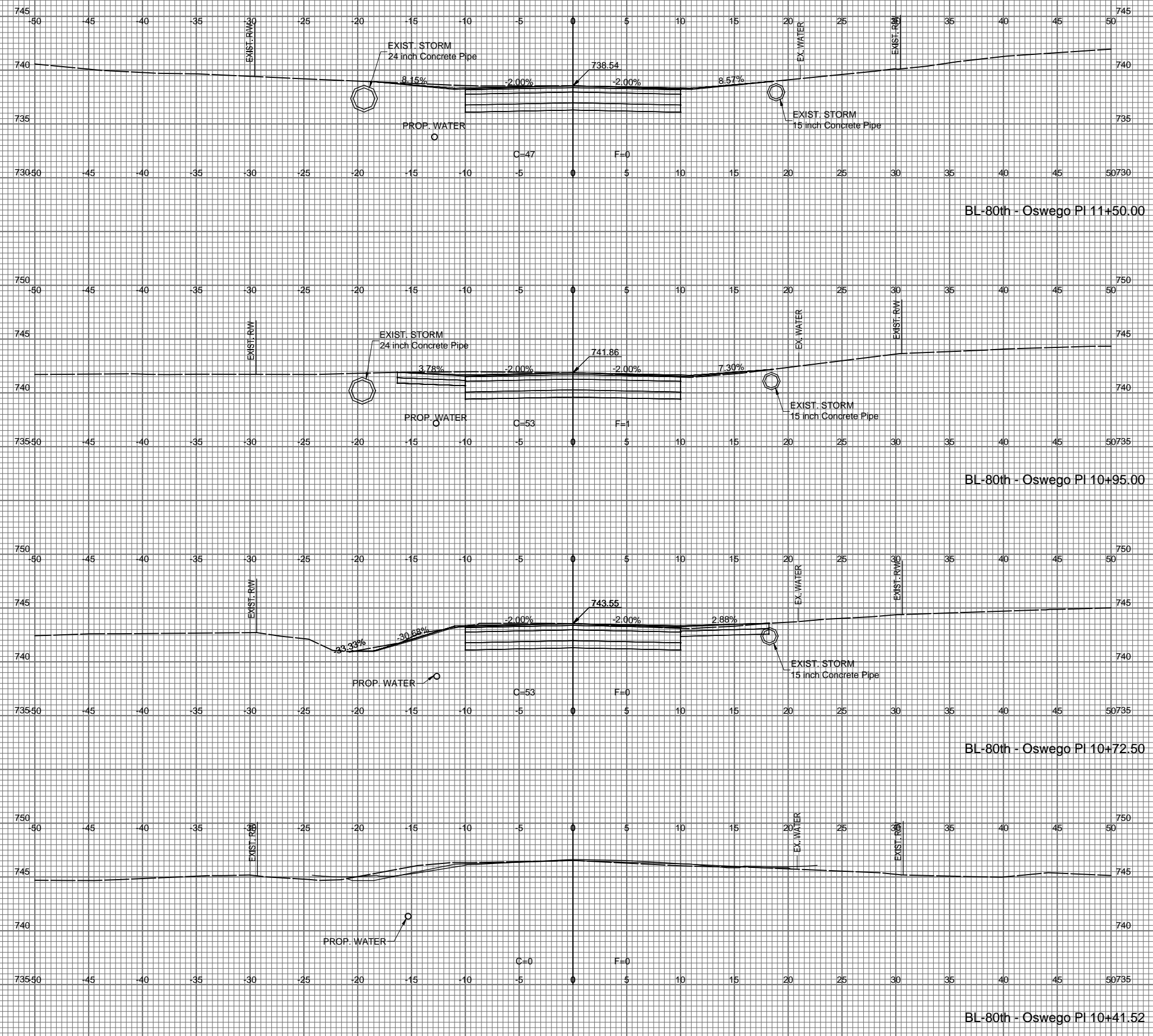


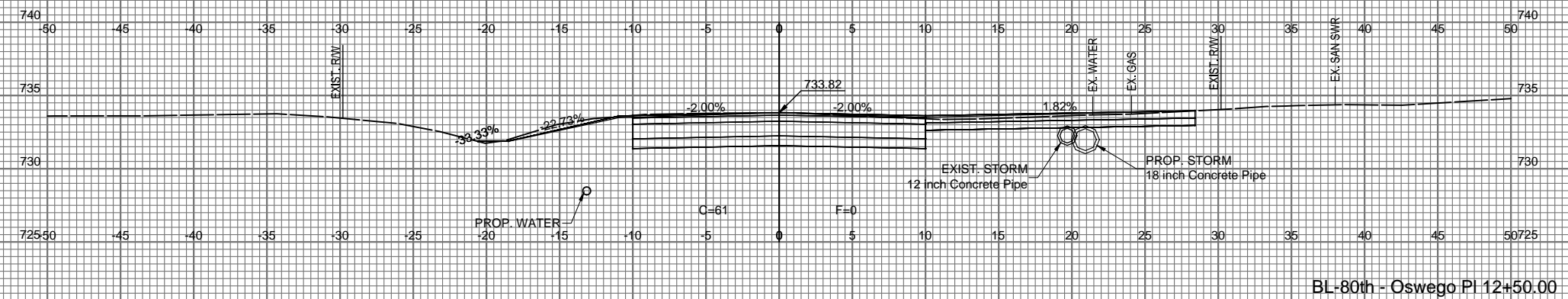
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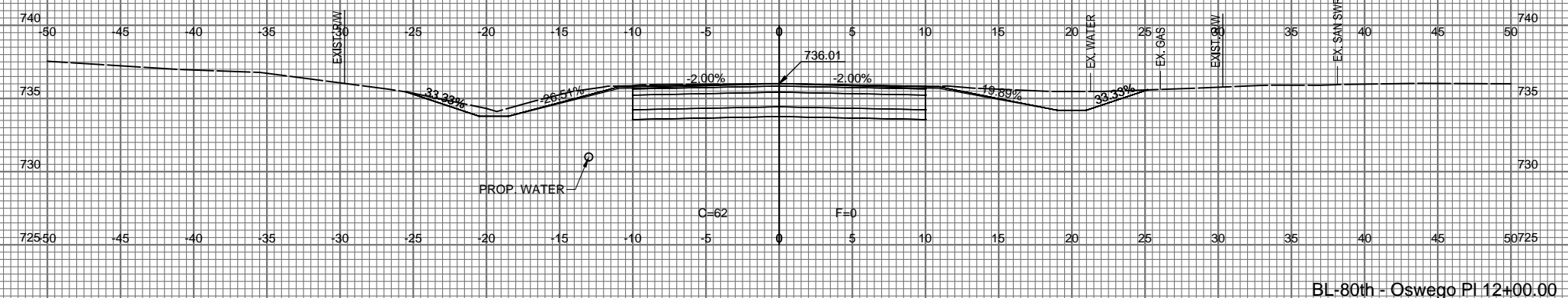
80TH & OSWEGO - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 486-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023		
PLAN SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
PROFILE SCALE:	PROJ. MGR.		
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1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
1" = 5'	DESIGN MANAGER		
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ATLAS PAGE NO: 661 & 768			DATE:
			SHEET 171 OF 308 SHEETS

REVISION	BY	DATE

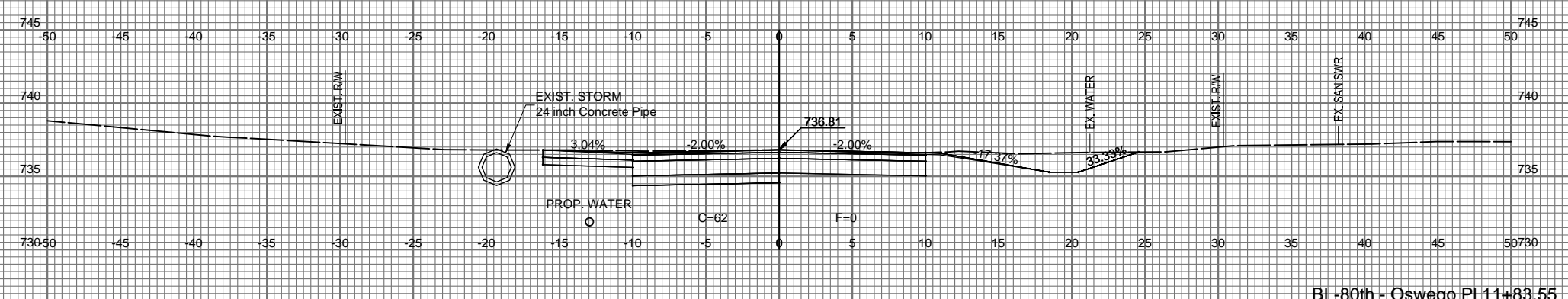
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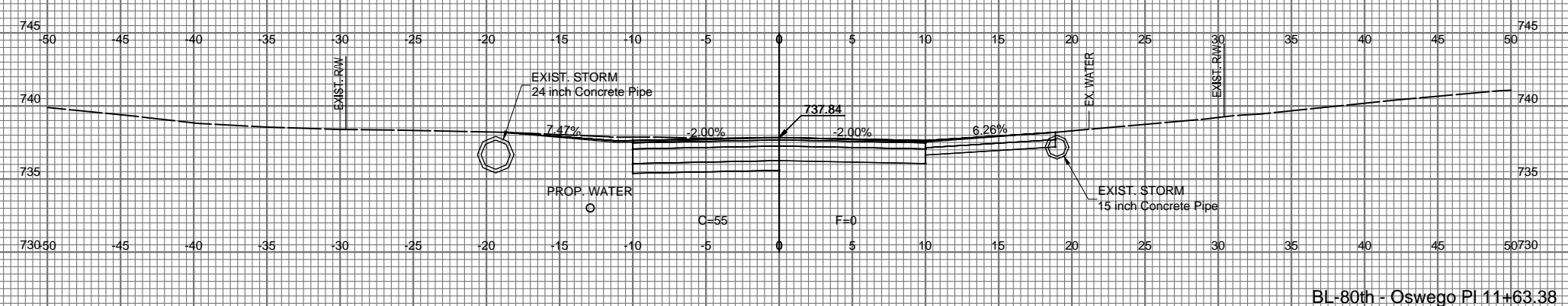
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BL-80th - Oswego PI 11+83.55



