ON THESE PROFILES



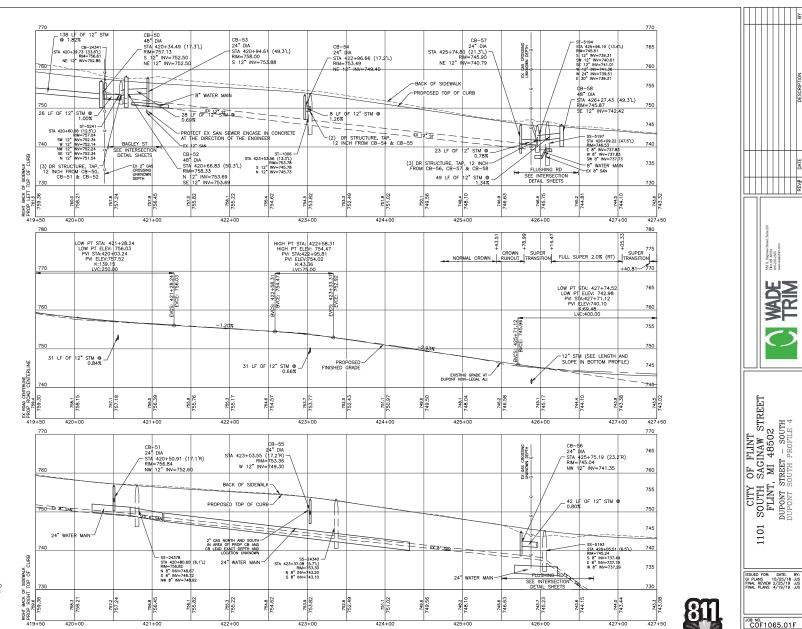




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PROJECT MANAGER: C:\PW_WORK2\D085

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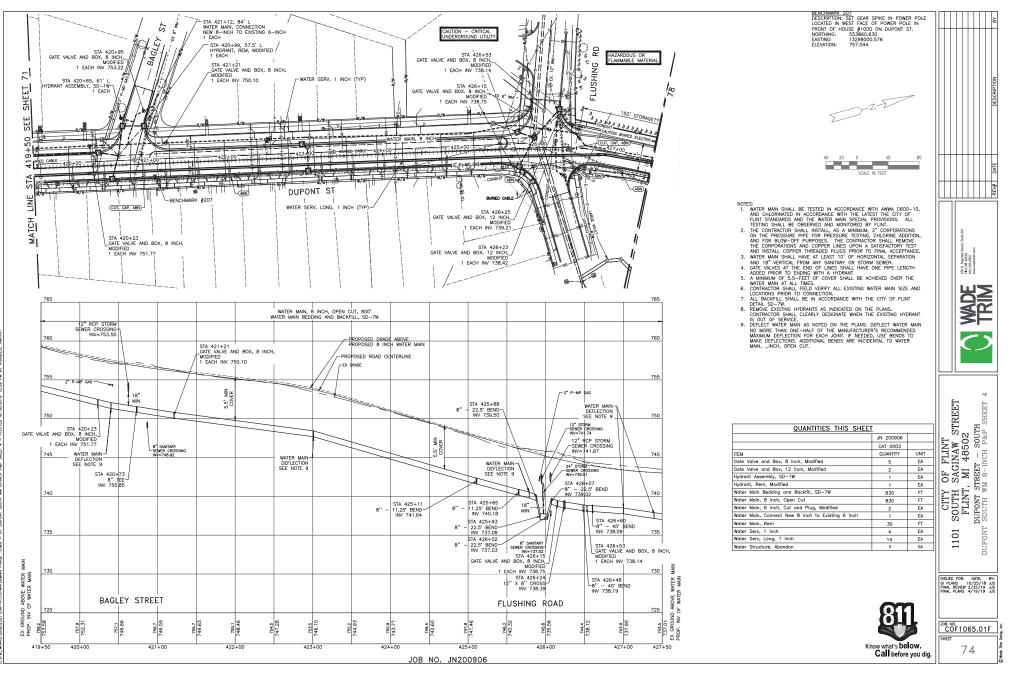
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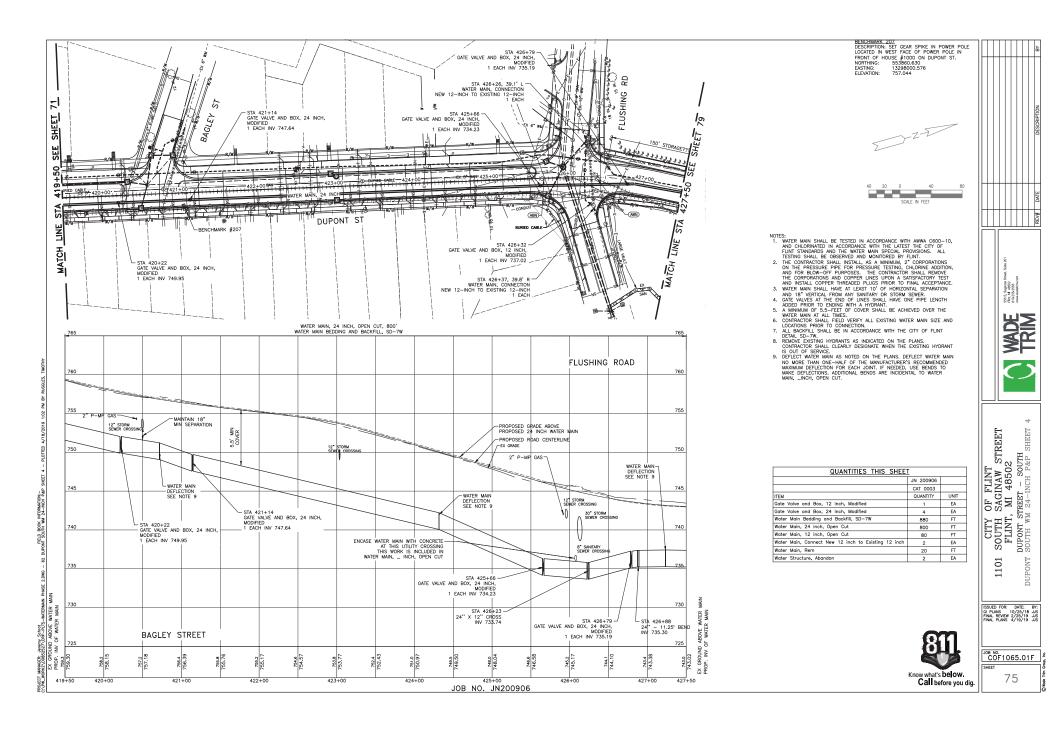
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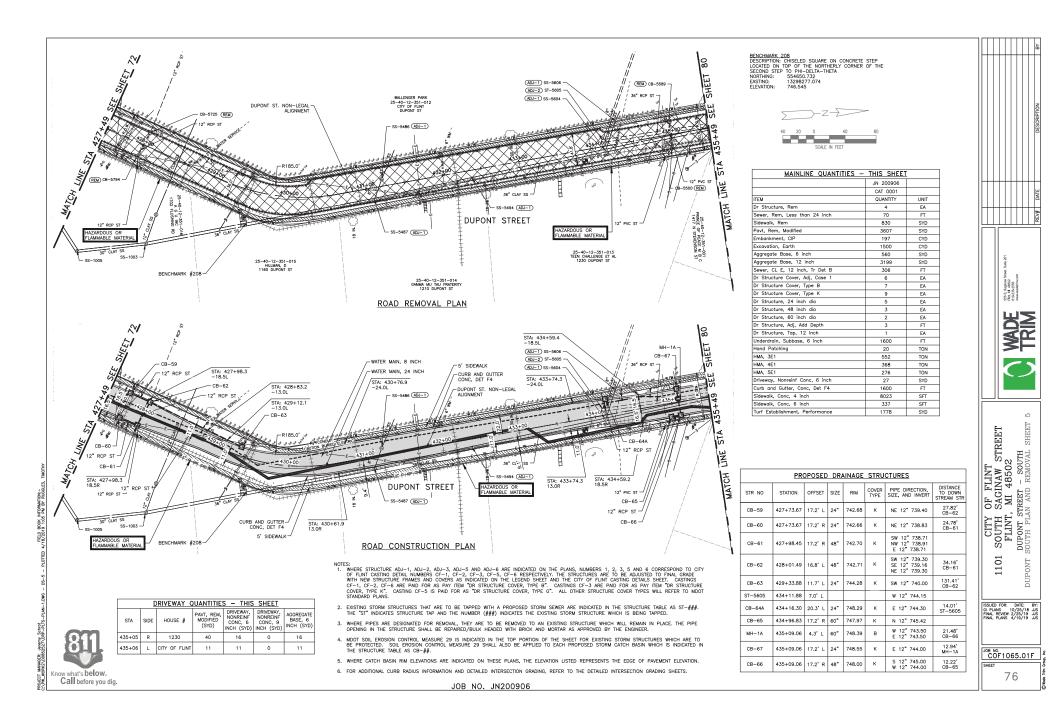
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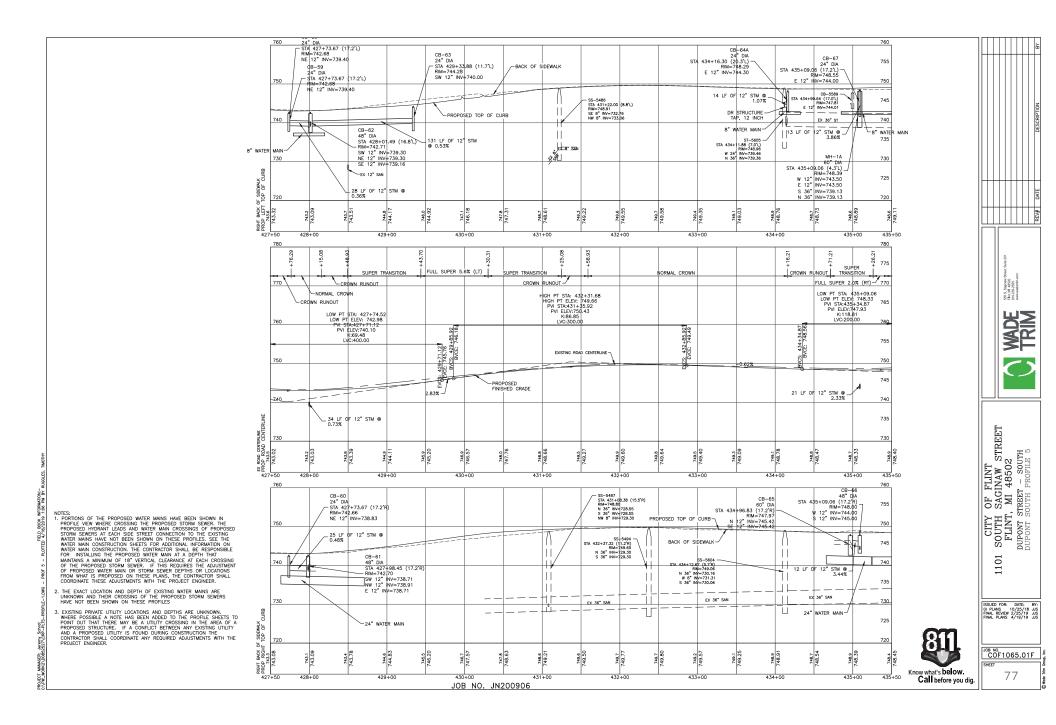
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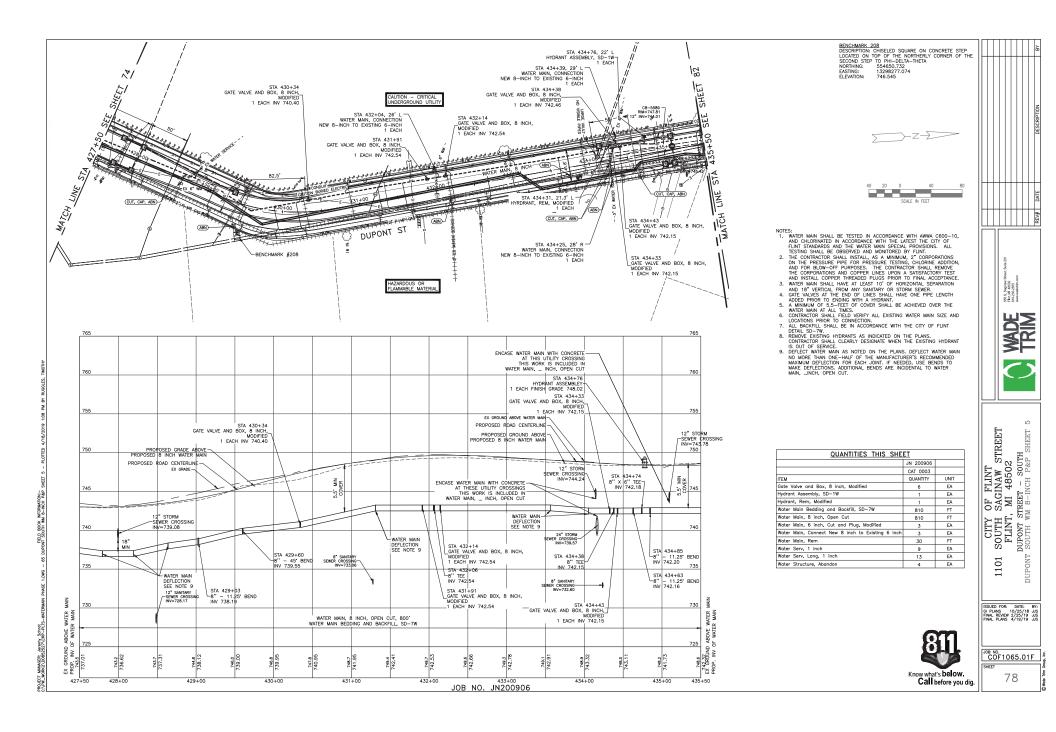


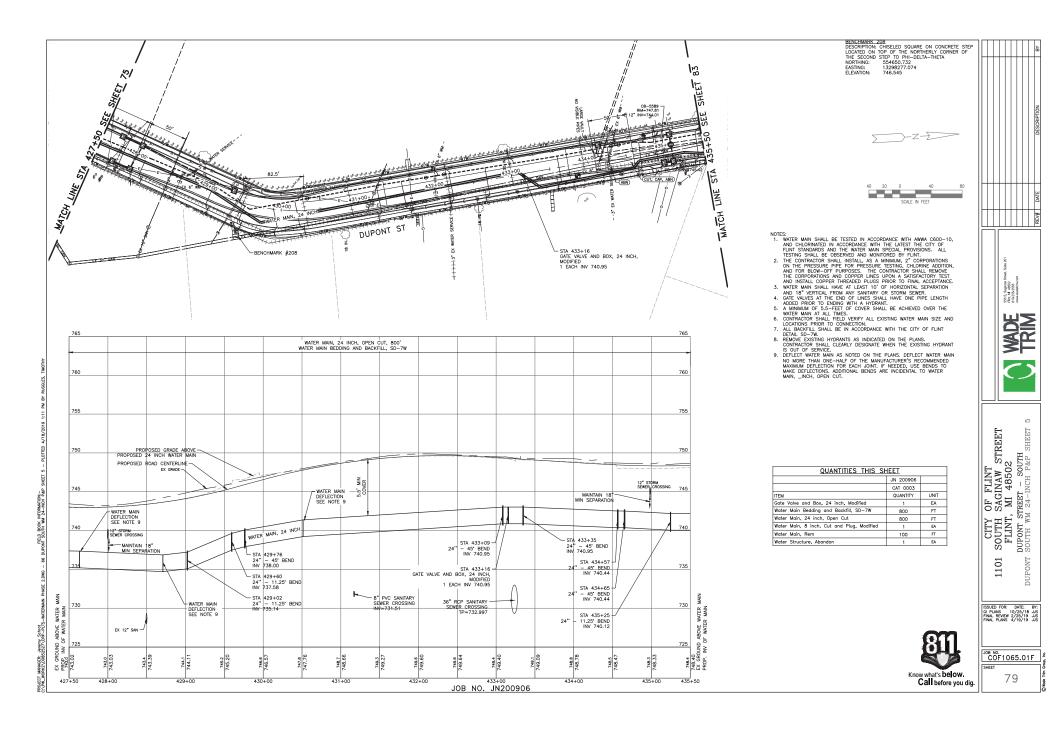
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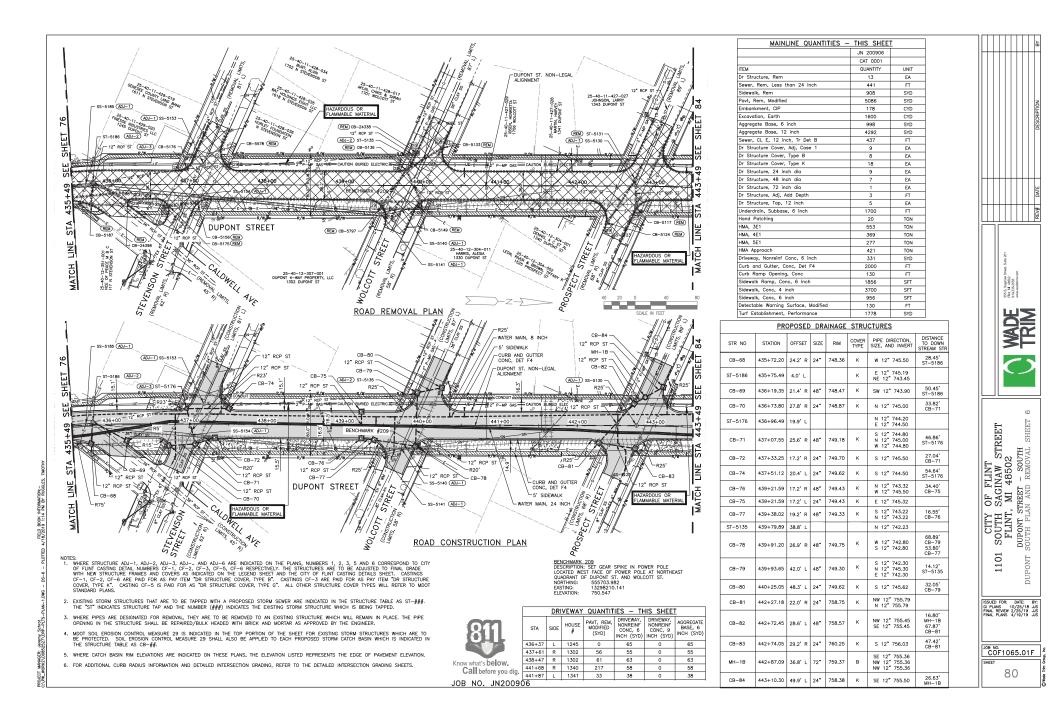


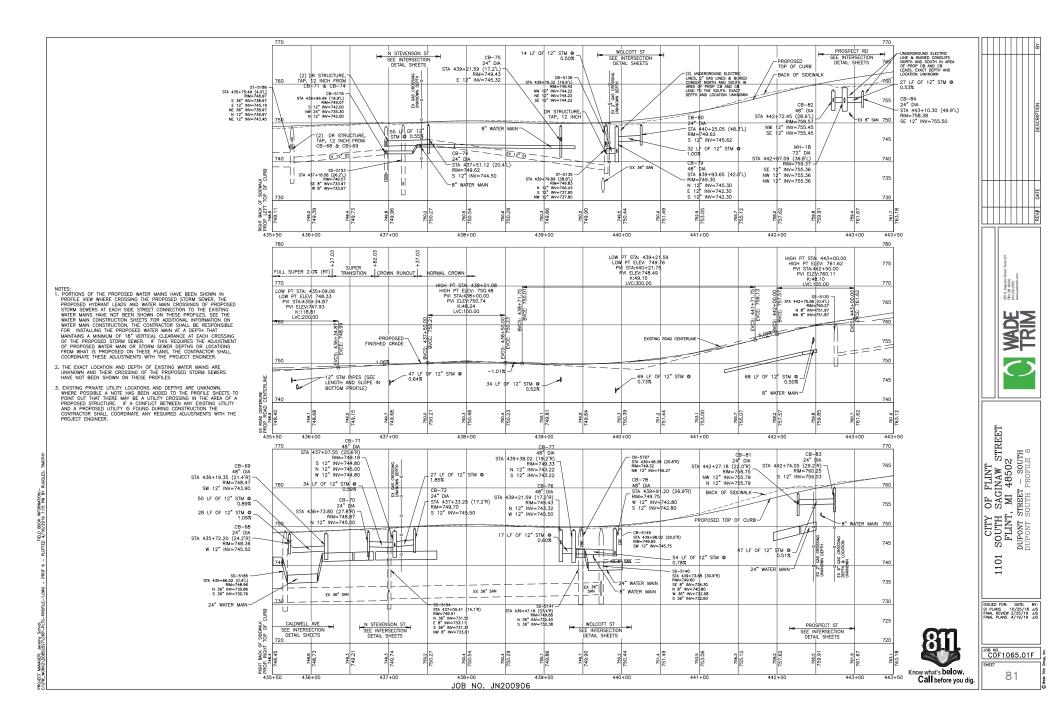


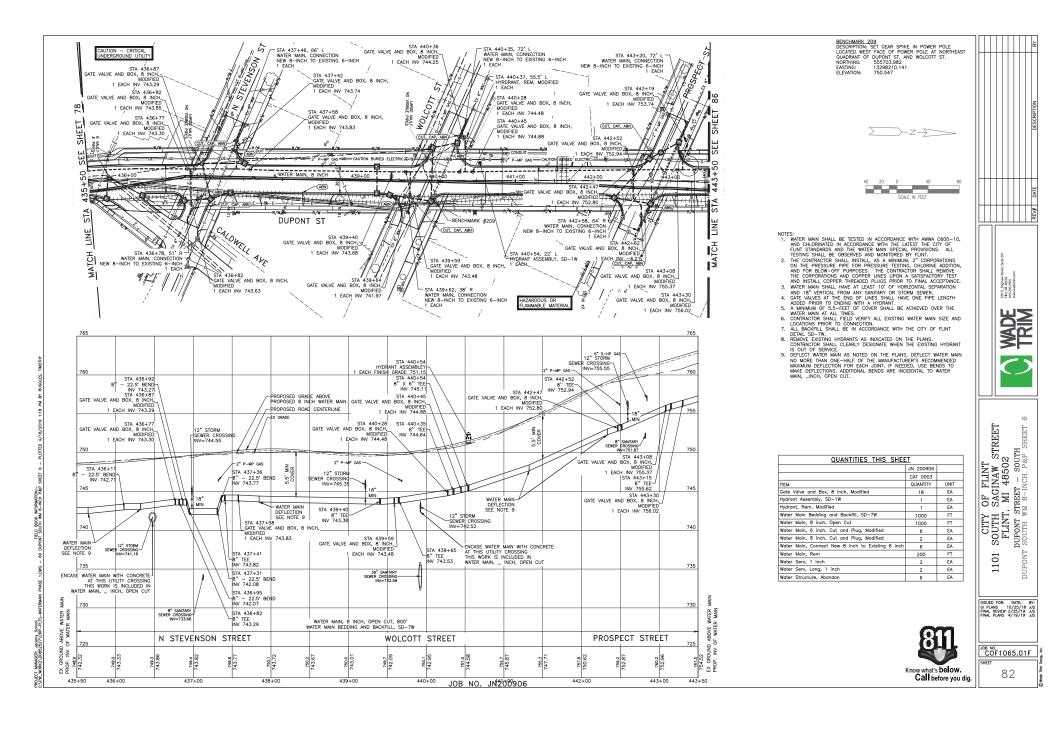


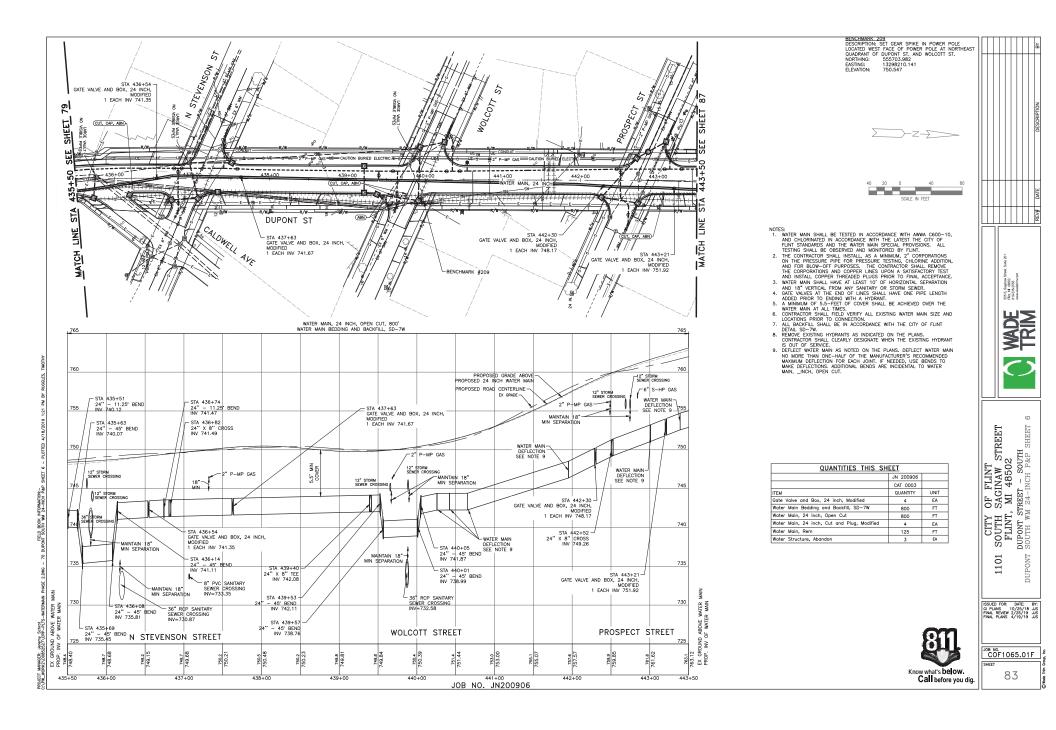


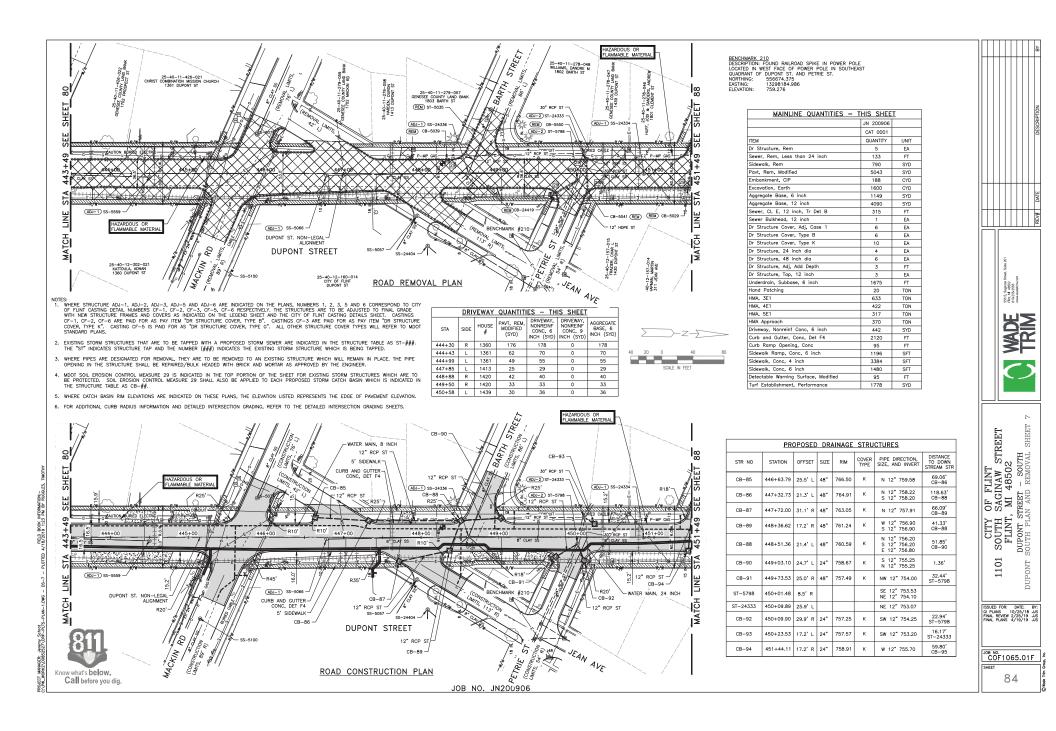


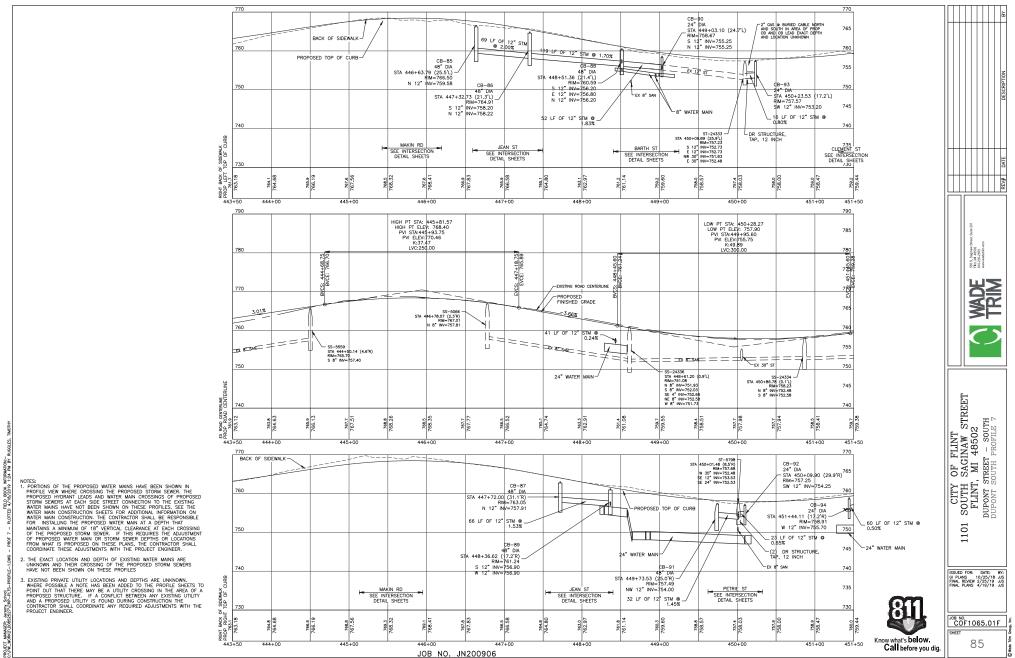




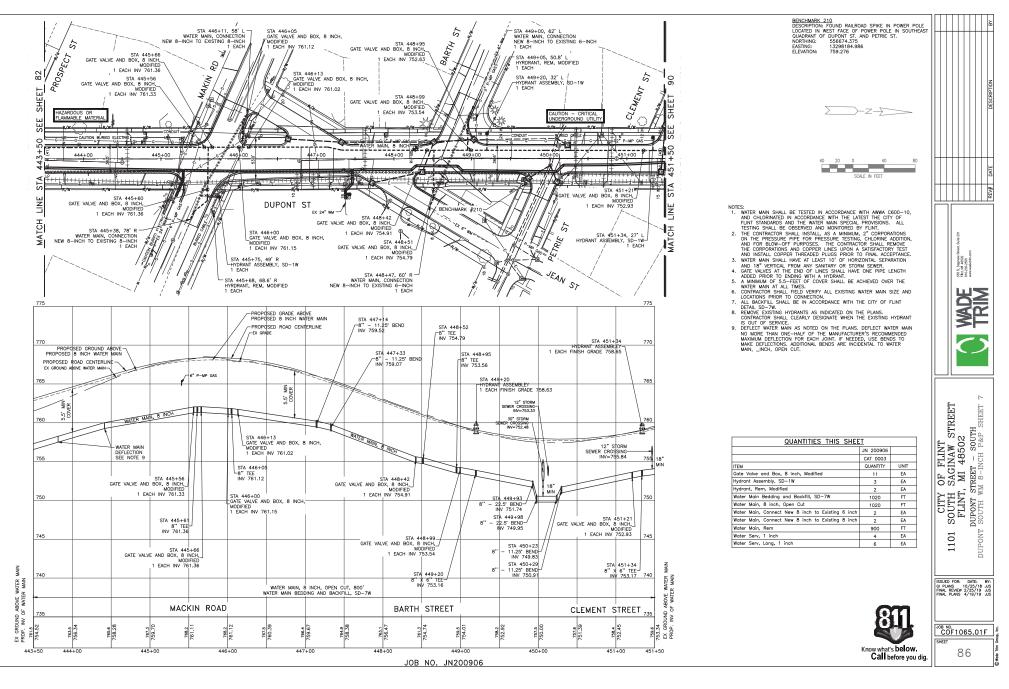




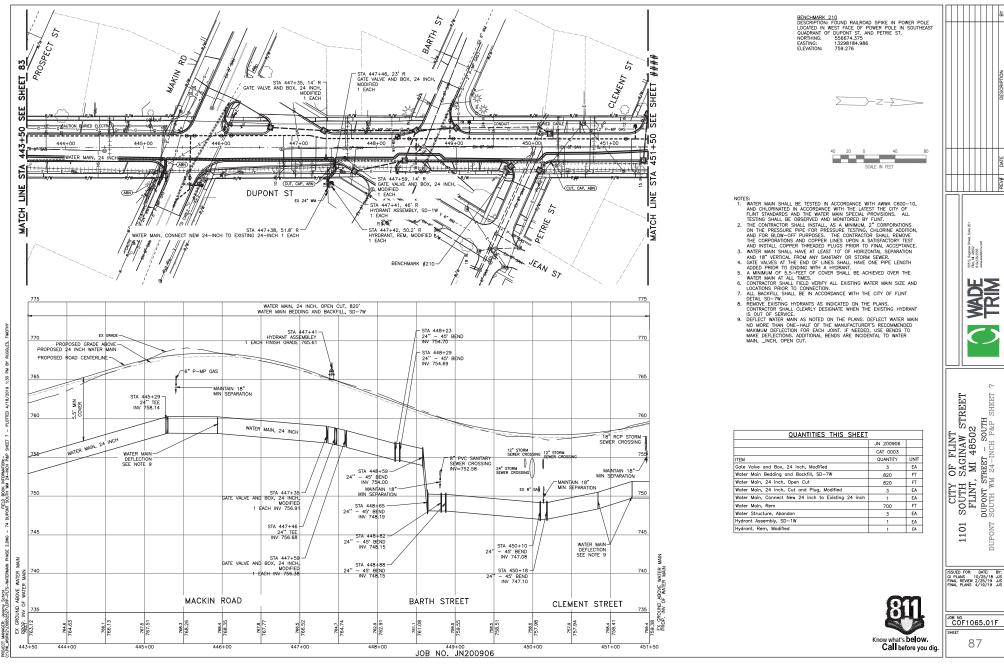




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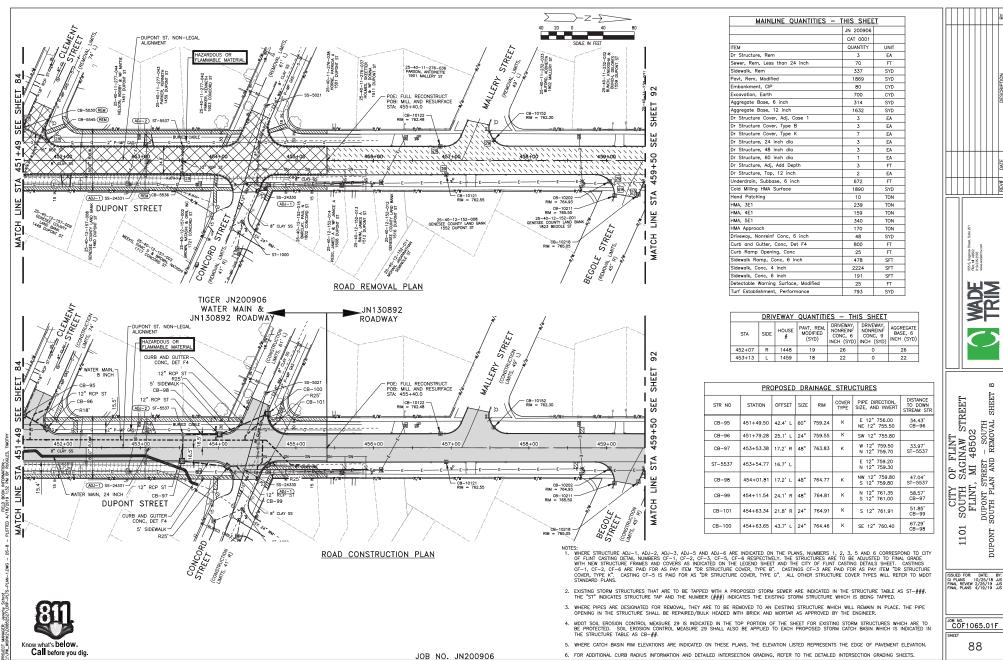
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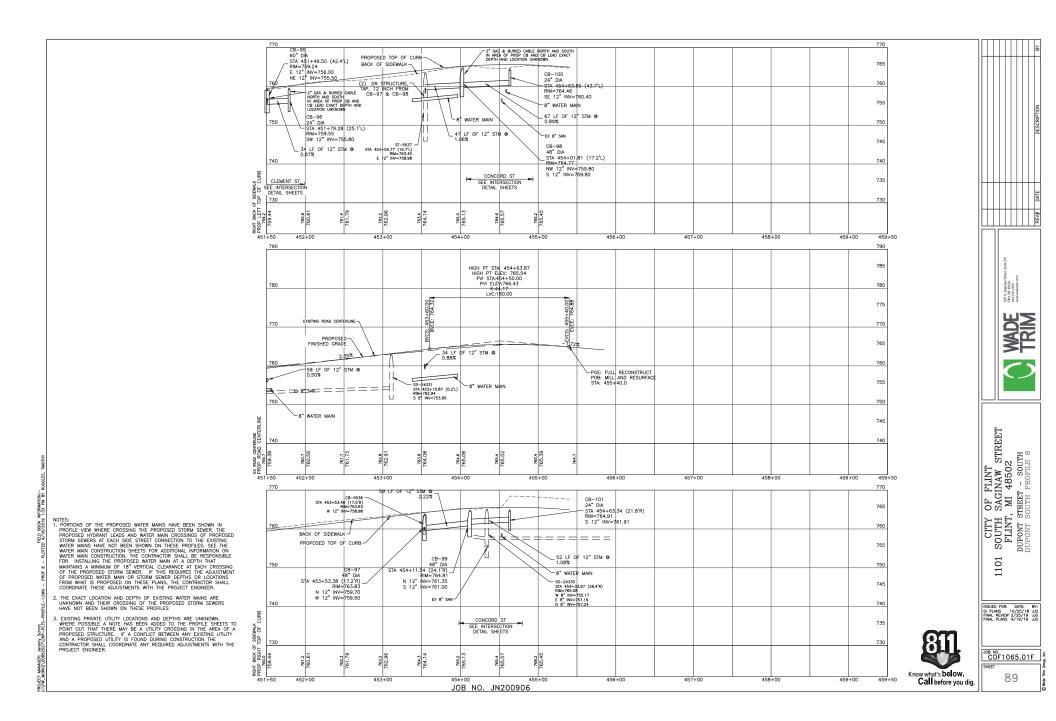