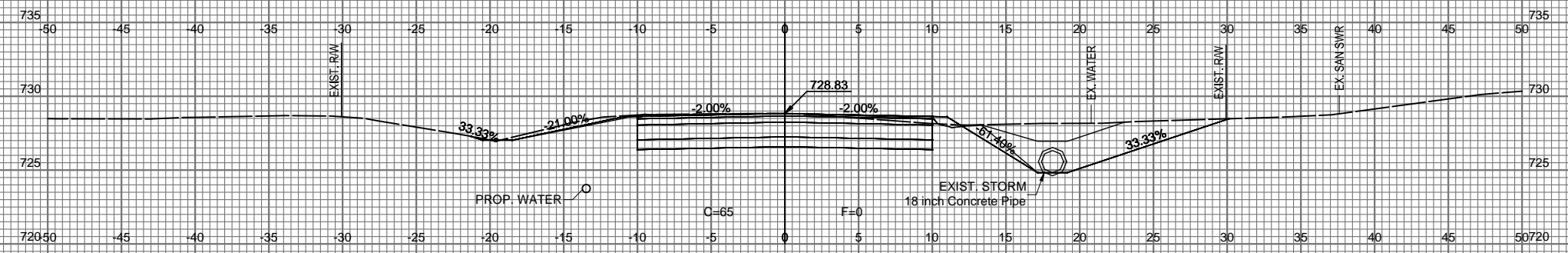
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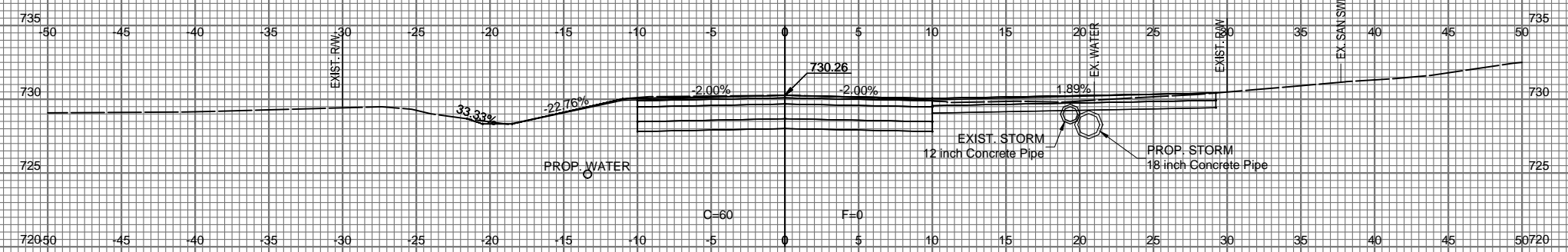
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023		
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	SURVEY	JRL	06/2018
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VERTICAL: 1" = 5'	RECOMMENDED:		
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			SHEET 172 OF 308 SHEETS

REVISION	BY	DATE

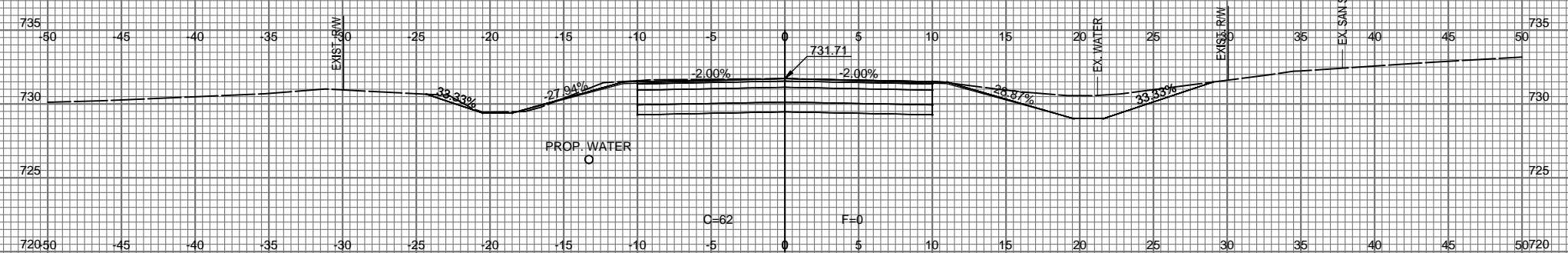
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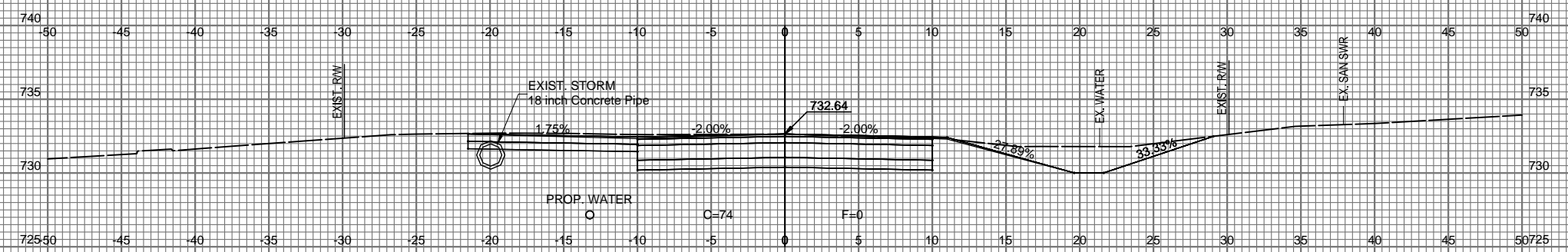
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BL-80th - Oswego PI 13+32.50



BL-80th - Oswego PI 13+00.00



BL-80th - Oswego PI 12+78.67

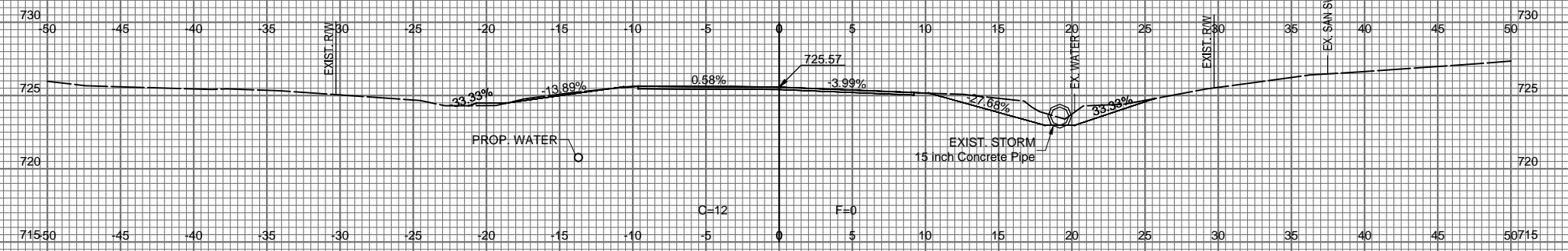


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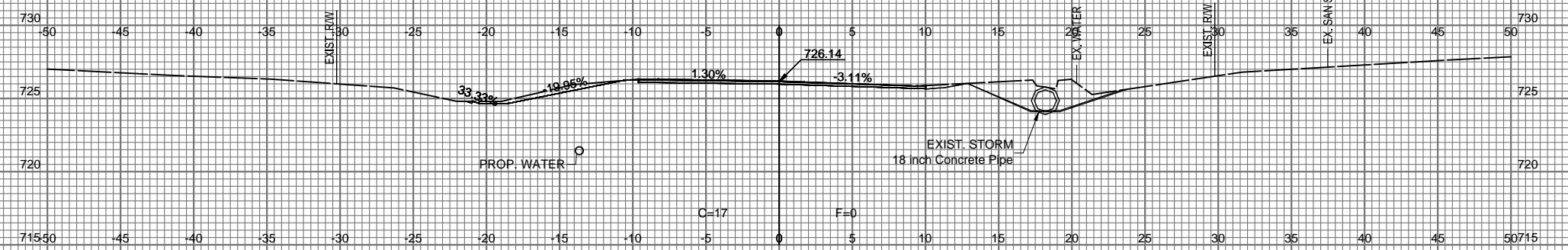
  