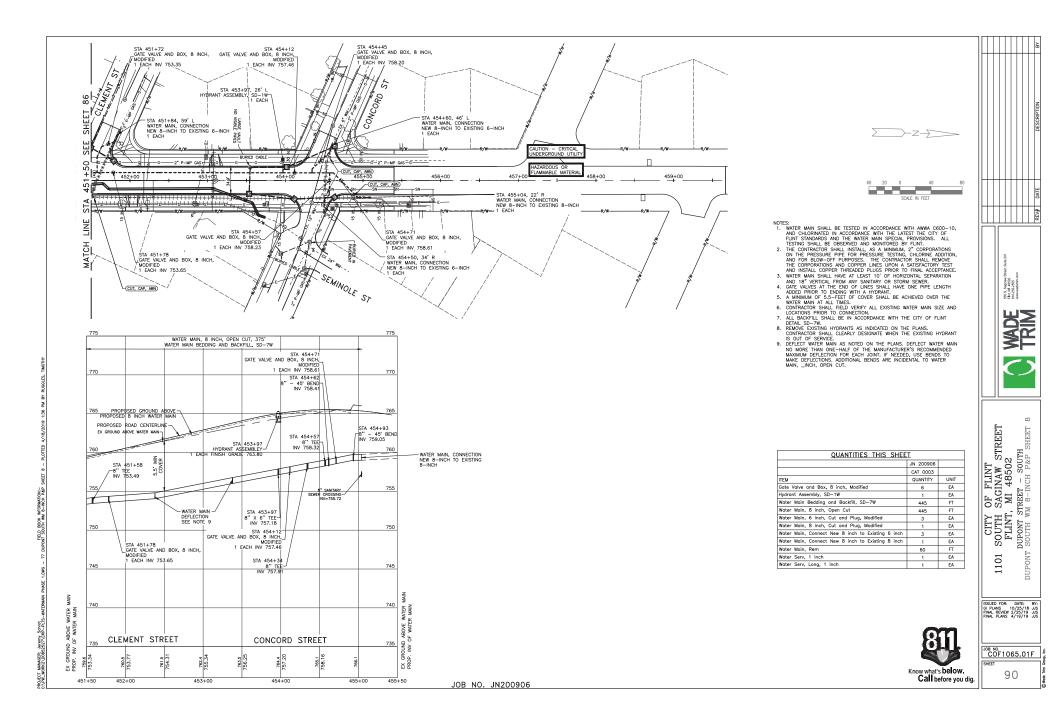
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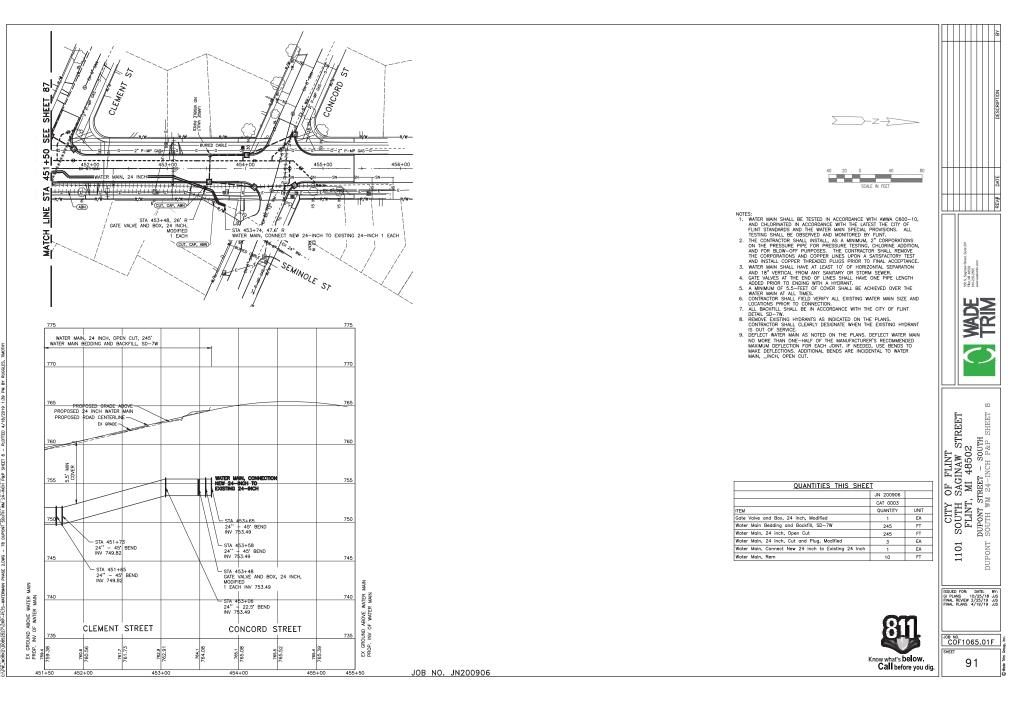
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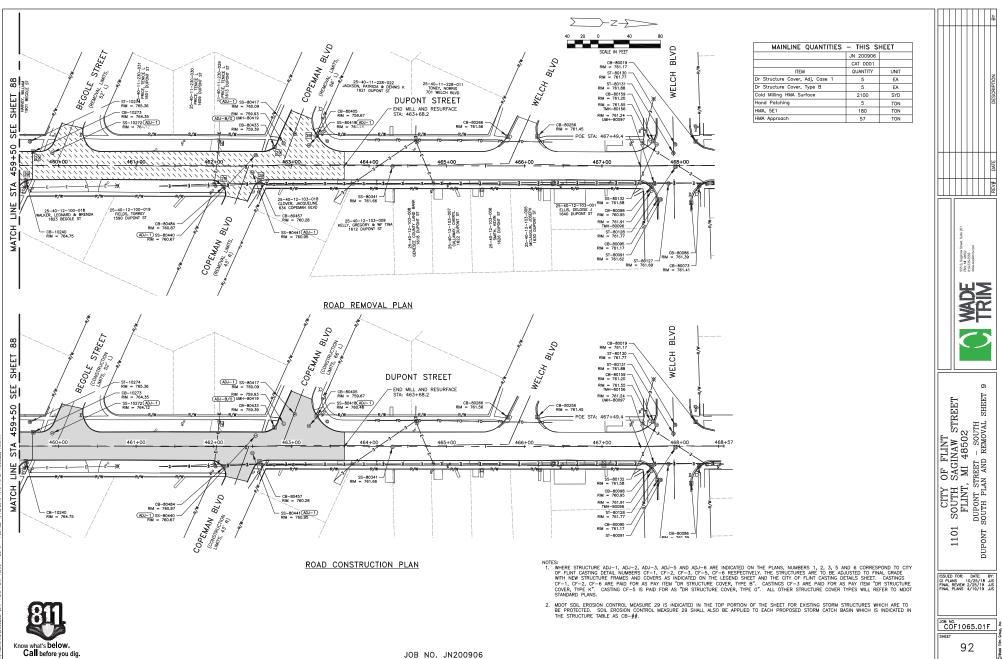
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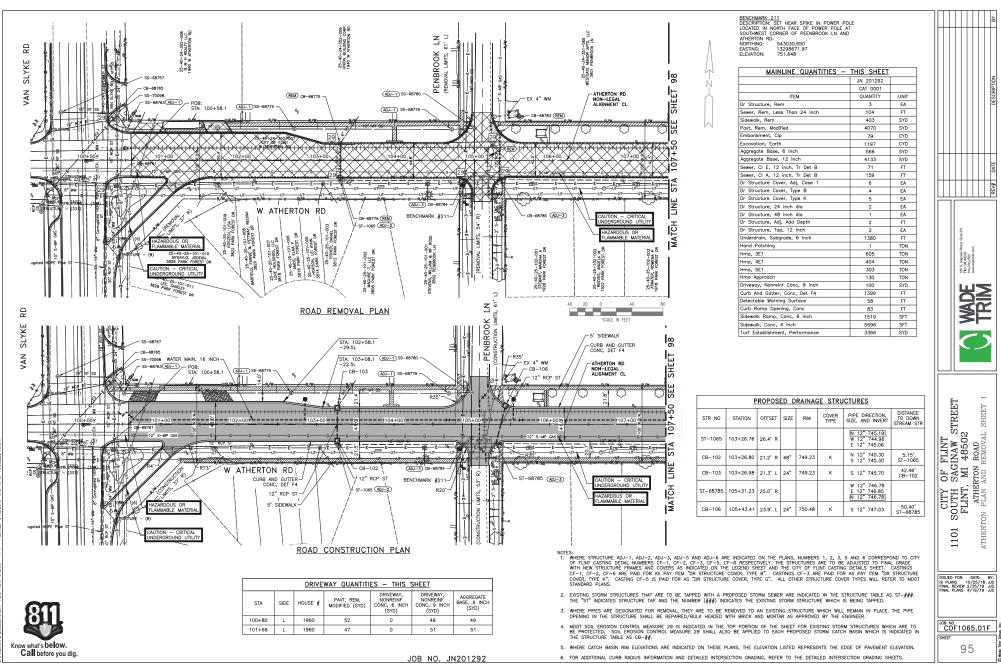
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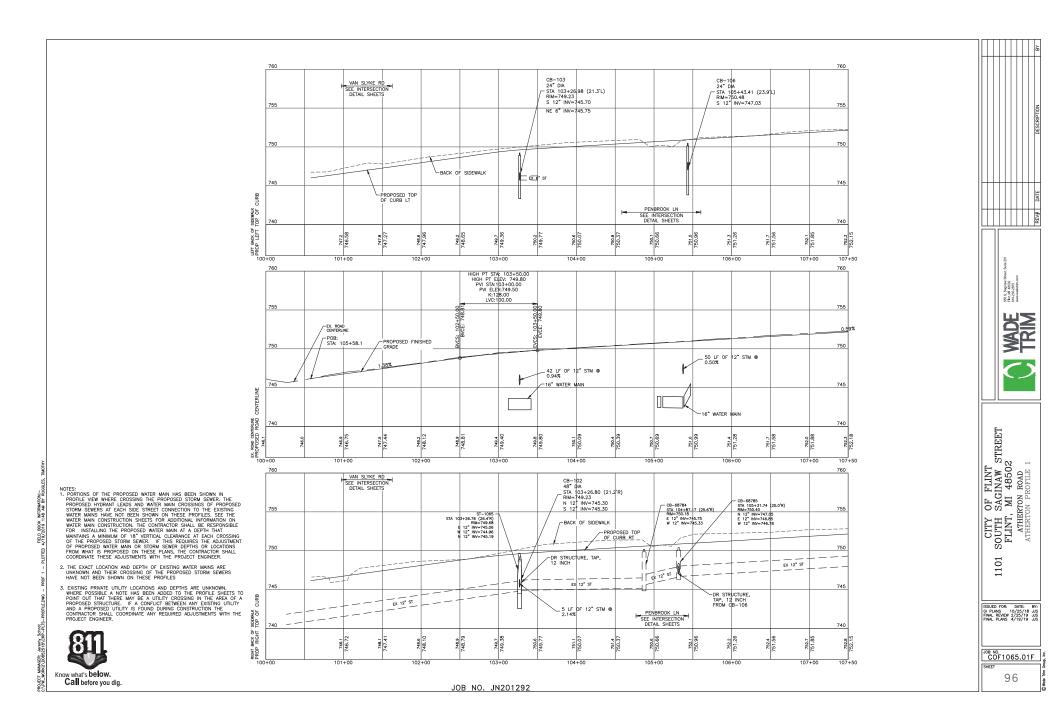
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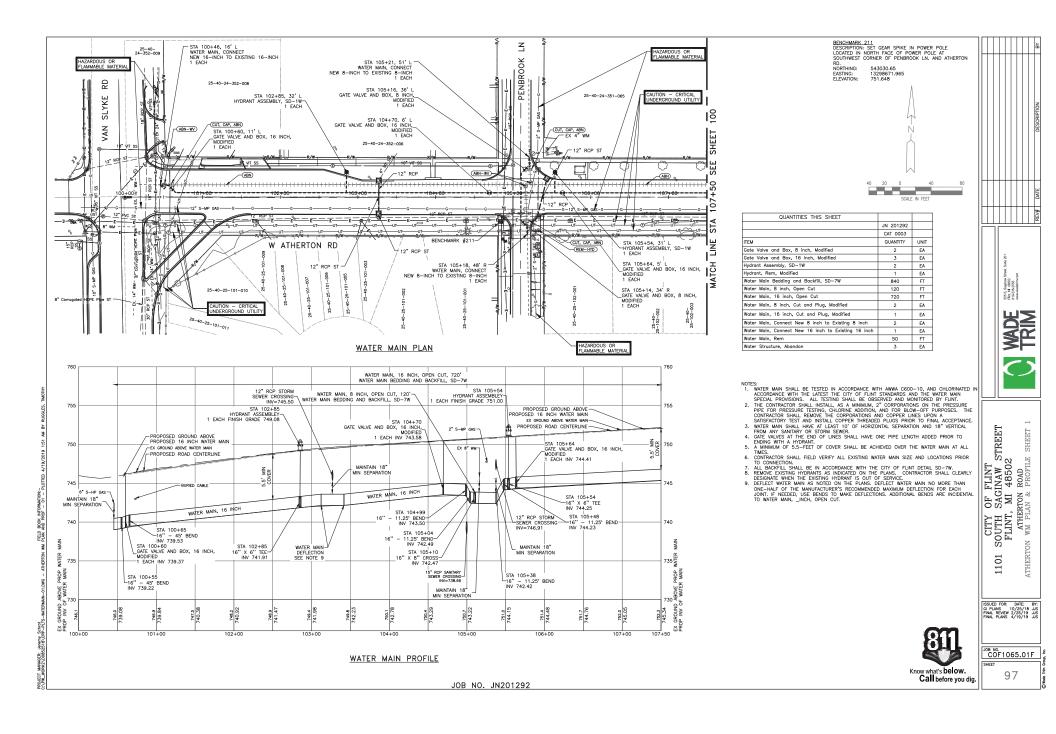
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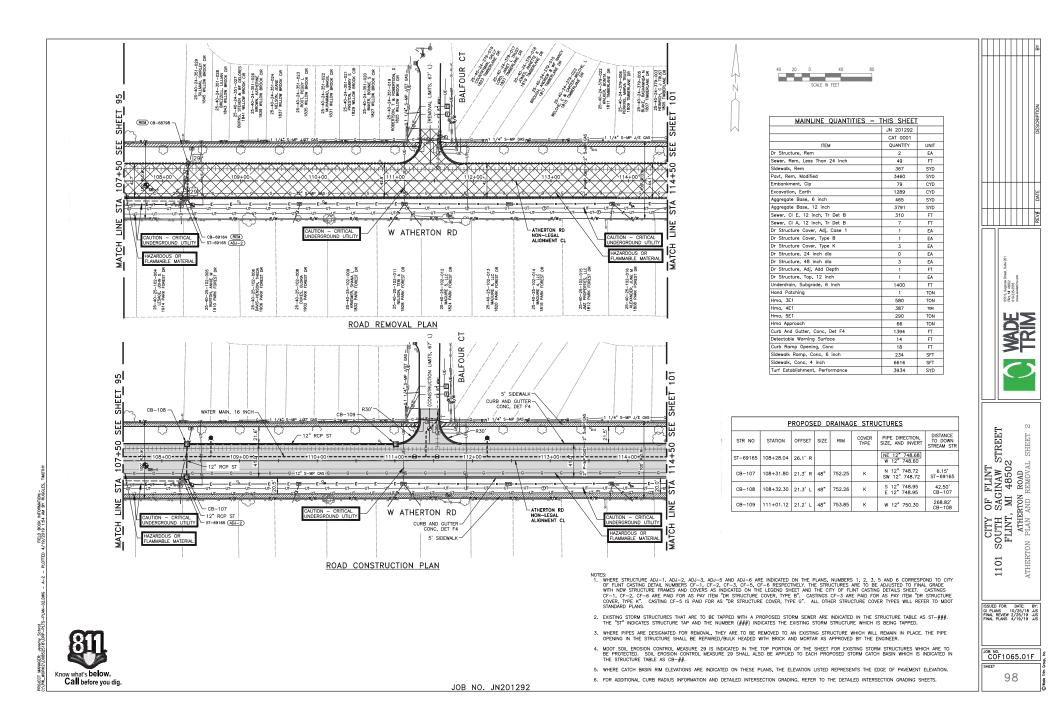
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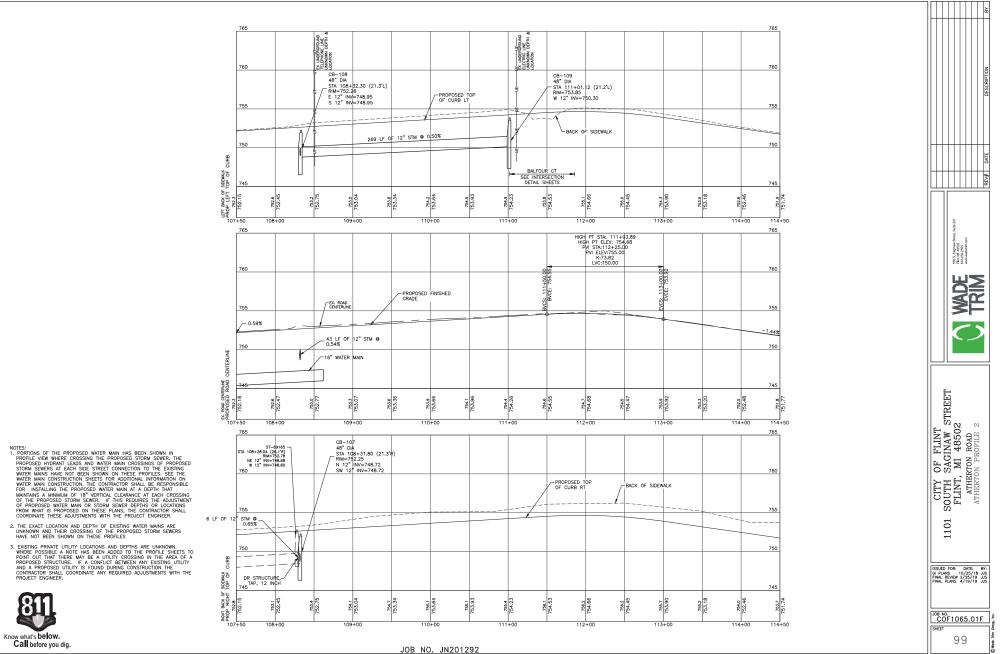
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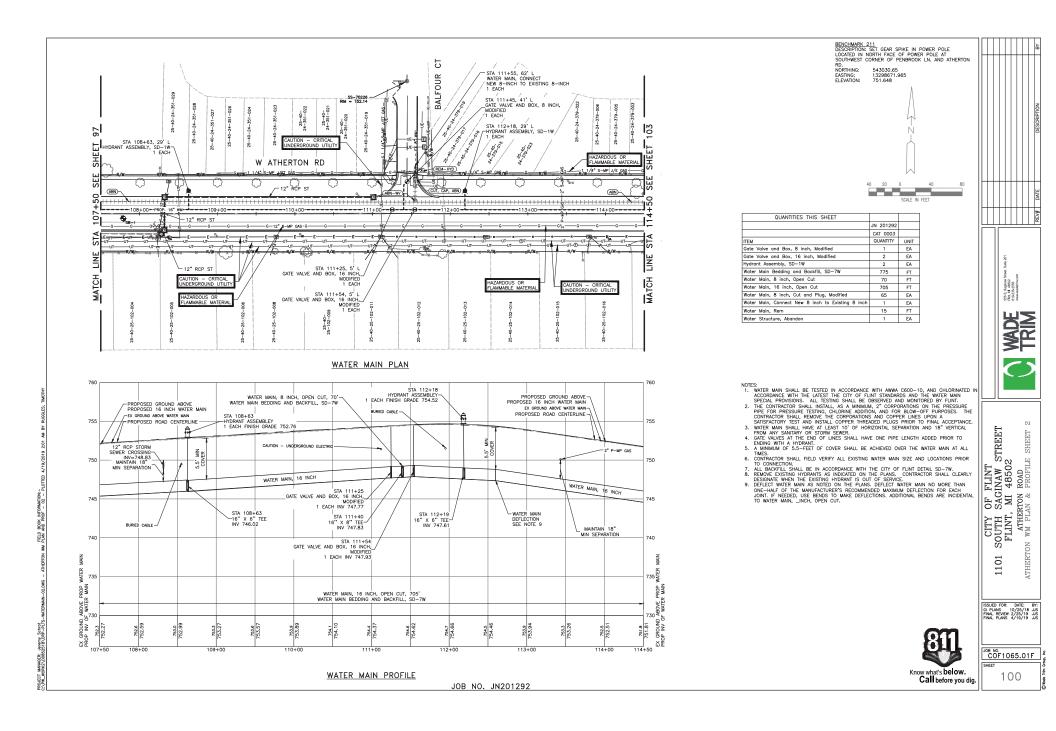


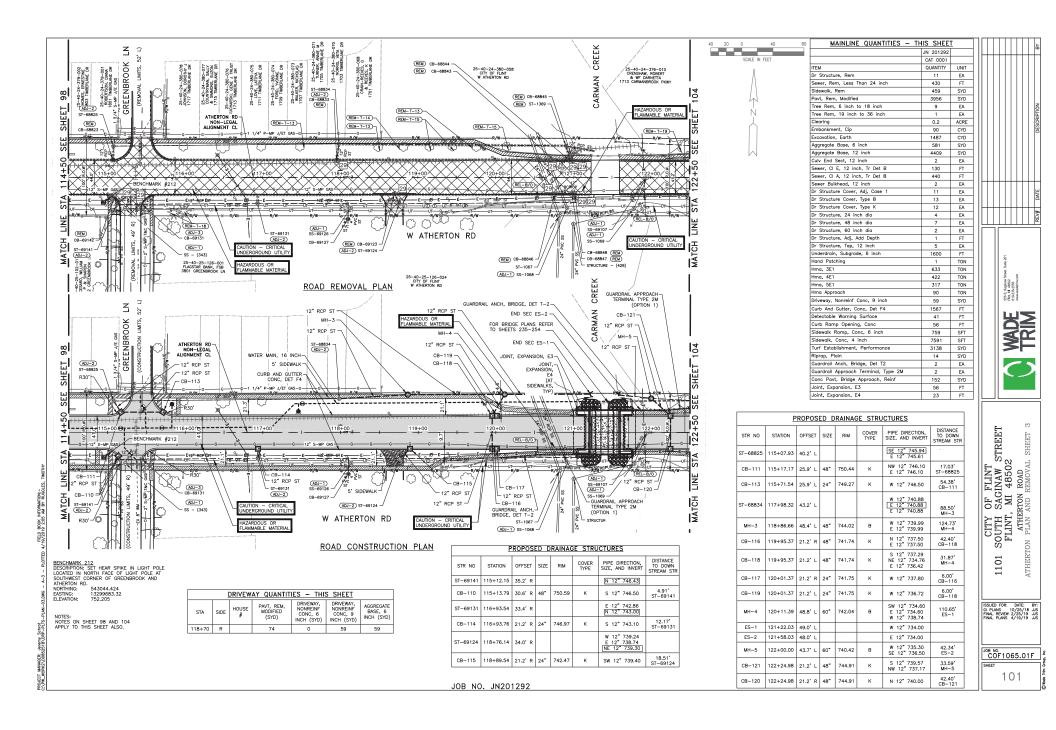
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PROJECT MANAGER: Jeremy Schrot C:\PW_WORK2\D0852518\CRP-PLTS

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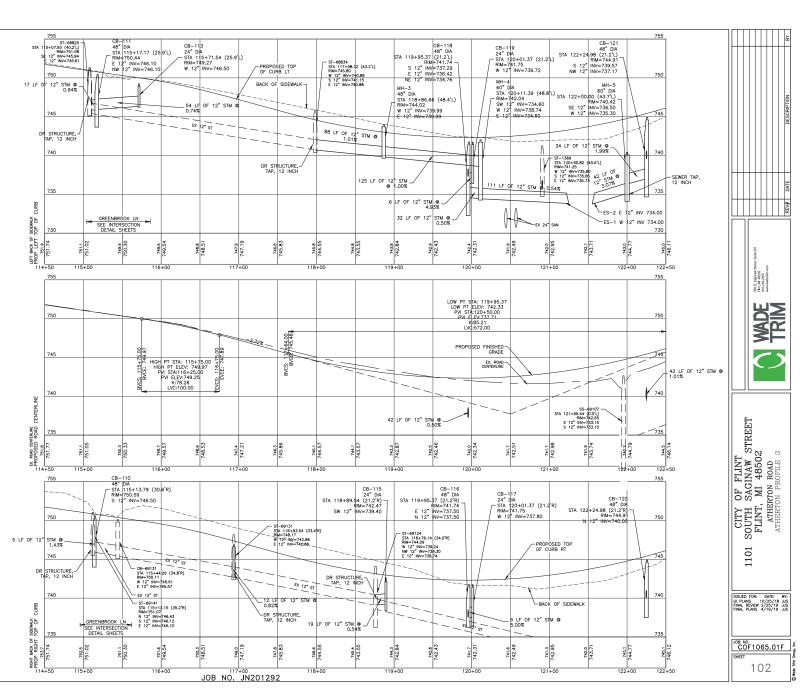




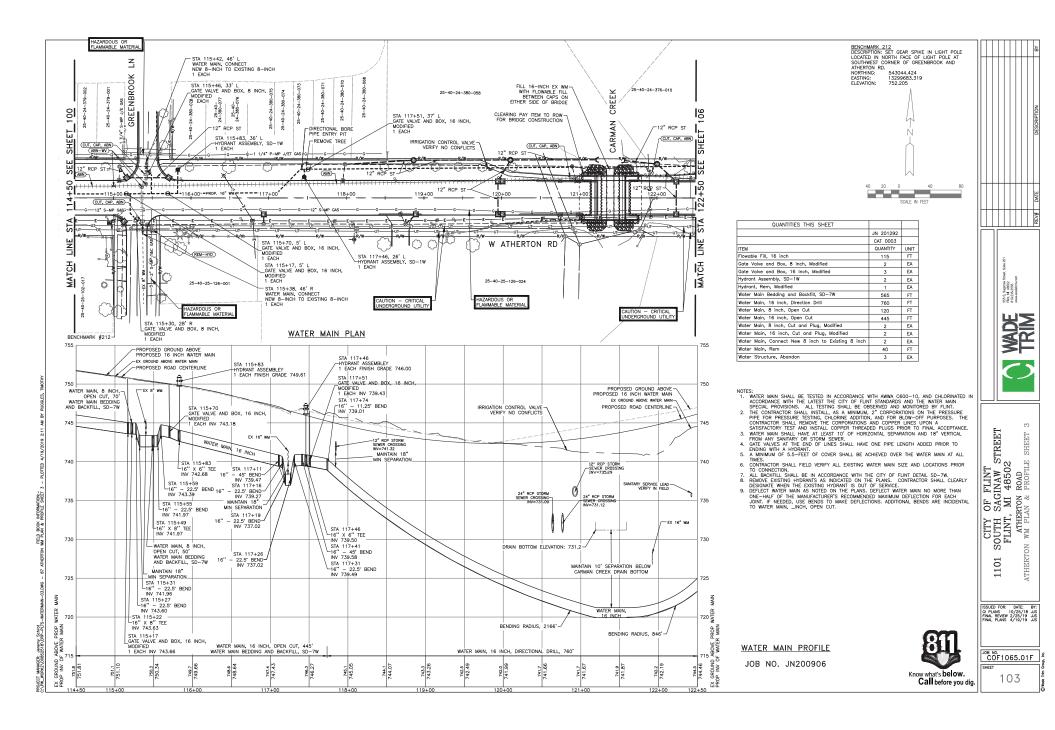
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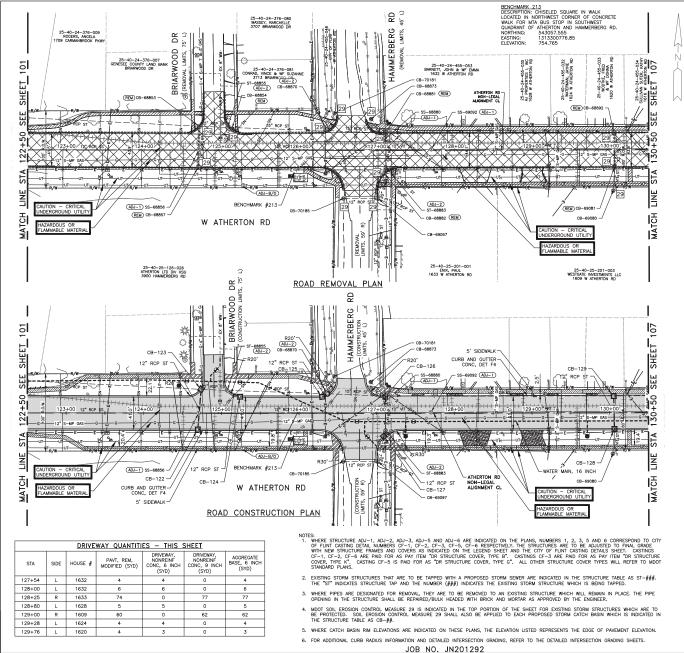
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AN N RFG BFG FIELD BOOK 4/19/2019 2: Jeremy Schrot 52518\CRP-PLTS PROJECT MANAGER:





SCALE IN	FEET	
MAINLINE QUANTITIES -	- THIS SHE	ET
	JN 201292	
	CAT 0001	
ITEM	QUANTITY	UNIT
Dr Structure, Rem	7	EA
Sewer, Rem, Less Than 24 inch	108	FT
Sidewalk, Rem	708	SYD
Pavt, Rem, Modified	4435	SYD
Embankment, Cip	90	CYD
Excavation, Earth	1415	CYD
Aggregate Base, 6 inch	729	SYD
Aggregate Base, 12 inch	4583	SYD
Sewer, CI A, 12 inch, Tr Det B	126	FT
Sewer Bulkhead, 12 inch	1	EA
Dr Structure Cover, Adj, Case 1	5	EA
Dr Structure Cover, Type B	5	EA
Dr Structure Cover, Type K	8	EA
Dr Structure, 24 inch dia	4	EA
Dr Structure, 48 inch dia	4	EA
Dr Structure, Adj, Add Depth	1	FT
Dr Structure, Tap, 12 inch	3	EA
Underdrain, Subgrade, 6 inch	1600	FT
Hand Patching	1	TON
Hma, 3E1	663	TON
Hma, 4E1	442	TON
Hma, 5E1	331	TON
Hma Approach	161	TON
Driveway, Nonreinf Conc, 6 inch	22	SYD
Driveway, Nonreinf Conc, 9 inch	139	SYD
Curb And Gutter, Conc, Det F4	1705	FT
Detectable Warning Surface	103	FT
Curb Ramp Opening, Conc	132	FT
Sidewalk Ramp, Conc, 6 inch	2791	SFT
Sidewalk, Conc, 4 inch	5831	SFT
Turf Establishment, Performance	2921	SYD

PROPOSED DRAINAGE STRUCTURES							
STR NO	STATION	OFFSET	SIZE	RIM	COVER TYPE	PIPE DIRECTION, SIZE, AND INVERT	DISTANCE TO DOWN STREAM STR
CB-122	124+69.64	21.1' R	24"	752.68	к	N 12" 748.00	51.94' CB-123
CB-123	124+73.80	30.6' L	48"	752.86	к	E 15" 745.66 W 15" 745.51 S 12" 747.61	319.91'
ST-68855	125+07.34	29.3' L	1			E 15" 746.92 W 15" 746.92 SE 12" 749.00	33.57' CB-123
CB-124	125+24.14	21.2' L	24"	753.48	к	NW 12" 749.10	18.64' ST-68855
CB-125	126+29.63	21.3' L	48"	754.04	к	NE 12" 748.85	8.02' ST-68870
ST-68870	126+36.54	25.4' L	~	· · · · · ·	a series and	E 15" 747.40 W 15" 747.40 SW 12" 748.74	129.26' ST-68855
CB-127	127+09.04	29.6'R	24"	753.92	к	N 12" 749.95 S 12" 749.89	7.90' ST-68883 2.64'
CB-126	127+11.12	21.6' L	48"	754.39	к	E 12" 748.04 W 15" 747.81 NW 12" 749.81 S 12" 748.04	74.56' ST-68870 2.89' 2.25'
ST-68883	127+11.26	22.0' R		1999 A.	1. A.	S 12" 749.89	
CB-129	130+05.33	21.2' L	48"	755.63	к	E 12" 750.94 W 12" 750.94 S 12" 750.99	294.21' CB-126
CB-128	130+06.11	21.3' R	24"	755.63	к	N 12" 751.40	42.43' CB-129
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ISSUED FOR: DATE: BY: GI PLANS 10/25/18 JJS FINAL REVIEW 2/25/19 JJS FINAL PLANS 4/19/19 JJS

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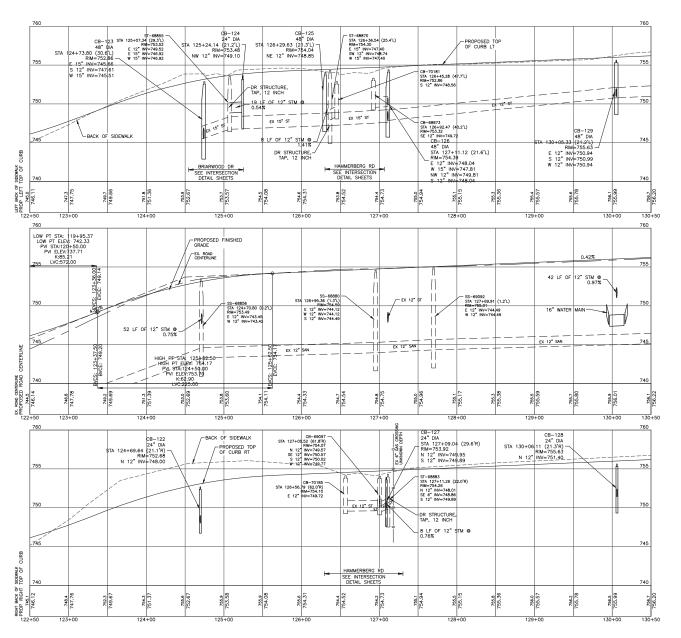
OF FLINT SAGINAW STREET MI 48502