<b>80TH &amp; OSWEGO – CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
PLAN SCALE:	DRAWN	CP	01/2022
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	SURVEY	JRL	06/2018
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1" = 20'	FIELD MGR.		
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FILE:	DRAWING:		CITY ENGINEER
ATLAS PAGE NO: 661 & 768			DATE:
			SHEET 173 OF 308 SHEETS

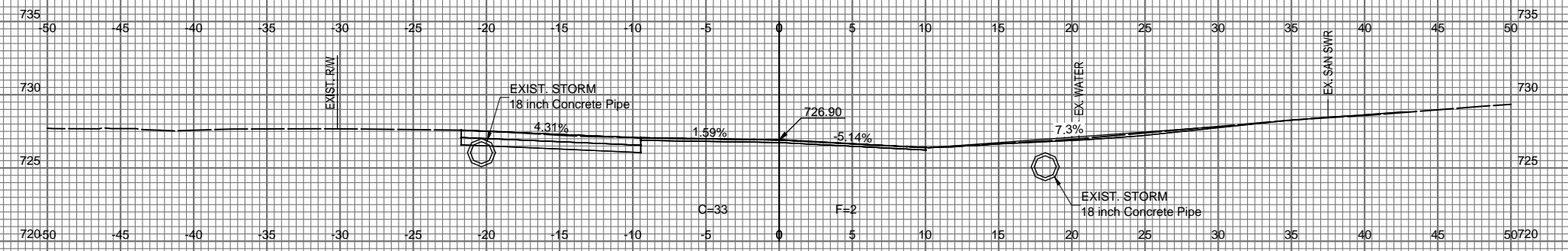
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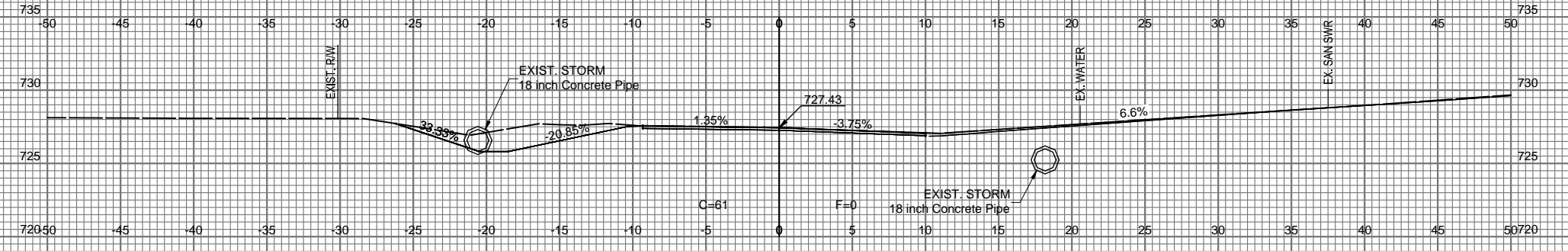
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BL-80th - Oswego PI 14+29.39



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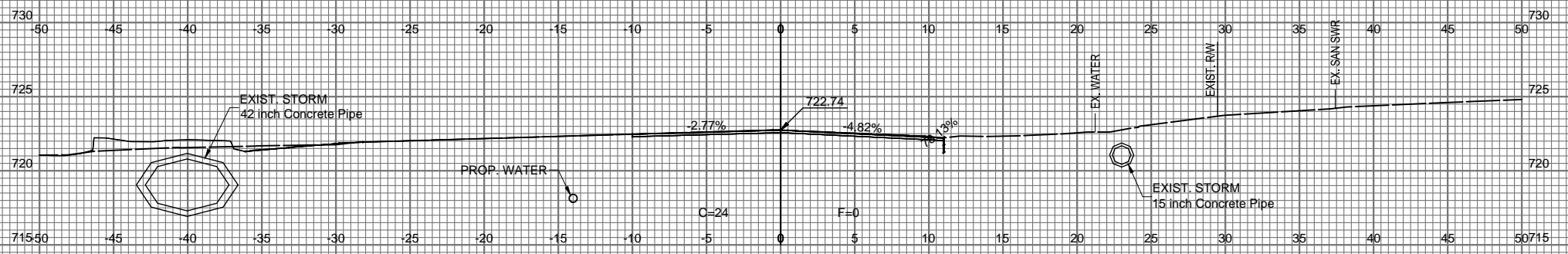
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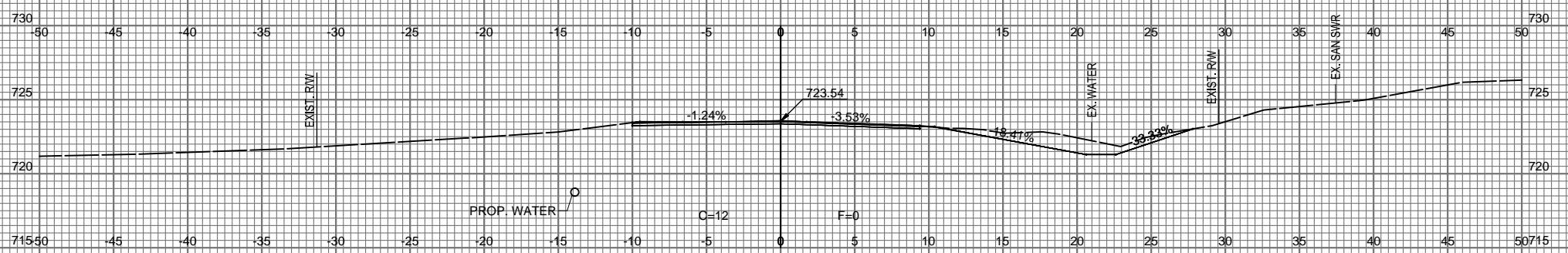
80TH & OSWEGO - CROSS SECTIONS	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023
PLAN SCALE:	DRAWN CP 01/2022 APPROVED:
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VERTICAL:	RECOMMENDED:
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ATLAS PAGE NO: 661 & 768	DATE:
	CITY ENGINEER
	SHEET 174 OF 308 SHEETS

REVISION	BY	DATE

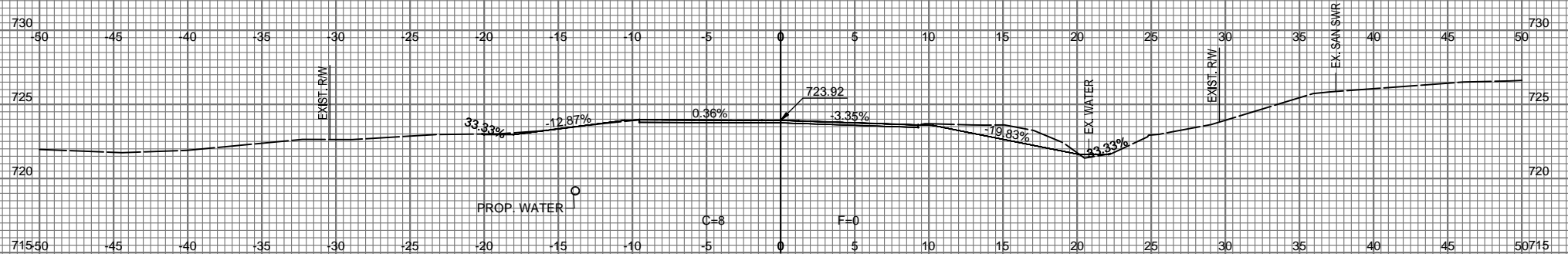




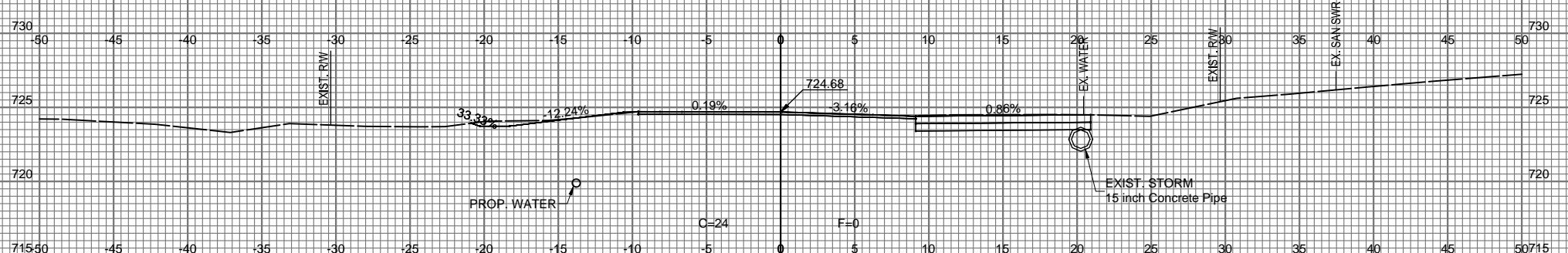
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BL-80th - Oswego PI 15+12.89