555 S. Segrew Flet, M. 46502 810.235.2565

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NOTES: 1. PORTIONS OF THE PROPOSED WATER MAIN HAS BEEN SHOWN IN PROFILE VEW WHERE CROSSING THE PROPOSED STORM SEWER. THE PROPOSED HYDRATL LEADS AND WATER MAIN CROSSINGS OF PROPOSED STORM SEWERS AT EACH SIDE STERET CONNECTION TO THE EVISITION WATER MAINS HAVE MOT BEEN SHOWN ON THESE PROFILES. SEE THE WATER MAINS HAVE MOT BEEN SHOWN ON THESE PROFILES. SEE THE WATER MAINS HAVE MOT BEEN SHOWN ON THESE PROFILES. SEE THE WATER MAIN CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PROPOSED WATER MAIN AT A DEPTH THAT MINITARIS A MINIMUM OF THE STORM SEWER. IF THIS REQUIRES THE ADJUSTMENT OF THE PROPOSED STORM SEWER. IF THIS REQUIRES THE ADJUSTMENT FOR CONSTRUCTION SEVER. IN THIS PERFONSION CONTINUE COORDINATE THESE ADJUSTMENTS WITH THE PROJECT ENGINERAL

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FIELD BOOK INFORMATION 4/19/2019 2:18 AM BY

LOTTED

Jeremy Schrot 2518\CRP-PLT

PROJECT MANAGER:

REV#

555 S. Seginau S Flet, MI 48502 810 235 2555 www.wadetrin.co

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CITY OF FLINT SOUTH SAGINAW STREET FLINT, MI 48502 ATHERTON ROAD ATHERTON PROFILE 4

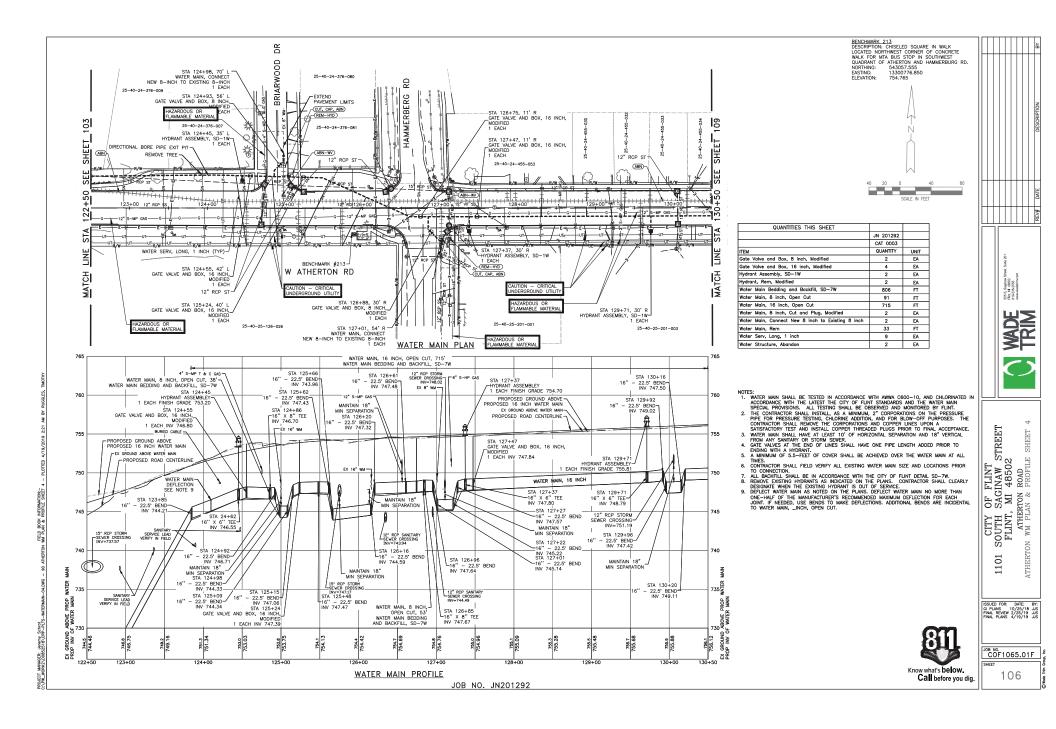
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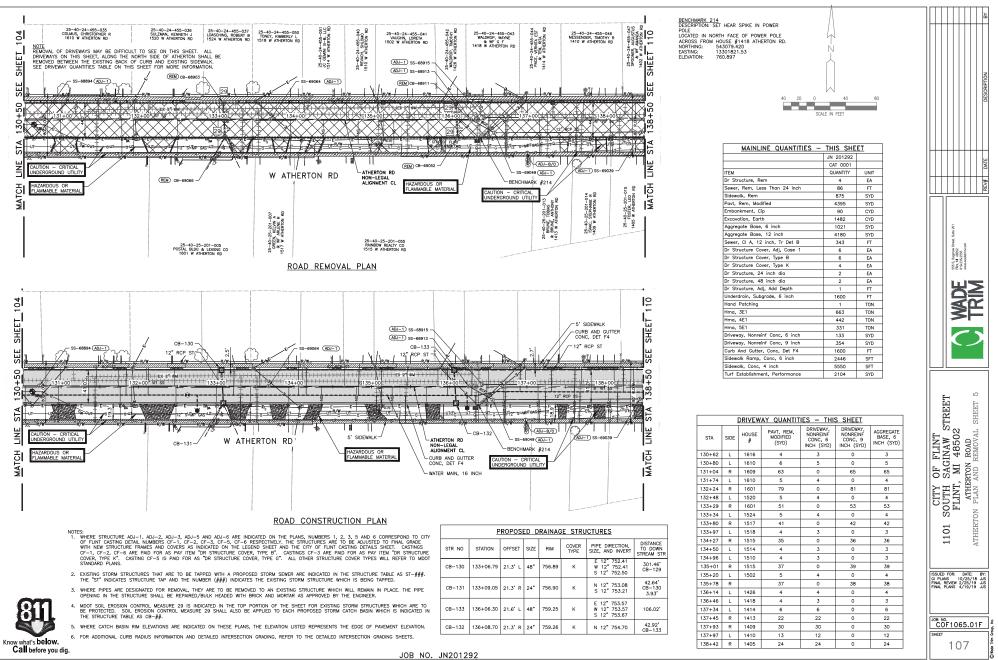
ISSUED FOR: DATE: BY: GI PLANS 10/25/18 JJS FINAL REVIEW 2/25/19 JJS FINAL PLANS 4/19/19 JJS

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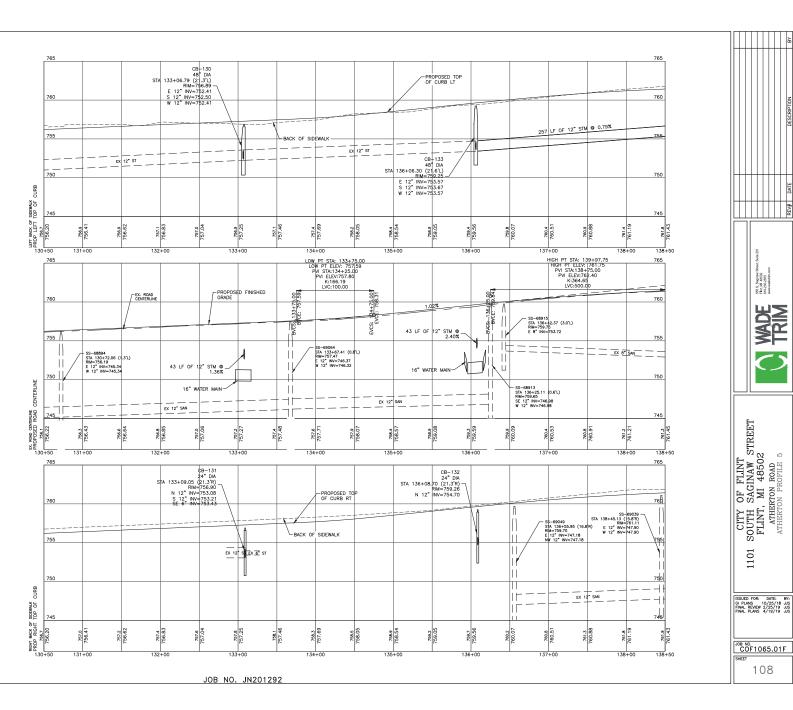


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NOTES: 1. PORTIONS OF THE PROPOSED WATER MAIN HAS BEEN SHOWN IN PROFILE VEW WHERE CROSSING THE PROPOSED STORM SEWER. THE PROPOSED HYDRAUT LEADS MAD WATER MAIN CROSSINGS OF PROPOSE WATER MAINS HAVE NOT BEEN SHOWN ON THESE PROFILES. SEE THE WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL PROPONSIBLE FOR INSTALLING THE FROPOSED WITER MAIN AT A DEPTH THAT MAITANS AN MINIMUM OF THE VERTICAL CLEARANCE AT EACH CROSSING OF THE PROPOSED STORM SEWER. IF THIS REQUIRES THE ADJUSTMENT FROM WHAT IS PROPOSED ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE THESE ADJUSTMENTS WITH THE PROJECT ENGINEER.

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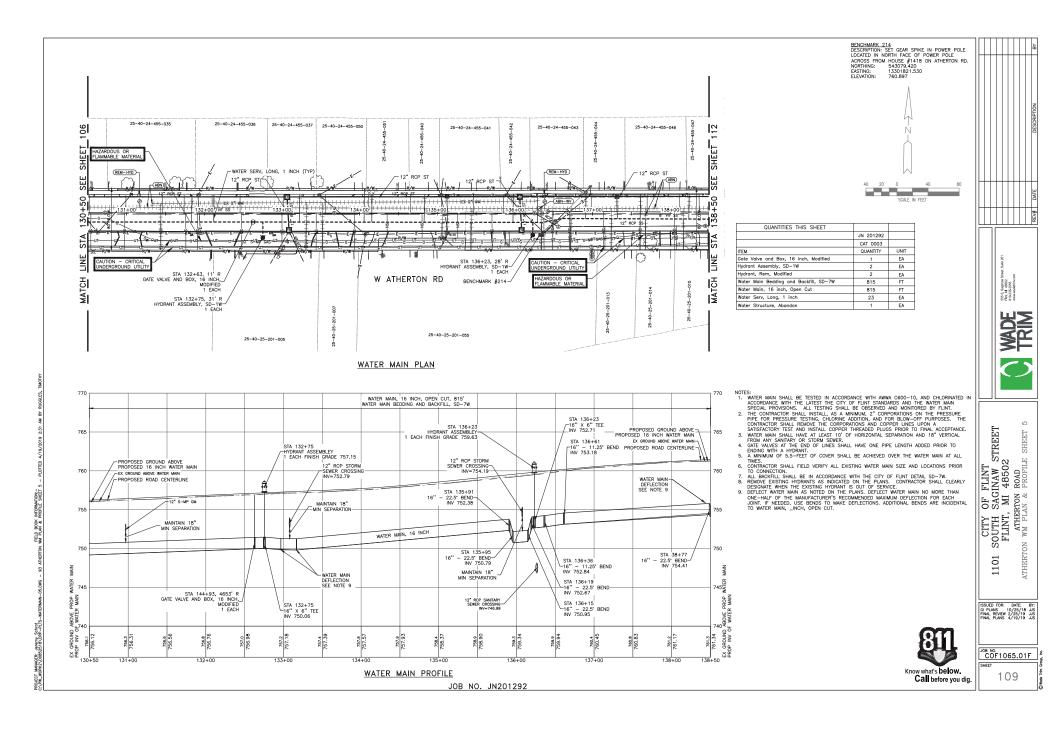


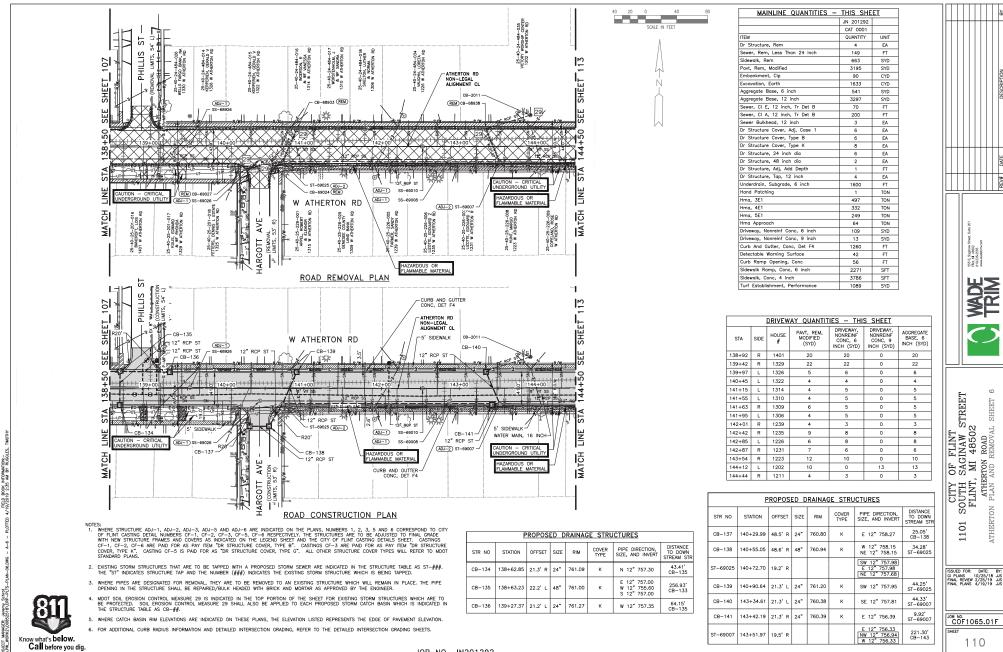


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FIELD BOOK INFORMATIO 4/19/2019 2:29 AM BY Jeremy Schrot 2518\CRP-PLT PROJECT MANAGER:





JOB NO. JN201292

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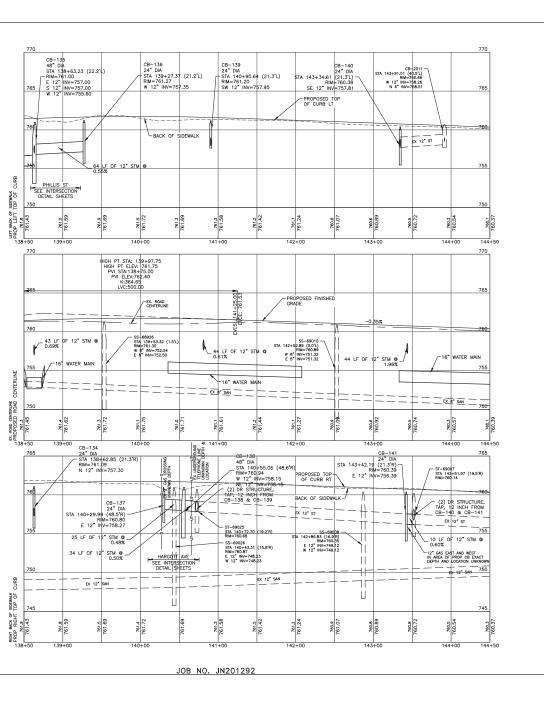
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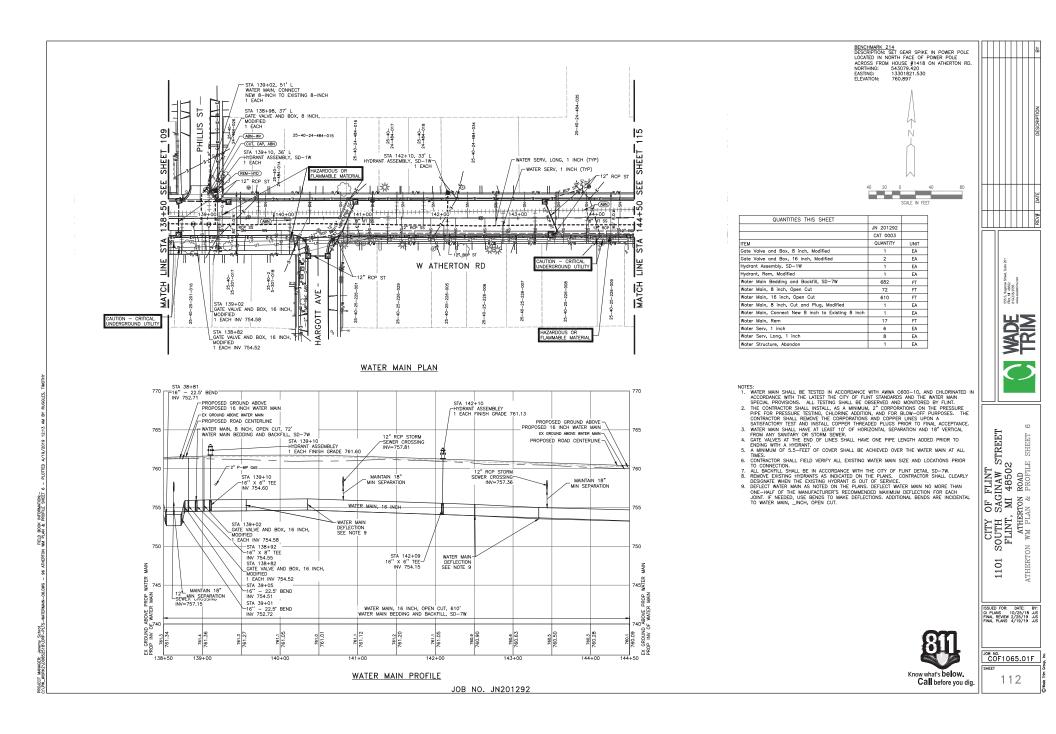
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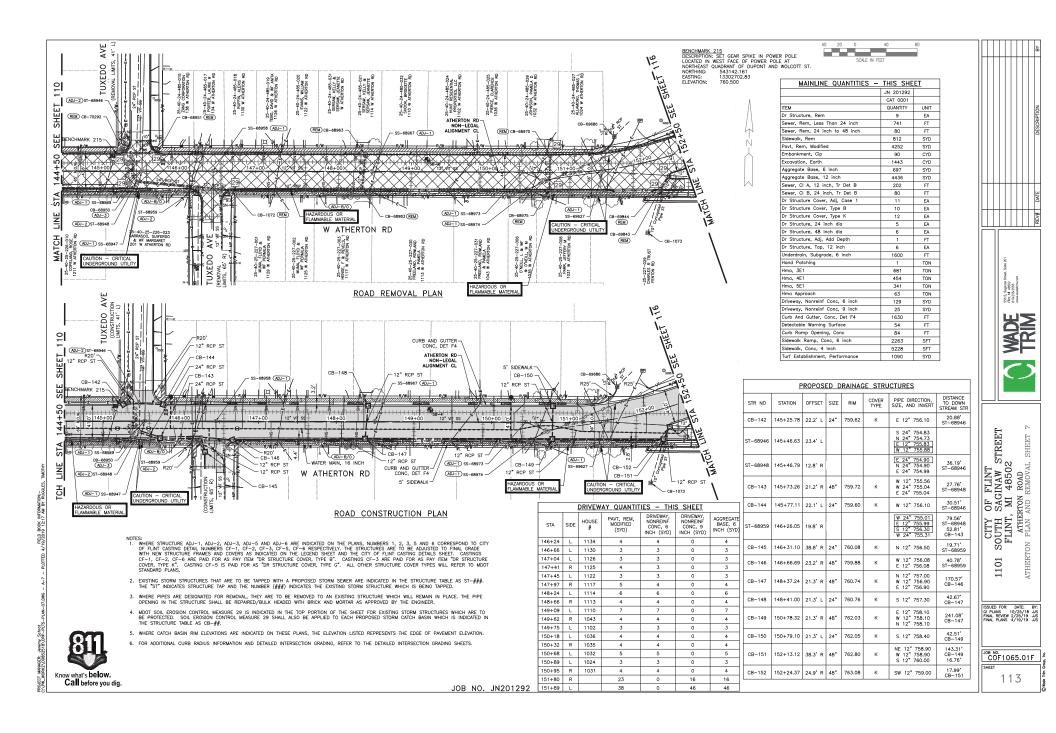
Jeremy Schrot 2518\CRP-PLT

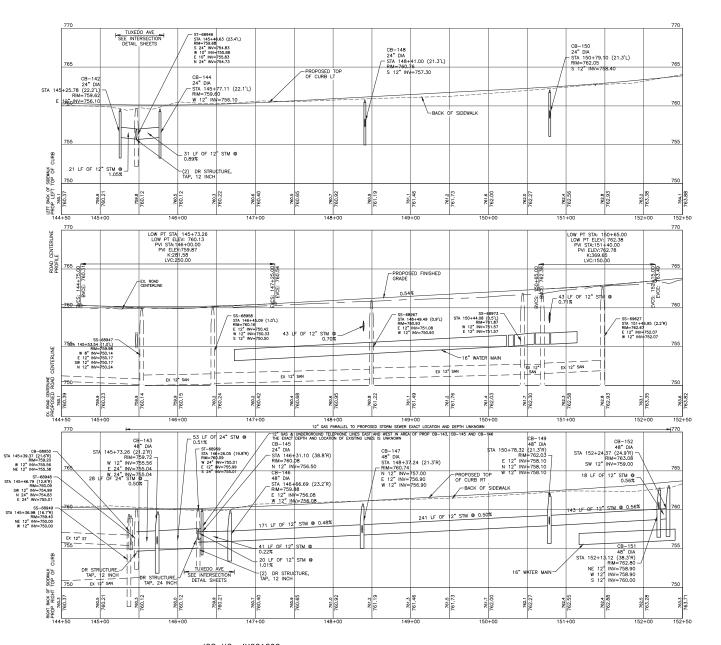
PROJECT MANAGER:











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FIELD BOOK 4/19/2019 1

Jeremy Schrot 2518\CRP-PLT

PROJECT MANAGER:



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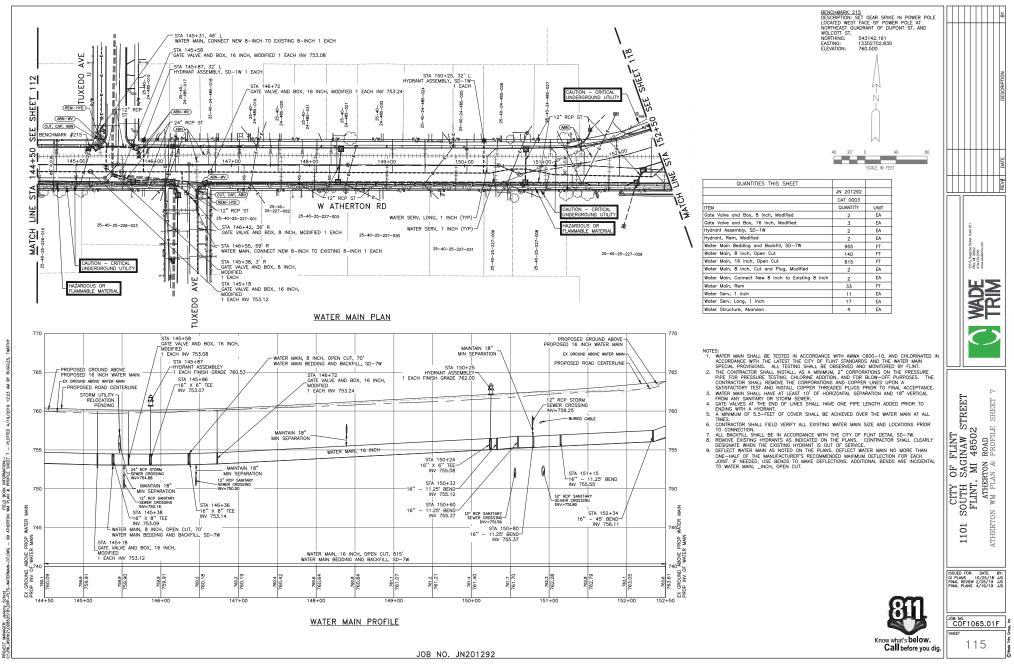
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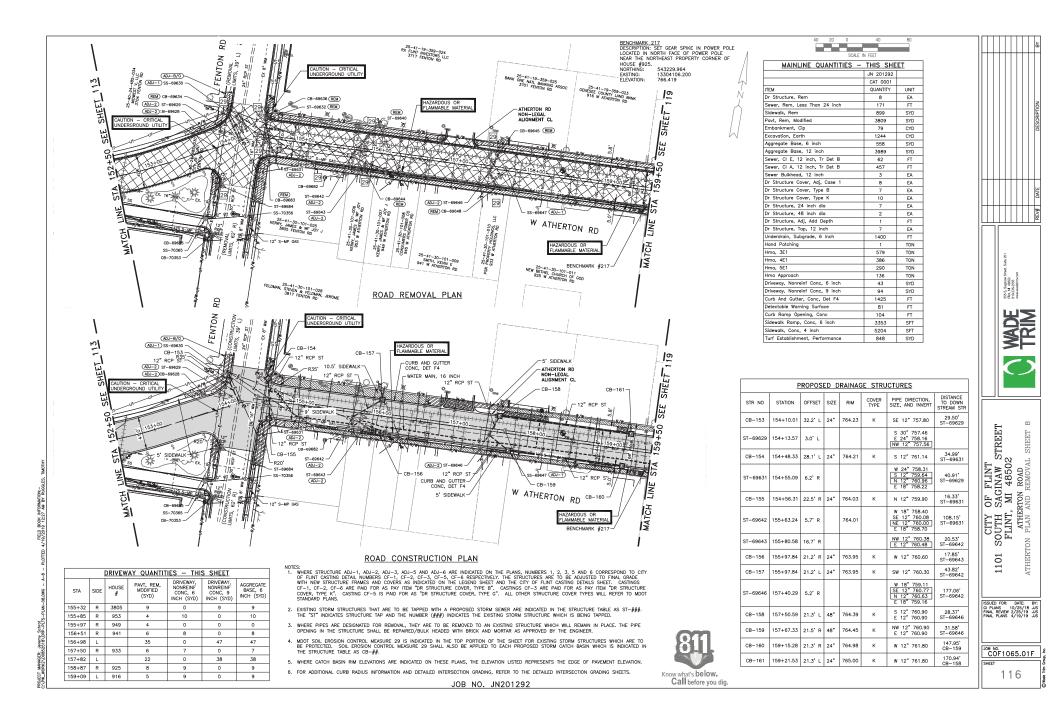
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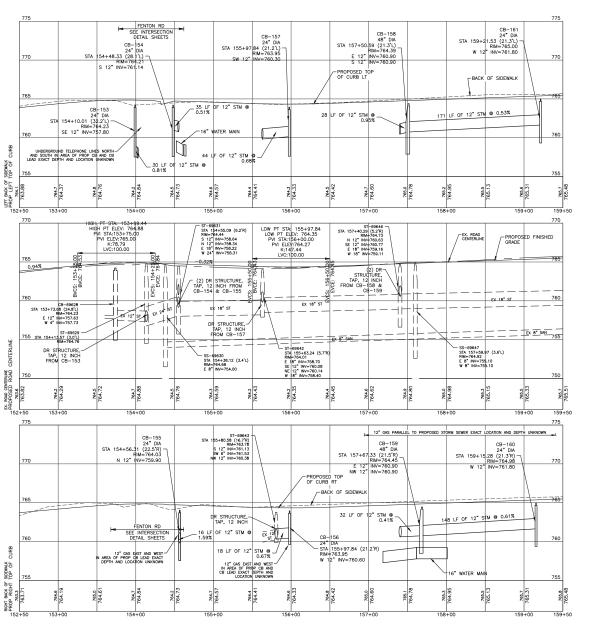
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CITY OF FLINT SOUTH SAGINAW STREET FLINT, MI 49502 ATHERTON ROAD ATHERTON ROAD

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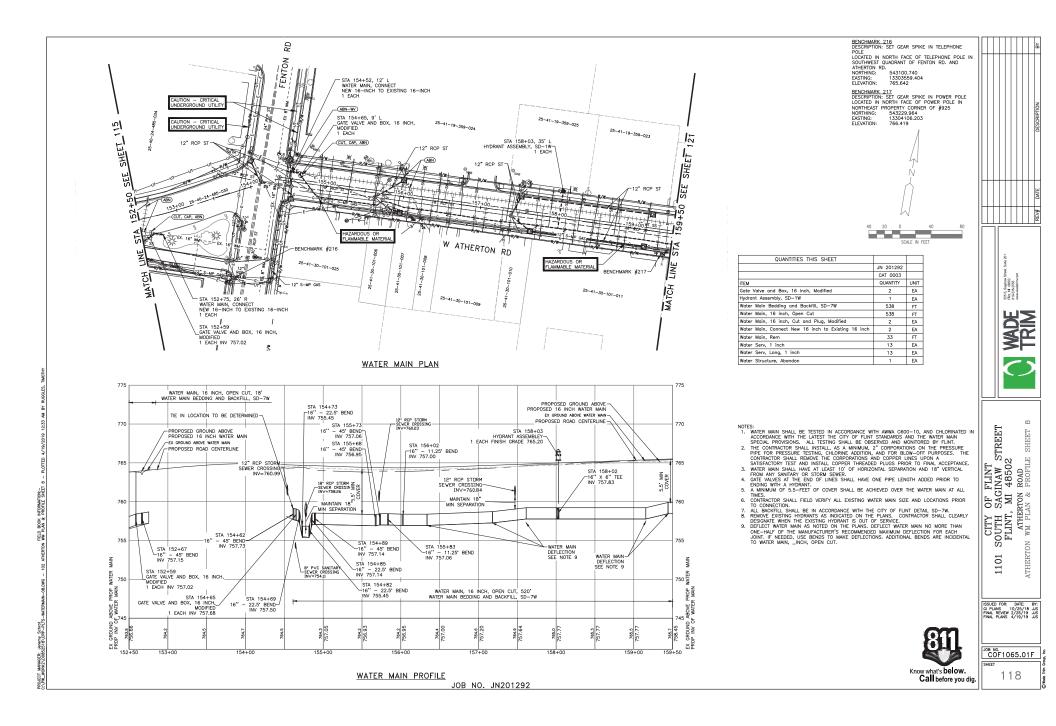


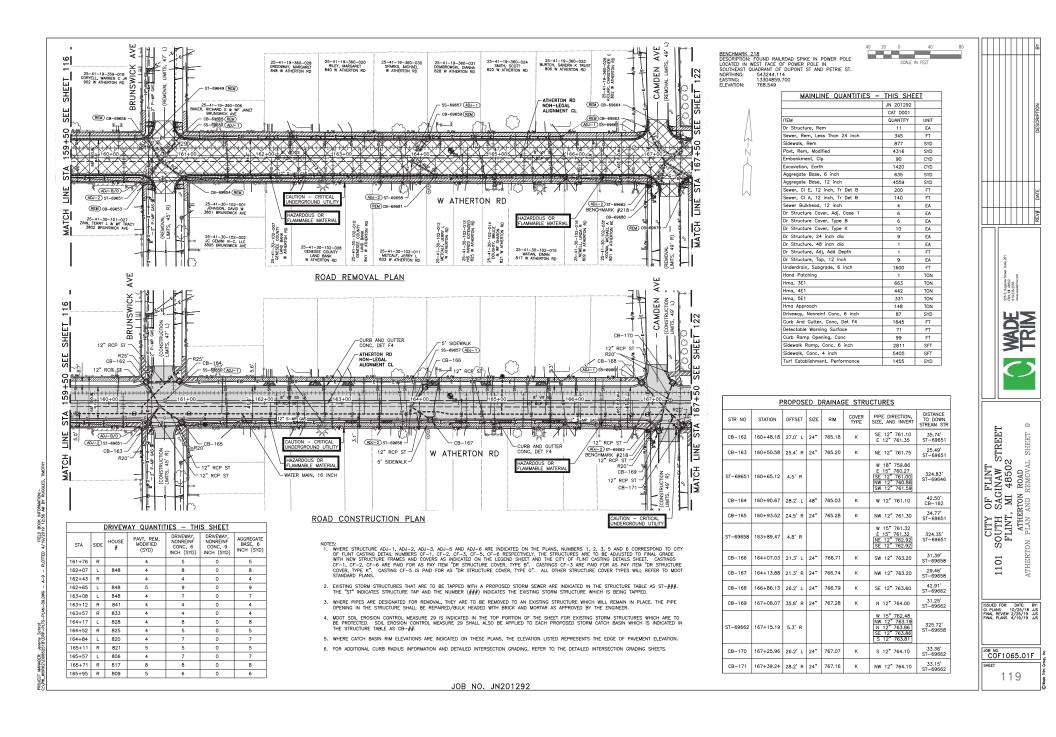
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Jeremy Schrol 2518\C8P_PI

PROJECT MANAGER:







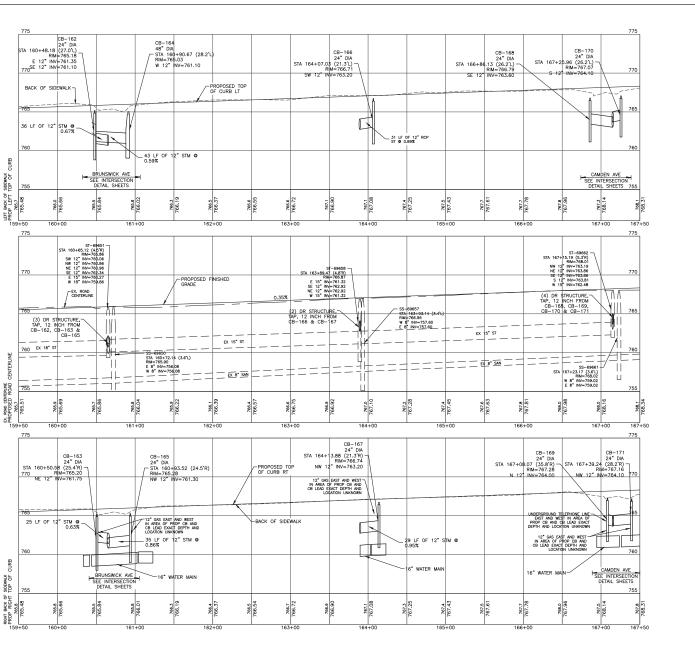
Jeremy Schrot 2518\CRP-PLT

PROJECT MANAGER:



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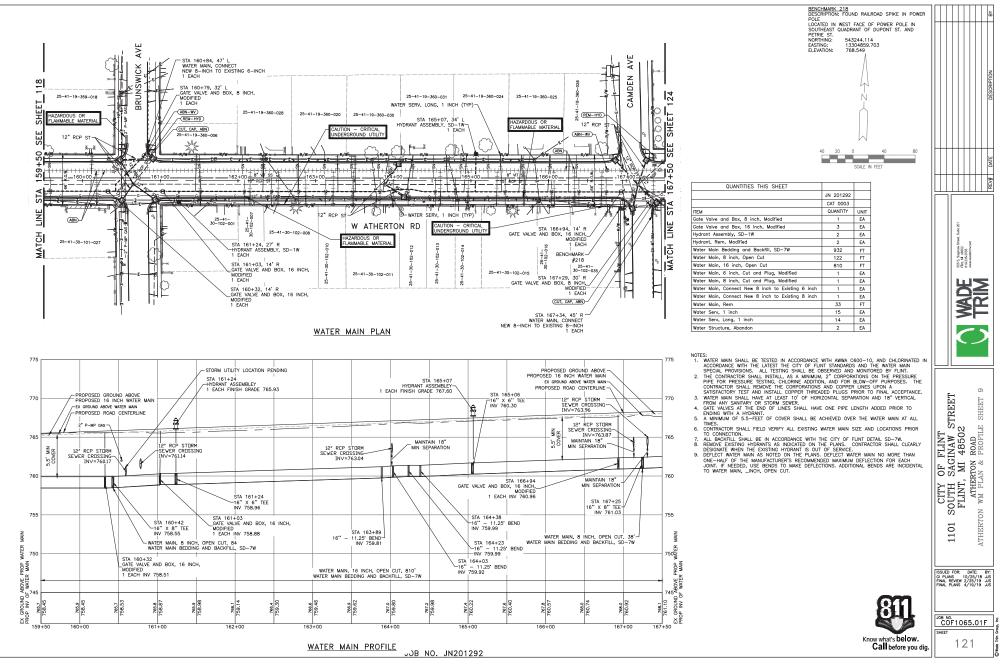
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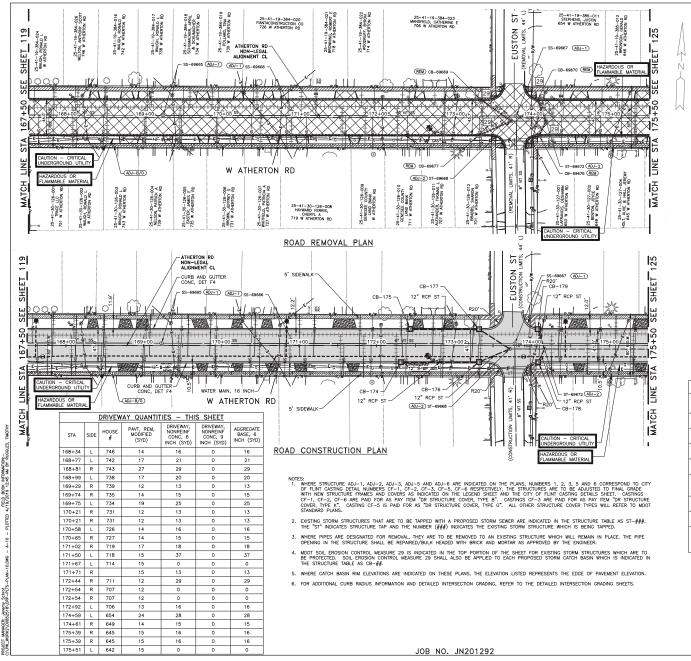
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CITY OF FLINT SOUTH SAGINAW STREET FLINT, MI 49502 ATHERTON ROAD ATHERTON ROAD