BL-80th - Oswego PI 15+00.00



BL-80th - Oswego PI 14+77.50



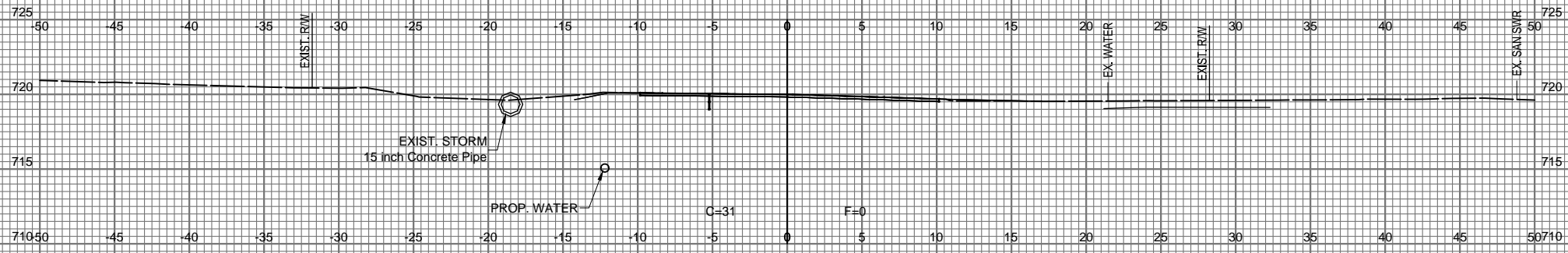
**80TH & OSWEGO - CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN CP 01/2022 DESIGNED RJP 01/2022 SURVEY JRL 06/2018	
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FILE:	DRAWING:	DATE:
ATLAS PAGE NO: 661 & 768		SHEET 175 OF 308 SHEETS

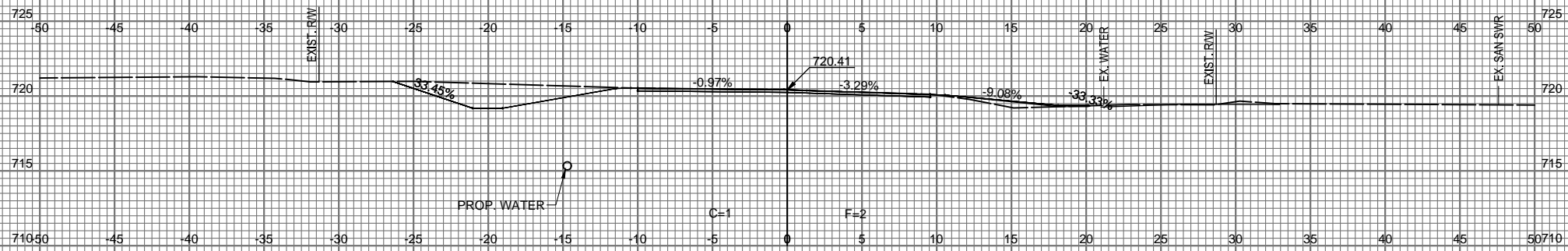
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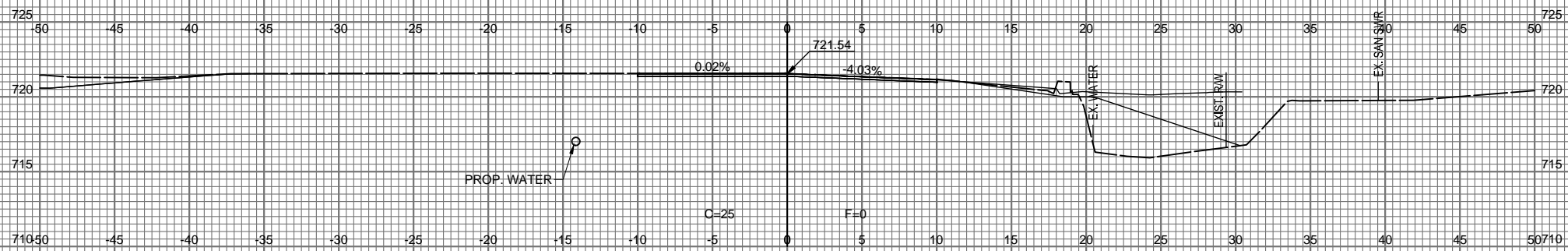
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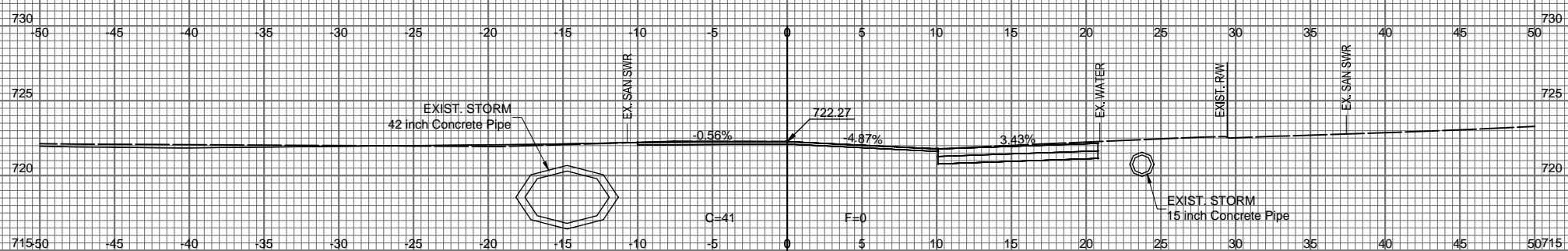
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BL-80th - Oswego PI 16+00.00



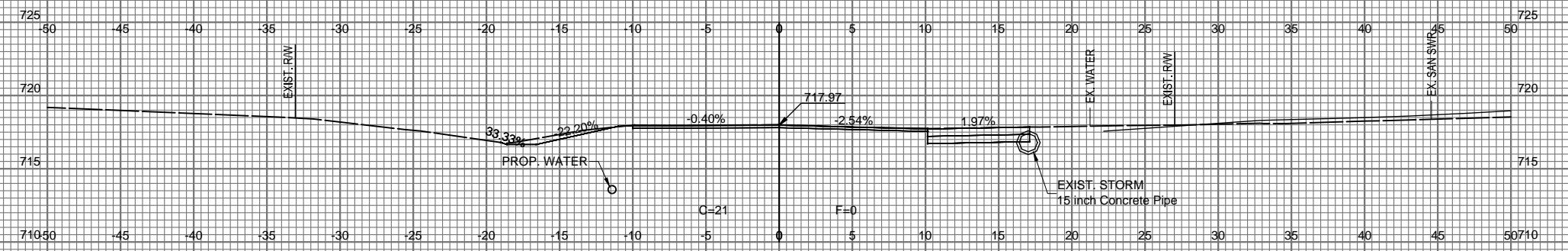
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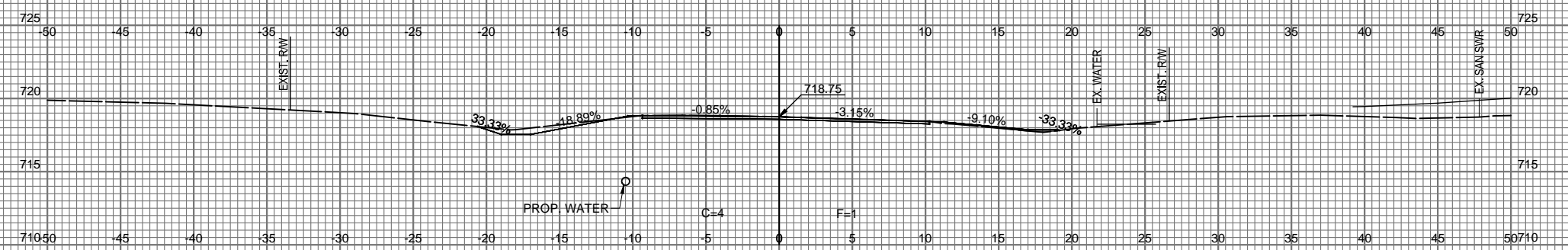
80TH & OSWEGO - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP	01/2022	
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	SURVEY: JRL	06/2018	
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1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 176 OF 308 SHEETS

REVISION	BY	DATE

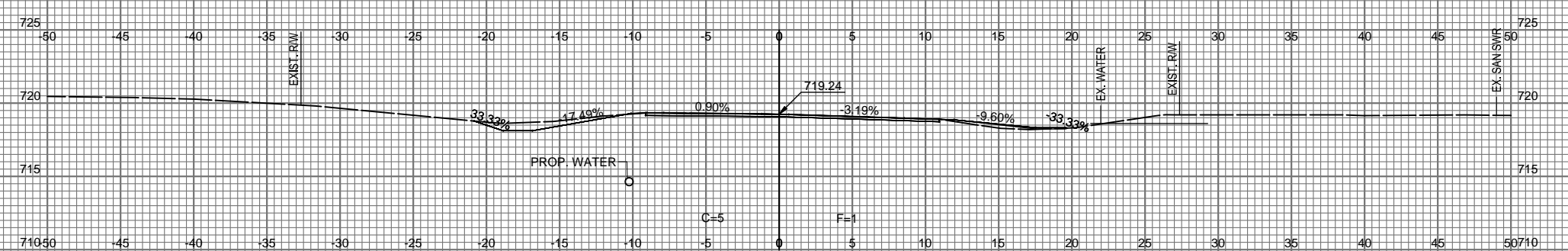
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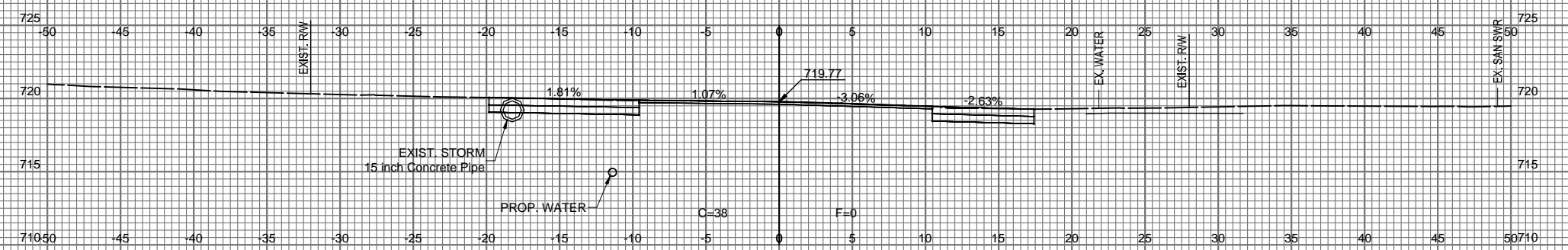
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BL-80th - Oswego PI 17+20.97



BL-80th - Oswego PI 17+00.00



BL-80th - Oswego PI 16+78.00

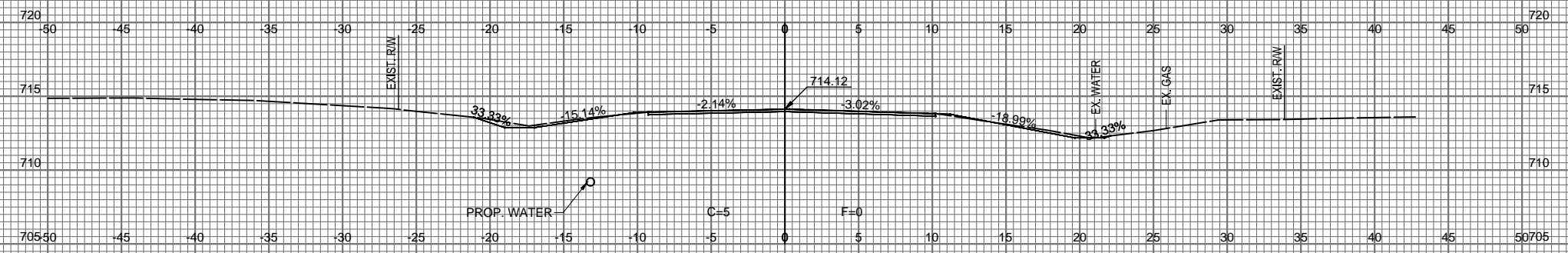


80TH & OSWEGO - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
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FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768			SHEET 177 OF 308 SHEETS

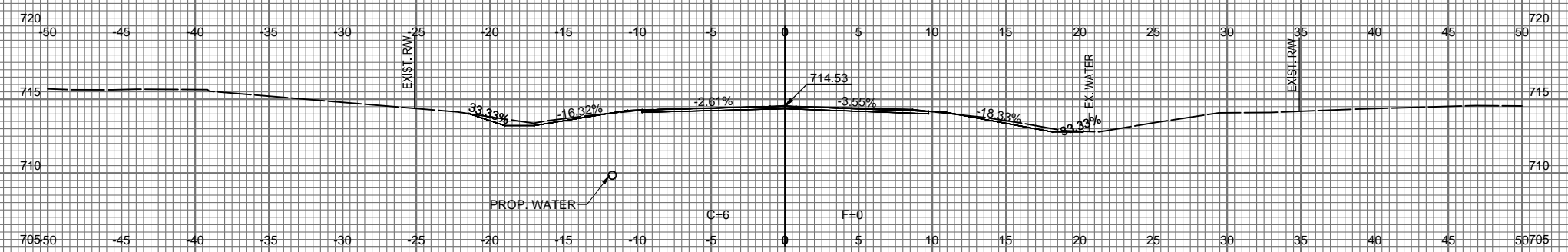
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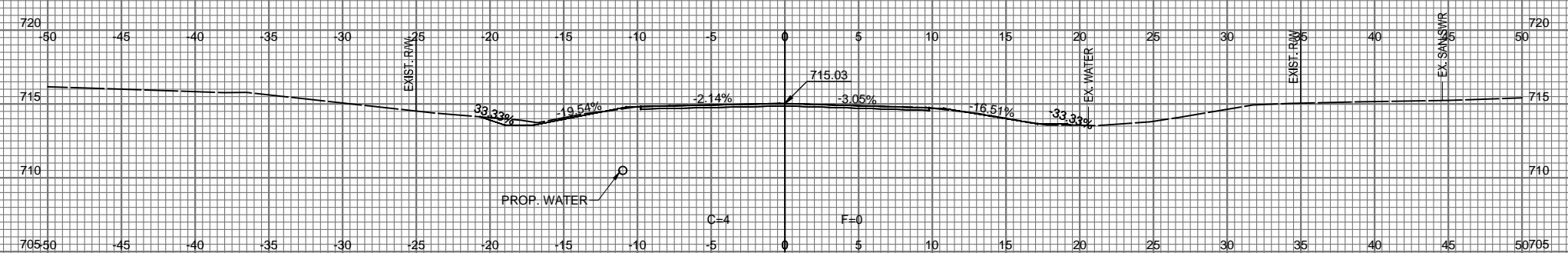
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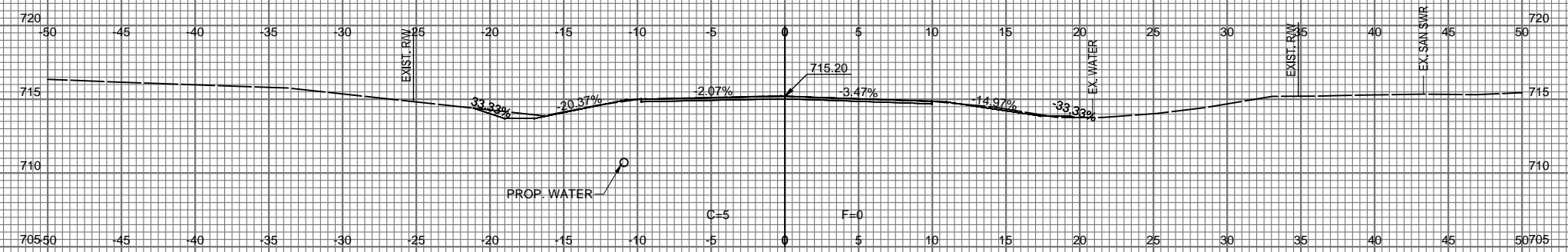
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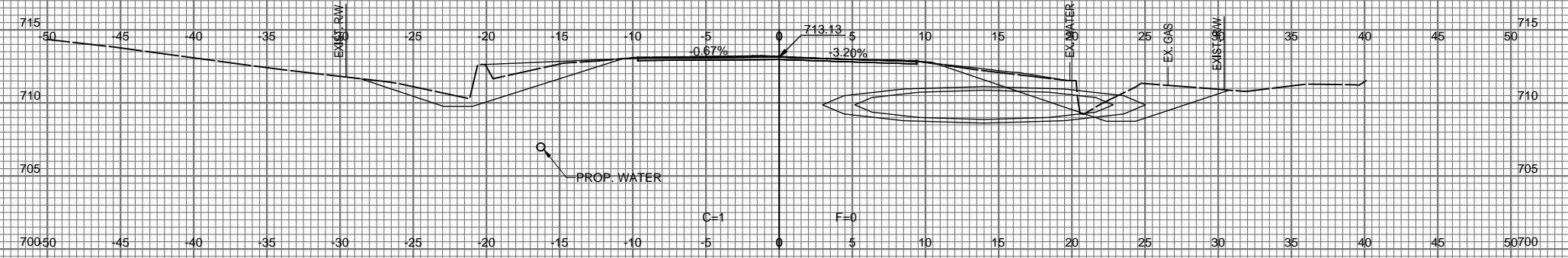
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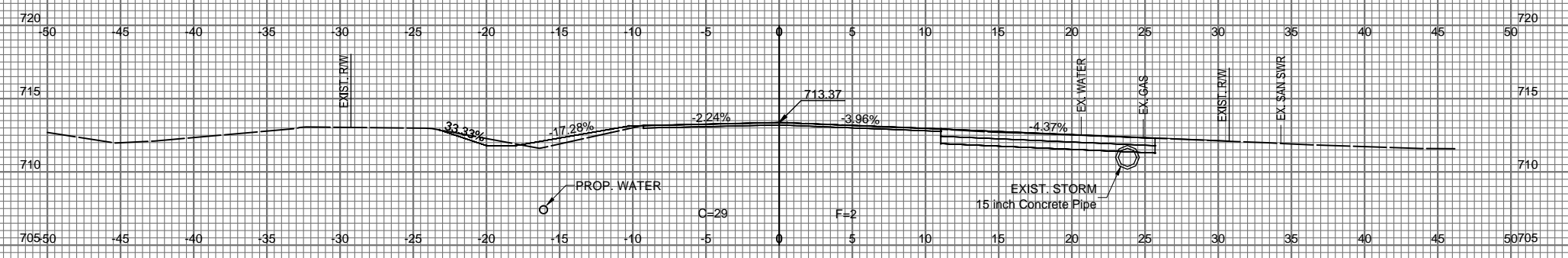
<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>												
PROJECT NUMBERS: 144863-S & TMUA-W17-10												
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S												
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT												
PLANS AND ESTIMATES PREPARED BY:	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9800 www.pec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023											
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SURVEY	JRL	06/2018										
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ATLAS PAGE NO: 661 & 768			SHEET 179 OF 308 SHEETS									