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MAINLINE QUANTITIES	- THIS SHE	ET
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	CAT 0001	
ITEM	QUANTITY	UNIT
Dr Structure, Rem	4	EA
Sewer, Rem, Less Than 24 inch	128	FT
Sidewalk, Rem	889	SYD
Pavt, Rem, Modified	4403	SYD
Embankment, Cip	90	CYD
Excavation, Earth	1459	CYD
Aggregate Base, 6 inch	962	SYD
Aggregate Base, 12 inch	4331	SYD
Sewer, CI E, 12 inch, Tr Det B	223	FT
Sewer, CI A, 12 inch, Tr Det B	101	FT
Sewer Bulkhead, 12 inch	1	EA
Dr Structure Cover, Adj, Case 1	5	EA
Dr Structure Cover, Type B	5	EA
Dr Structure Cover, Type K	6	EA
Dr Structure, 24 inch dia	2	EA
Dr Structure, 48 inch dia	4	EA
Dr Structure, Adj, Add Depth	1	FT
Dr Structure, Tap, 12 inch	4	EA
Underdrain, Subgrade, 6 inch	1600	FT
Hand Patching	1	TON
Hma, 3E1	663	TON
Hma, 4E1	442	TON
Hma, 5E1	332	TON
Hma Approach	61	TON
Driveway, Nonreinf Conc, 6 inch	422	SYD
Curb And Gutter, Conc, Det F4	1620	FT
Detectable Warning Surface	53	FT
Curb Ramp Opening, Conc	76	FT
Sidewalk Ramp, Conc, 6 inch	2608	SFT
Sidewalk, Conc, 4 inch	5590	SFT
Turf Establishment, Performance	2189	SYD

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PROPOSED DRAINAGE STRUCTURES							
STR NO	STATION	OFFSET	SIZE	RIM	COVER TYPE	PIPE DIRECTION, SIZE, AND INVERT	DISTANCE TO DOWN STREAM STR
CB-174	172+31.39	21.3' R	48"	767.93	к	E 12" 764.57	100.63' CB-176
CB-175	172+43.68	21.5' L	48"	767.88	к	E 12" 764.52	88.34' CB-177
CB-176	173+32.02	21.1' R	48"	767.69	к	NE 12" 764.07 W 12" 764.07	42.87' ST-69668
CB-177	173+32.02	21.2' L	48"	767.69	к	W 12" 764.09 SE 12" 764.09	46.84' ST-69668
ST-69668	173+71.40	4.2' R				E 15" 763.85 NW 12" 763.85 SW 12" 763.85	44.88' ST-69672
CB-179	174+07.59	21.3' L	24"	767.82	к	S 12" 764.30	27.09' ST-69672
CB-178	174+08.18	21.3' R	24"	767.82	к	NE 12" 764.10	18.80' ST-69672
ST-69672	174+16.28	4.3' R			in the second	W 15" 763.73 E 15" 763.67 N 12" 764.01 SW 12" 763.93	293.97' ST-69674

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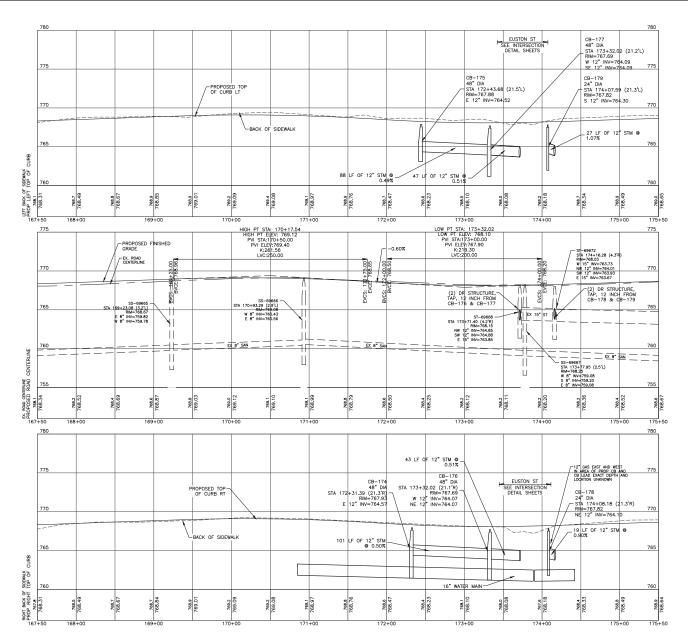
555 S. Segrew Flet, M. 46502 810.235.2565

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INFORMATION:-12:49 AM BY

FIELD BOOK 4/19/2019

LOTTED

Jeremy Schrot 2518\CRP-PLT

PROJECT MANAGER:

JOB NO. JN201292

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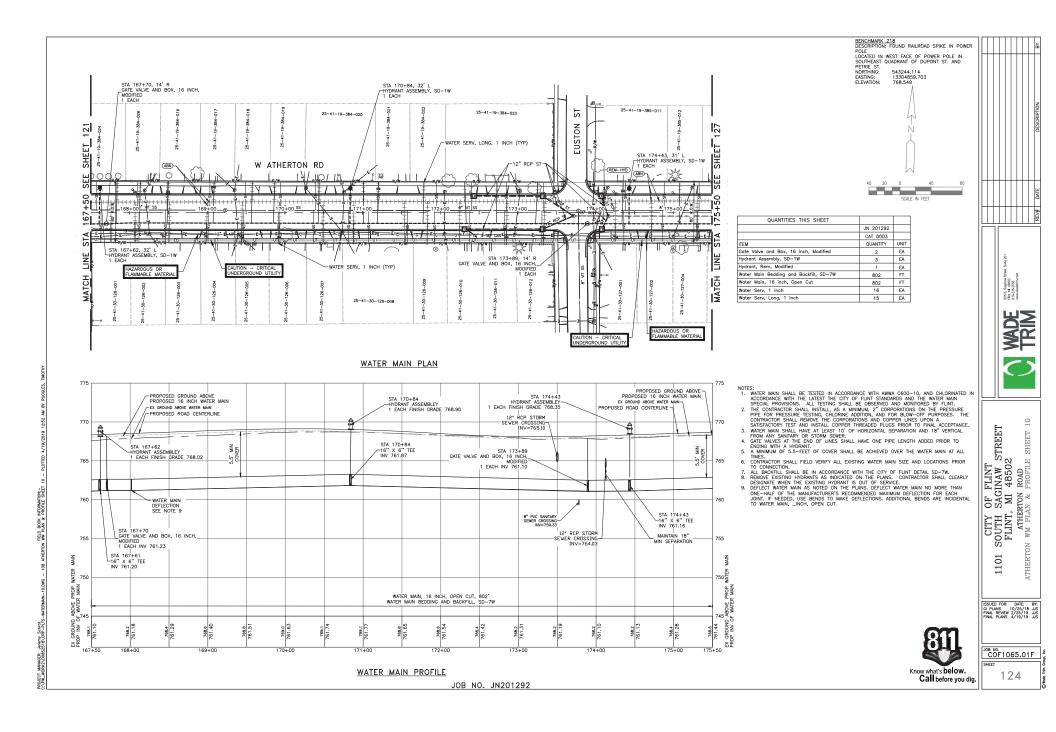
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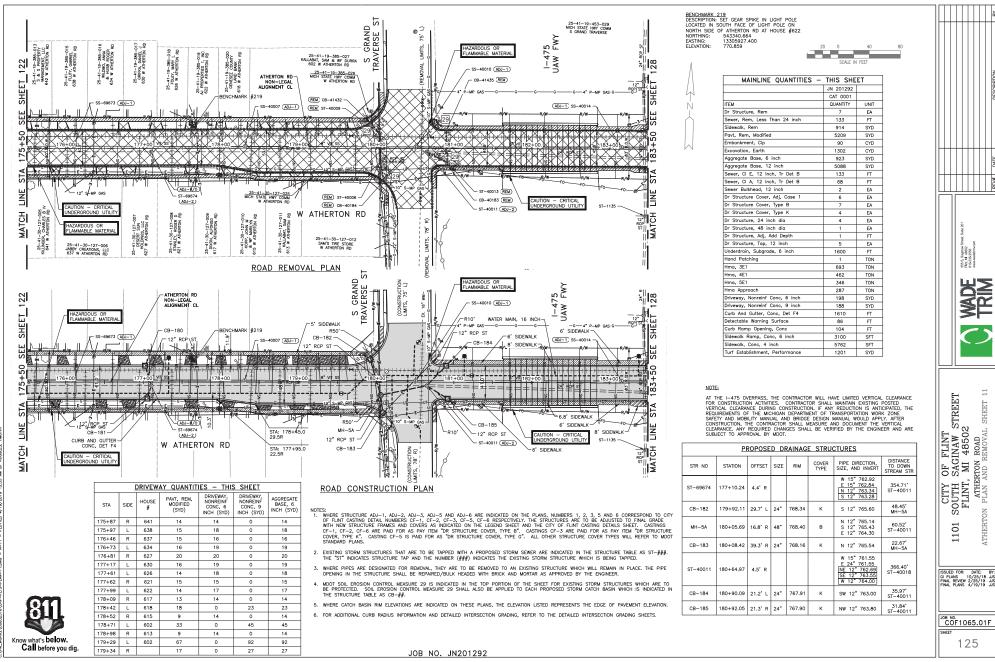
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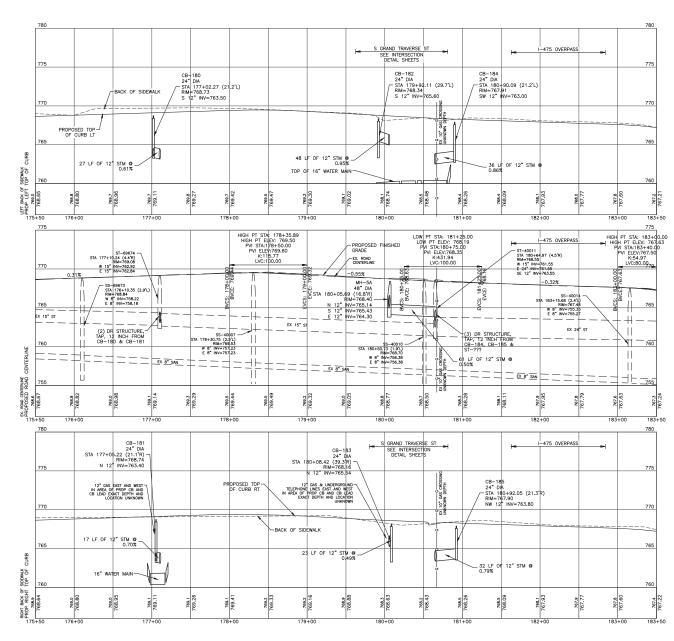
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INFORMATION:-12:59 AM BY

FIELD BOOK 4/19/2019

LOTTED

Jeremy Schrot 2518\CRP-PLT

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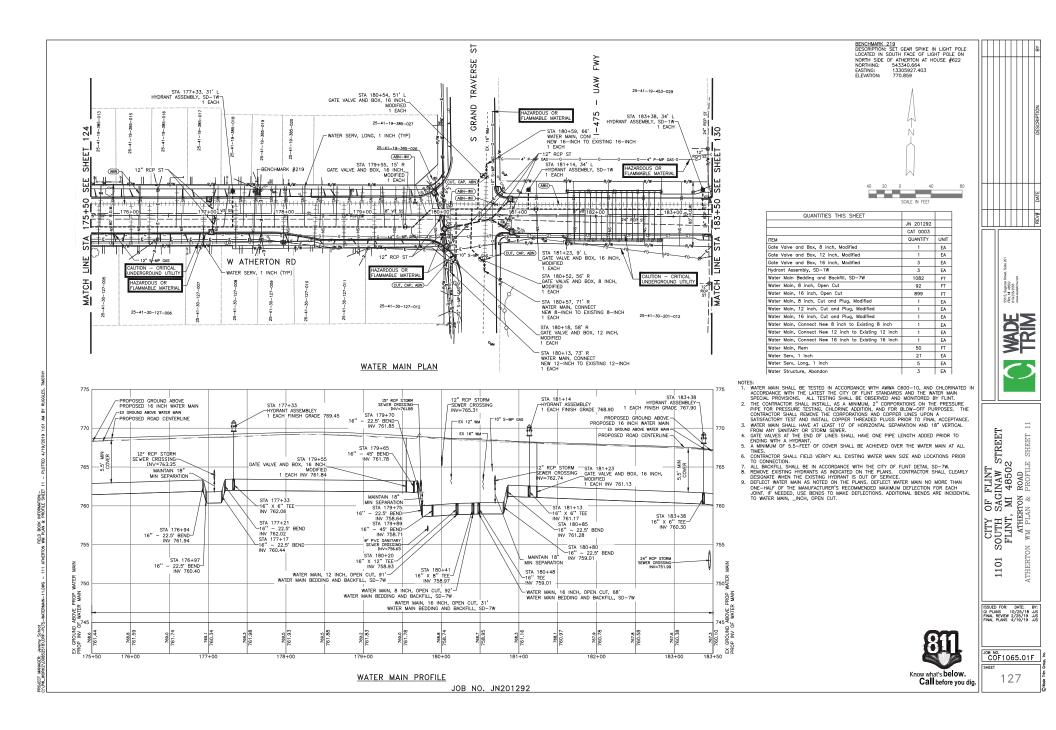