REVISION	BY	DATE

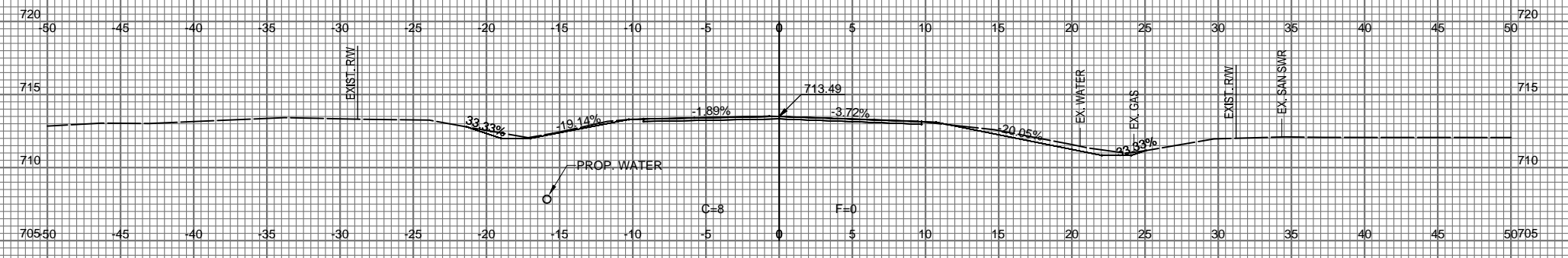
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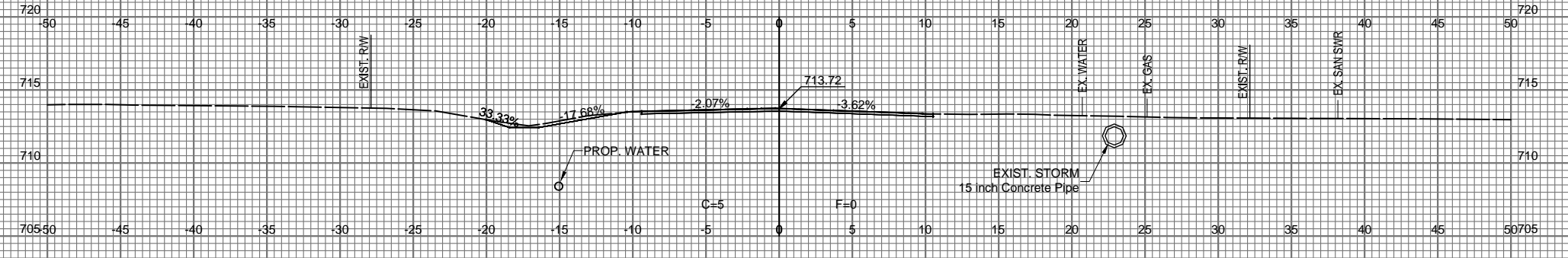
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BL-80th - Oswego PI 20+12.00



BL-80th - Oswego PI 19+91.33



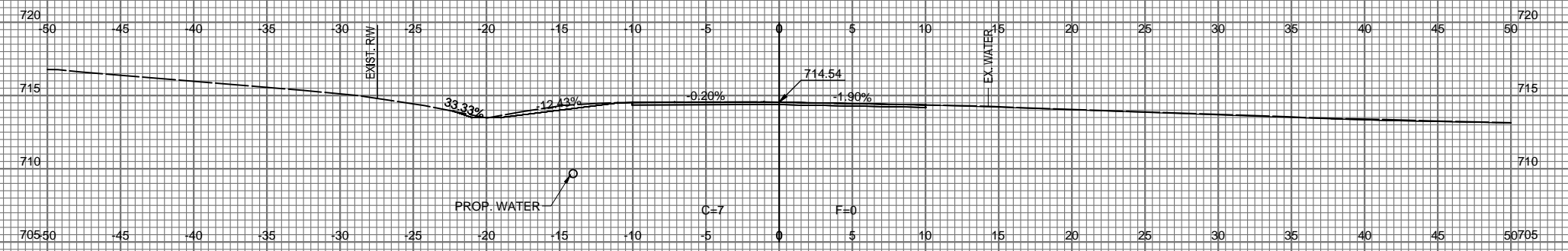
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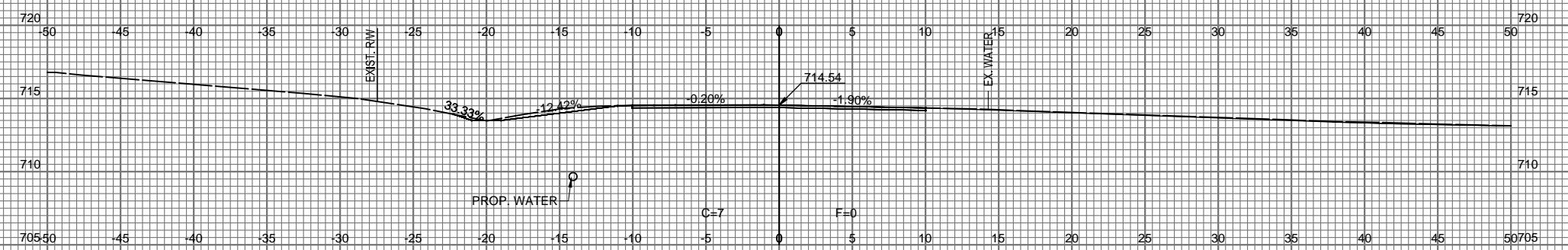
<b>80TH &amp; OSWEGO – CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9800 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
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REVISION	BY	DATE

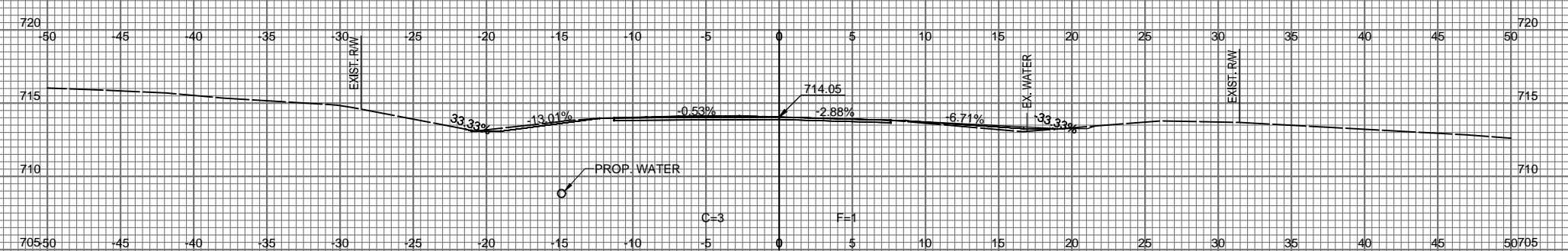
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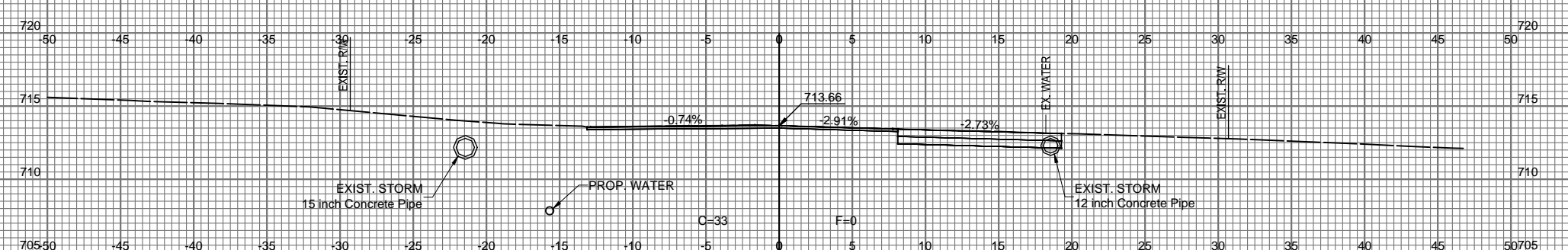
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BL-80th - Oswego PI 21+99.74



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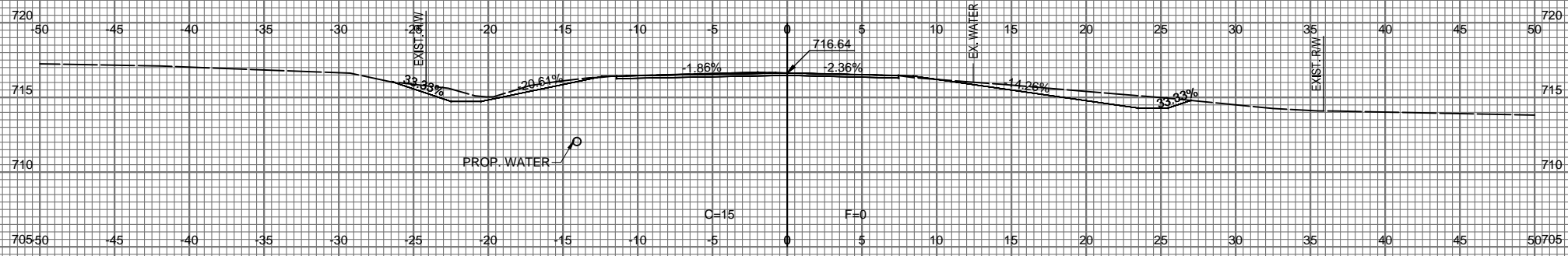


**80TH & OSWEGO – CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

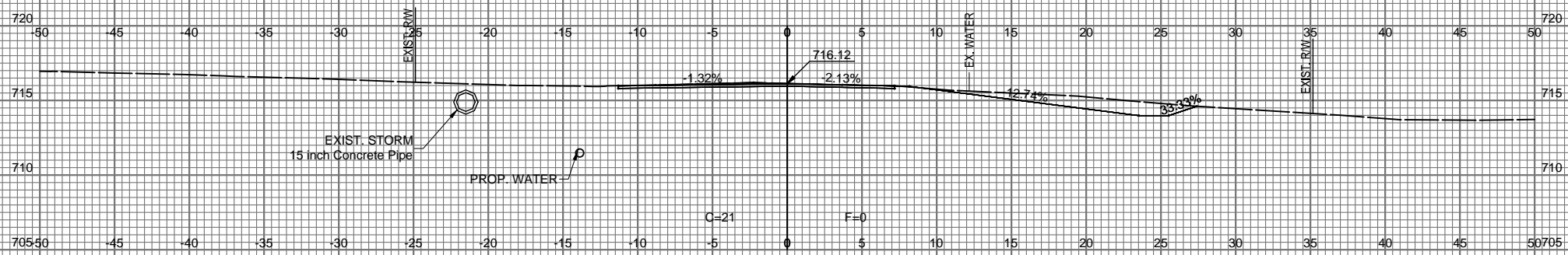
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN CP 01/2022 DESIGNED RJP 01/2022 SURVEY JRL 06/2018	
PROFILE SCALE:	PROJ. MGR. LEAD ENGR. FIELD MGR.	
HORIZONTAL: 1" = 20'	RECOMMENDED:	
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER
FILE:	DRAWING:	DATE:
ATLAS PAGE NO: 661 & 768		SHEET 181 OF 308 SHEETS

REVISION	BY	DATE

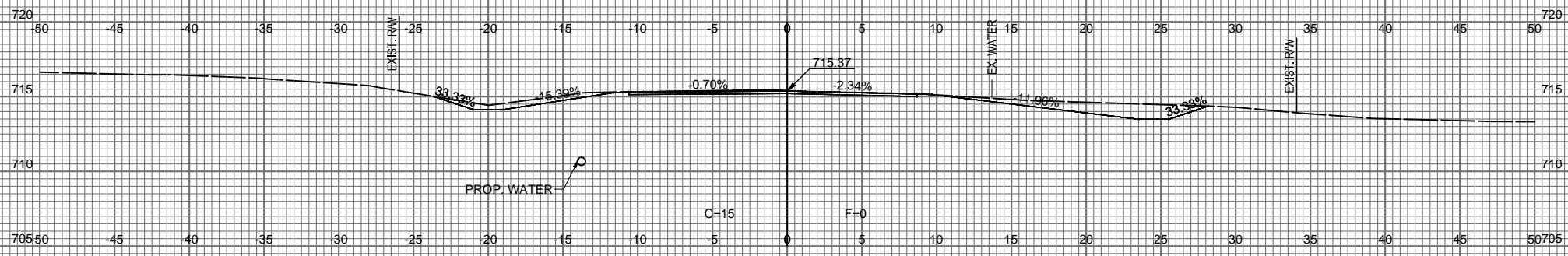
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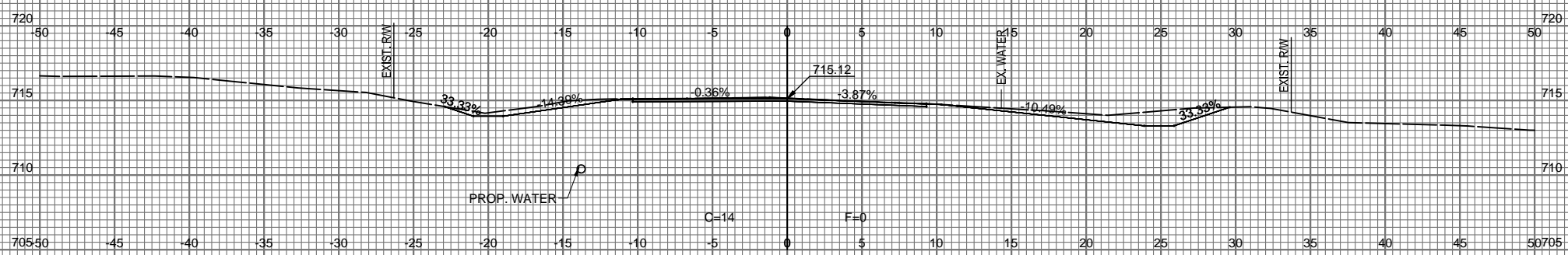
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BL-80th - Oswego PI 22+81.00



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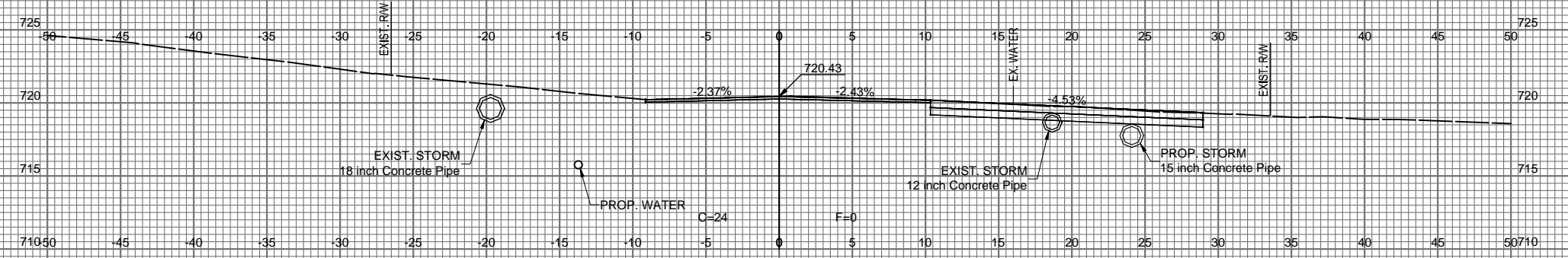


<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>		
PROJECT NUMBERS: 144863-S & TMUA-W17-10		
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S		
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT		
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022
PROFILE SCALE:	SURVEY: JRL 06/2018	PROJ. MGR.:
HORIZONTAL: 1" = 20'	LEAD ENGR.:	FIELD MGR.:
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FILE:	DRAWING:	DATE:
ATLAS PAGE NO: 661 & 768		SHEET 182 OF 308 SHEETS

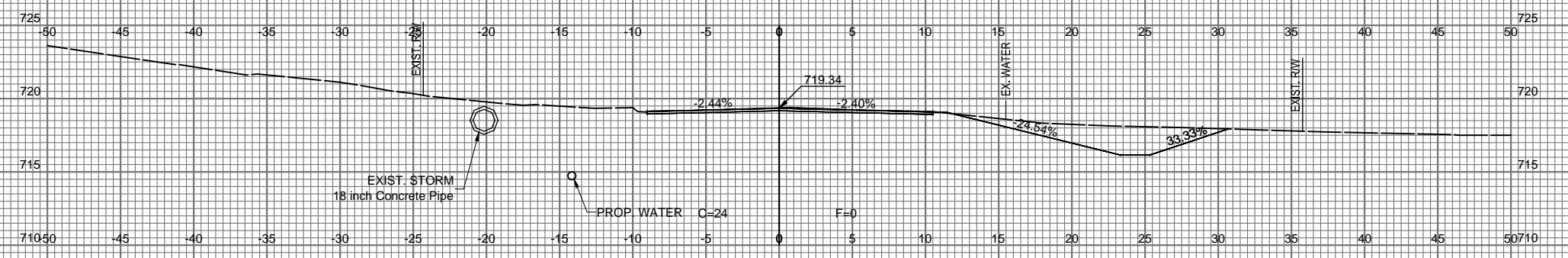
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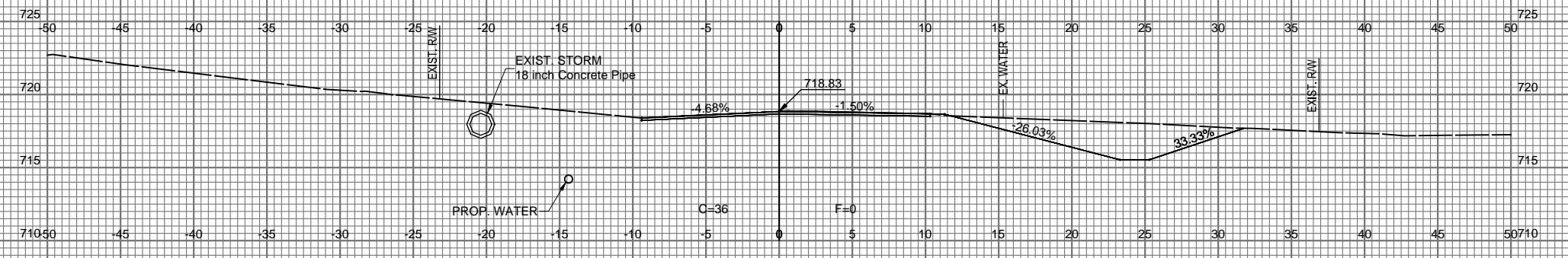
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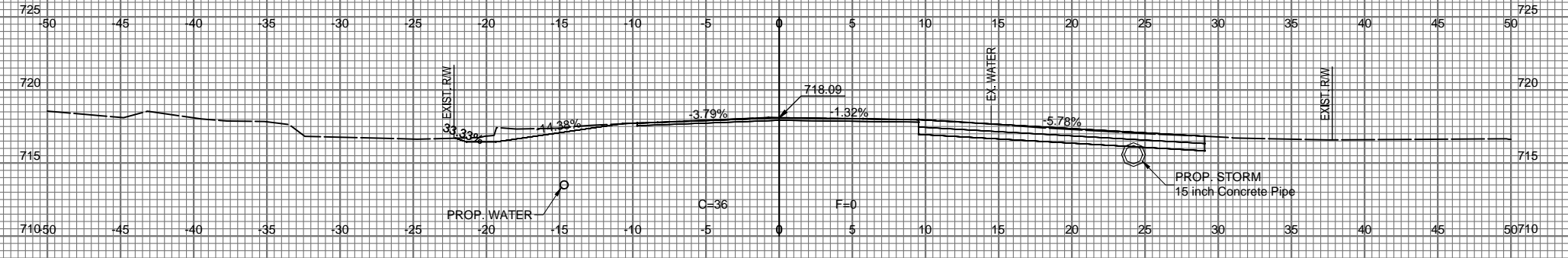
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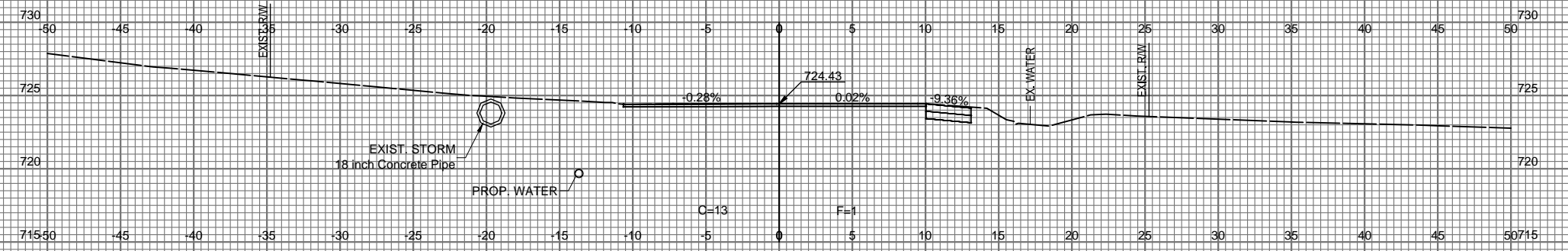
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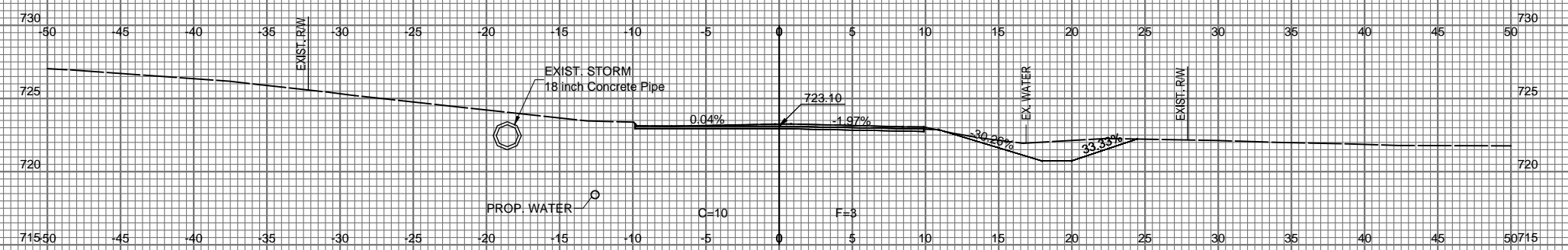
80TH & OSWEGO - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 486-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
DRAWN	CP	01/2022	
DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.		
1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
1" = 5'	DESIGN MANAGER		CITY ENGINEER
FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 183 OF 308 SHEETS

REVISION	BY	DATE

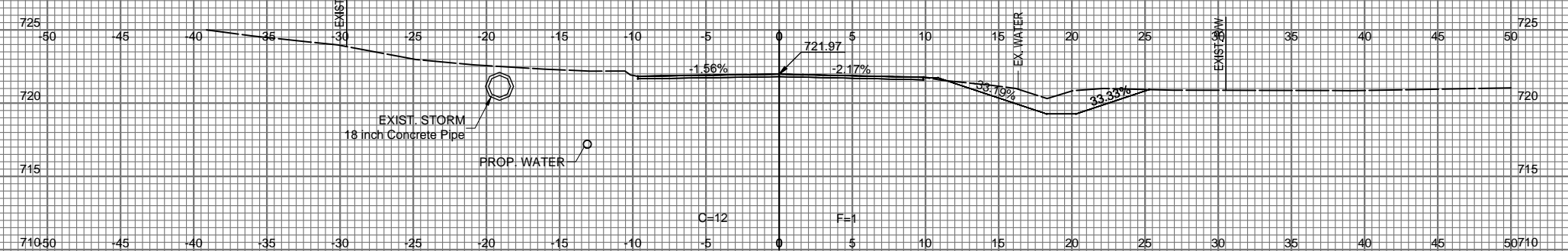
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