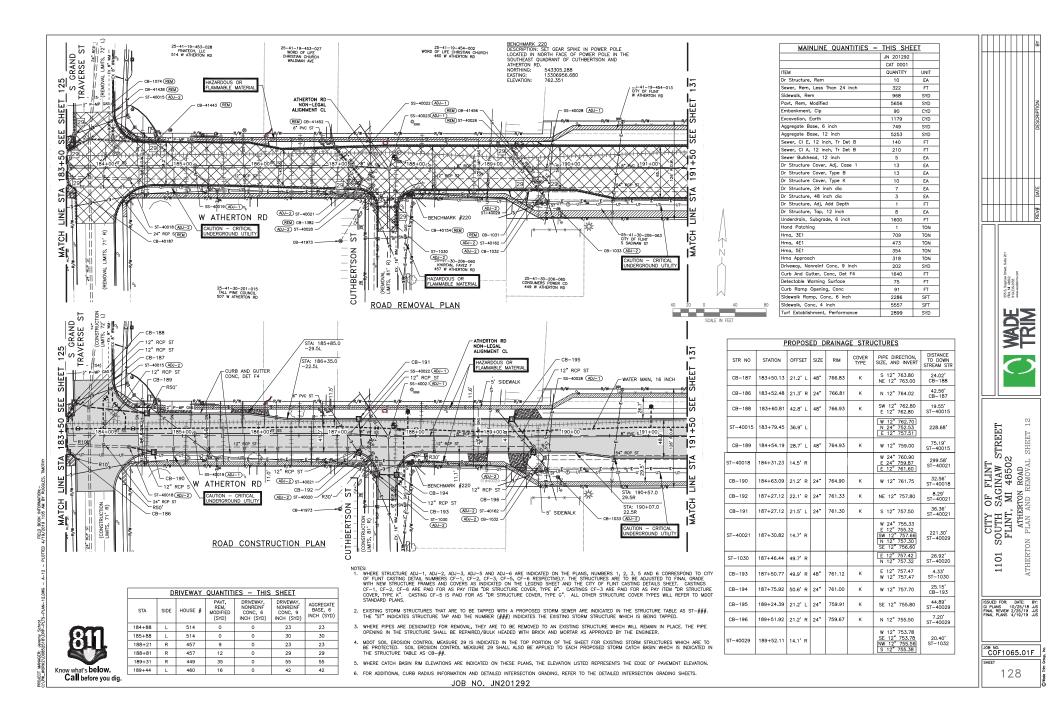


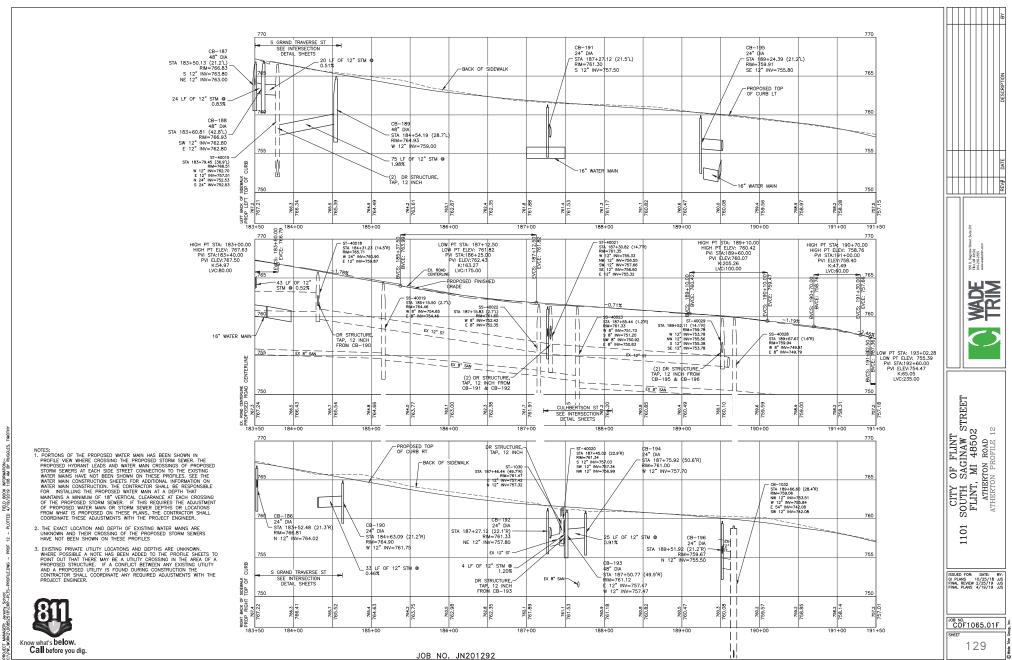
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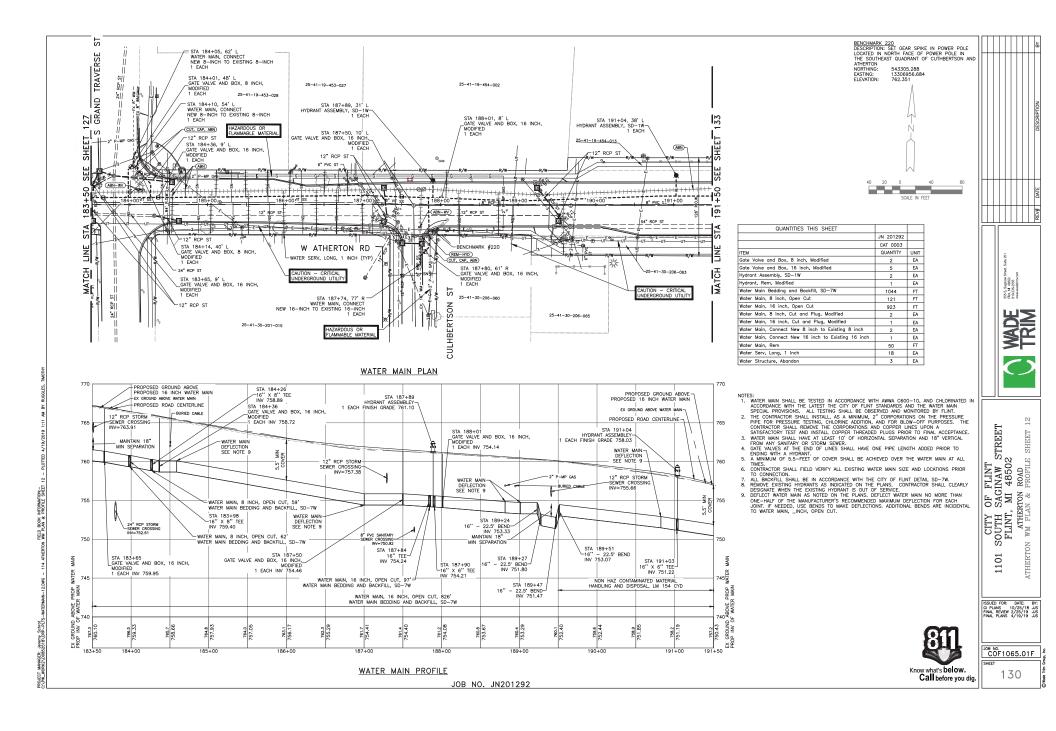
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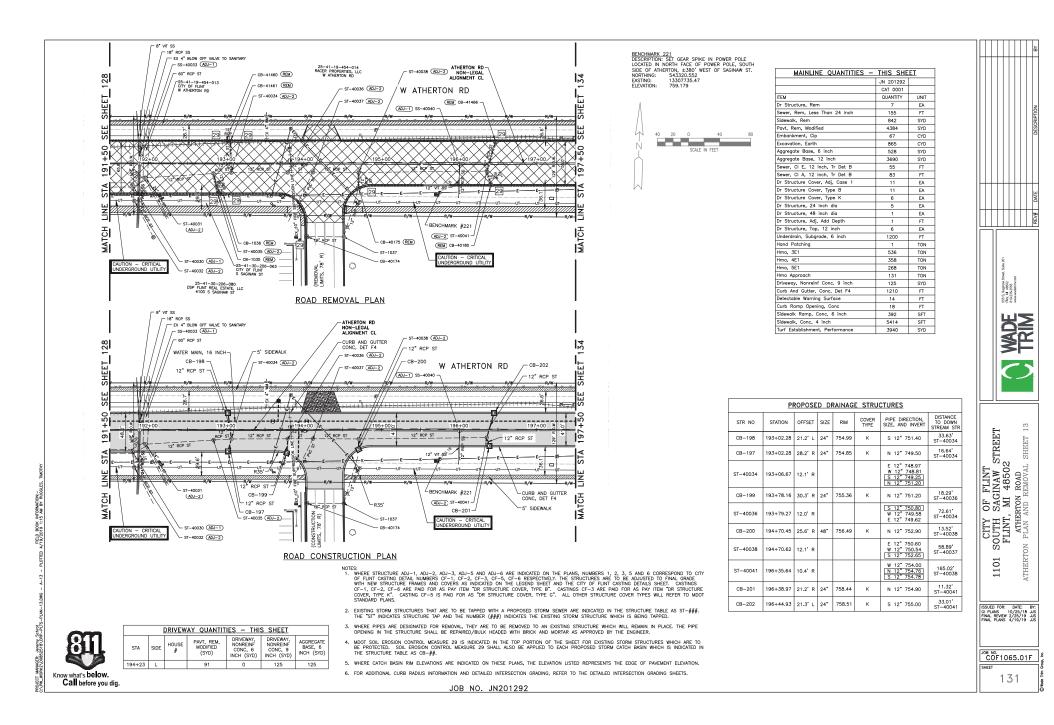


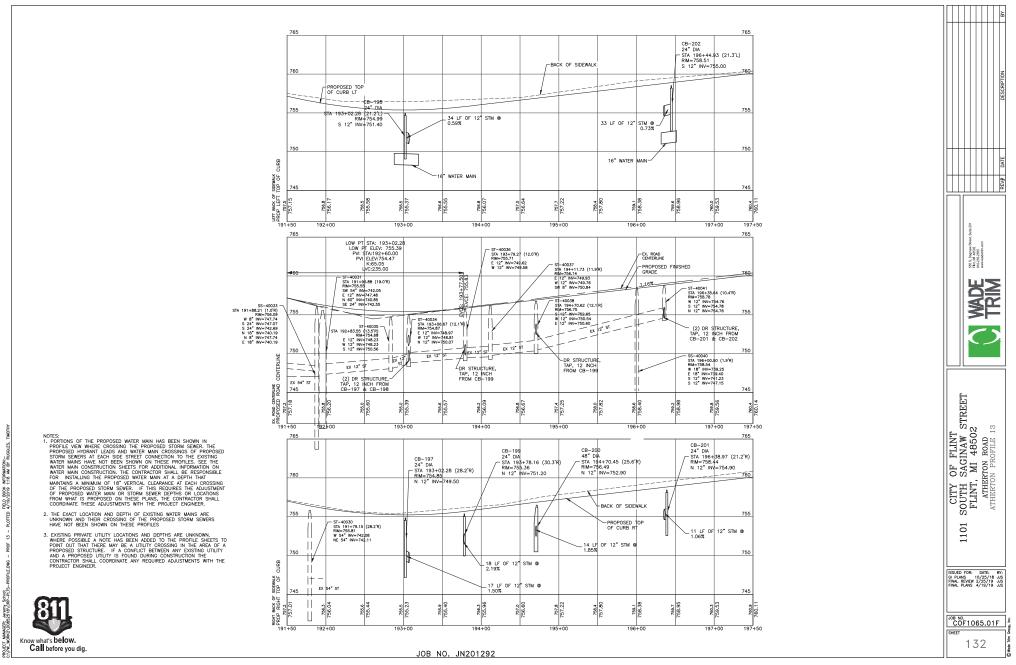




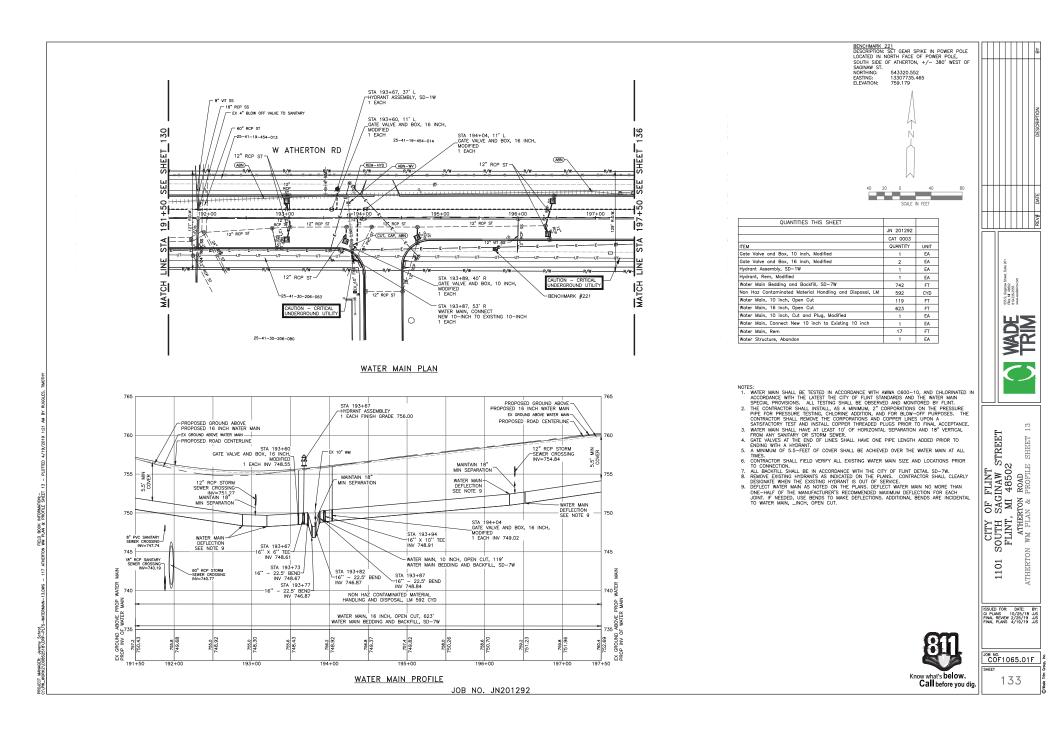
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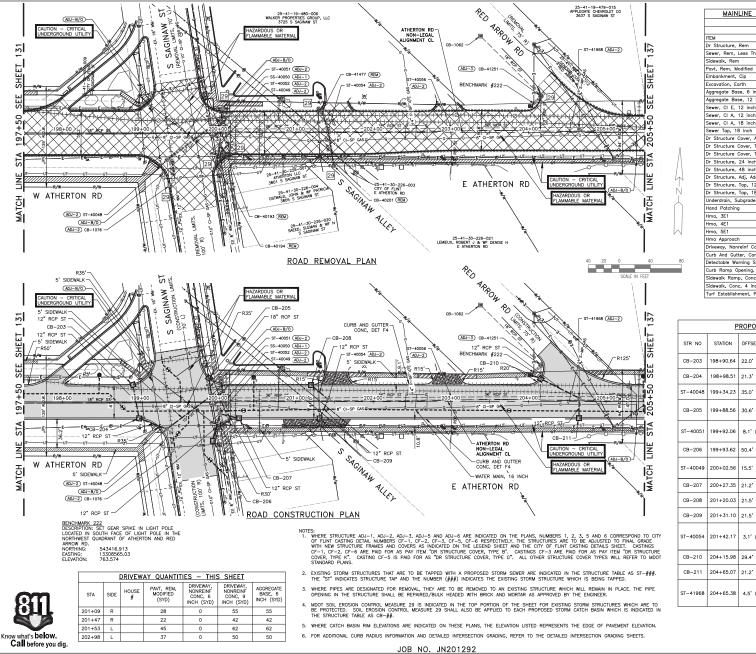






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PLOTTED 4/19/2019 1:25 AM BY

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	Aggregate Bas				52		SYD	
	Sewer, CI E,			8	9		FT	
	Sewer, CI A,				12		FT	
	Sewer, CI A,				5	-	FT	
			r Det	в		-		
	Sewer Tap, 18						EA	
	Or Structure (1	1		EA	
- 12	Or Structure (5		EA	
	Or Structure (5		EA	
6	Or Structure,	24 inch o	lia		6		EA	
	Dr Structure,				2		EA	
Ī	Dr Structure,	Adj, Add	Depth				FT	
h	Or Structure,	Tap. 12 i	nch			,	EA	
	Dr Structure,						EA	
	Jnderdrain, Si				16	20	FT	
	land Patching		men		10	50		
)			_		TON	
Ľ	Hma, 3E1				66	-	TON	
	Hma, 4E1				44		TON	
ŀ	Ima, 5E1				33	2	TON	
F	Ima Approach	۱			39	6	TON	
6	Driveway, Non	reinf Conc	, 9 in	ch	20	18	SYD	
Ī	Curb And Gut	ter, Conc,	Det F	4	17	05	FT	
Ī	Detectable Wa	rning Surf	ace		13	7	FT	
	Curb Ramp O				17		FT	
k	Sidewalk Ram	n Conc. I	5 inch		26		SFT	
	Sidewalk, Con				45		SET	
	furf Establish				27		SYD	
_	<u>P</u>	ROPOS	ED D	RAINAG	SE STR	JCTU	RES	
	STATION	OFFSET	SIZE	RIM	COVER TYPE	PIP SIZE	E DIRECTION, , AND INVER	T DISTAN
5	198+90.64	22.0' L	24"	761.28	к	s	12" 759.00	44.0 CB-2
	198+98.51	21.3' R	48"	761.41	к	E N	12" 758.70 12" 758.70	38.2 ST-40
8	199+34.23	35.0' R			1999 - S.	W	12" 758.37 12" 758.40	72.1 ST-40
6	199+88.56	30.6' L	48"	761.80	к	S N	18" 751.89 18" 751.89	22.7 ST-40 5.38
1	199+92.06	8.1'L			1	E N	12" 756.09 18" 751.74 18" 751.80	07 40
	199+93.62	50.4' R	24"	761.83	к	N	12" 757.29	36.0 ST-40
9	200+02.56	15.5' R		· · · · · · · · ·		NE E S	36" 752.88 12" 757.61 12" 756.63	20.4 ST-40
'	200+27.35	21.2' R	24"	762.19	к	w	12" 757.80	25.4 ST-40
•	201+20.03	21.5' L	24"	762.58	к	SE	12" 758.00	28.8 ST-40
	201+31.10	21.5' R	24"	762.63	к		12" 757.54	26.9 ST-40
4	201+42.17	3.1'L				W E NW SW	36" 750.23 36" 750.23 12" 757.88 12" 757.30	159.3 ST-40

4.5' L

21.2' R 24"

762.00

761.20 к

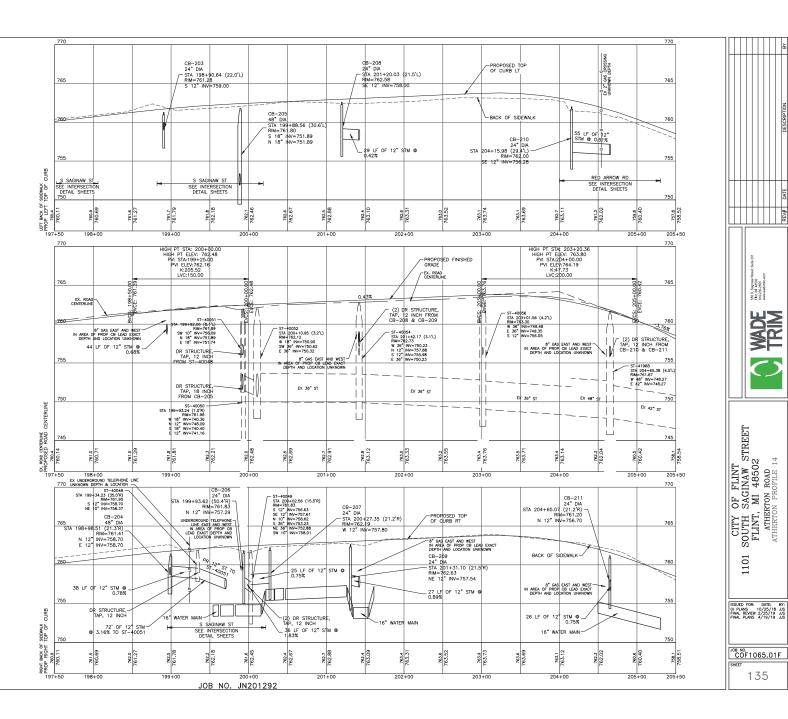
	NOTTATION
	DATE
	REV#
DISTANCE TO DOWN STREAM STR 44.01° CB-204	MADE RAME AN
20-204 38.27 ST-40048 22.71' ST-40051 92.71' ST-40051 5.36' ST-40051 5.36' ST-40051 5.36' ST-40052 3.6.01' ST-40052 20.48' ST-40052 25.44' ST-40054 159.39' ST-40054 159.39' ST-40056 ST-40056 ST-40058 ST-40054	CITY OF FLINT 1101 SOUTH SAGINAW STREET FLINT, MI 48502 ATHERTON ROAD ATHERTON PLAN AND REMOVAL SHEET 14
25.75' ST-41968	ISSUED FOR: DATE: BY: GI PLANS 10/25/18 JJS FINAL REVIEW 2/25/19 JJS FINAL PLANS 4/19/19 JJS
105.55' ST-40060	

JOB NO. COF<u>1065.01F</u> 134

SE 12" 756.28

N 12" 756.70

W 36" 748.27 E 42" 748.00 NW 12" 756.00 S 12" 756.51



NOTES: 1. PORTONS OF THE PROPOSED WATER MAIN HAS BEEN SHOWN IN PROPILE VEW WHERE CROSSING THE PROPOSED STORM SEWER. THE PROPOSED INTERANT LEADS AND WATER MAIN CROSSINGS OF PROPOSE WATER MAINS INVE NOT BEEN SHOWN ON THESE PROFILES. SEE THE WATER MAINS CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL INFORMATION ON WATER MAIN CONSTRUCTION SHEETS FOR ADDITIONAL RORMATION ON WATER MAINS CONSTRUCTION SHEETS FOR ADDITIONAL RORMATION MAINTANS A MAINUM OF THE ONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PROPOSED WATER MAIN AT A DEPTH THAT MAINTANS A MAINUM OF STORM SEVER DEPTHS OR LOCATIONS FOM WHAT IS PROPOSED ON THESE PLANS. THE CONTRACTOR SHALL COORDINATE THESE AUJUSTIONTS WITH THE PROVER SHALL COORDINATE THESE AUJUSTIONTS WITH THE PROVED THE MAINS ON STORM ADDITIONAL DEPTH MAIN OF STORM SEVER DEPTHS OR LOCATIONS FOM WHAT IS PROPOSED AUTOR SEVEN DEPTH OR SHALL COORDINATE THESE AUJUSTIONTS WITH THE PROVED INFORMATION ON THESE PLANS.

- 2. THE EXACT LOCATION AND DEPTH OF EXISTING WATER MAINS ARE UNKNOWN AND THEIR CROSSING OF THE PROPOSED STORM SEWERS HAVE NOT BEEN SHOWN ON THESE PROFILES
- LEXISTING DELEVISION OF THE MOLECULAR OF THE PROFILE SHEETS TO WHERE POSSIBLE A NOTE HAS BEEN ADDED TO THE PROFILE SHEETS TO POINT OUT THAT THERE MAY BE A UTILITY CROSSING IN THE AREA OF A PROPOSED STRUCTURE. IF A CONFLUCT BETWEEN ANY EXISTING UTILITY AND A PROPOSED UTILITY IS FOUND DUBING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ANY REQUIRED ADJUSTMENTS WITH THE PROJECT EDNIERER.



INFORMATI 1:29 AM

FIELD BOOK 4/19/2019

Jeremy Schrol 2518\C8P_PI

PROJECT MANAGER:

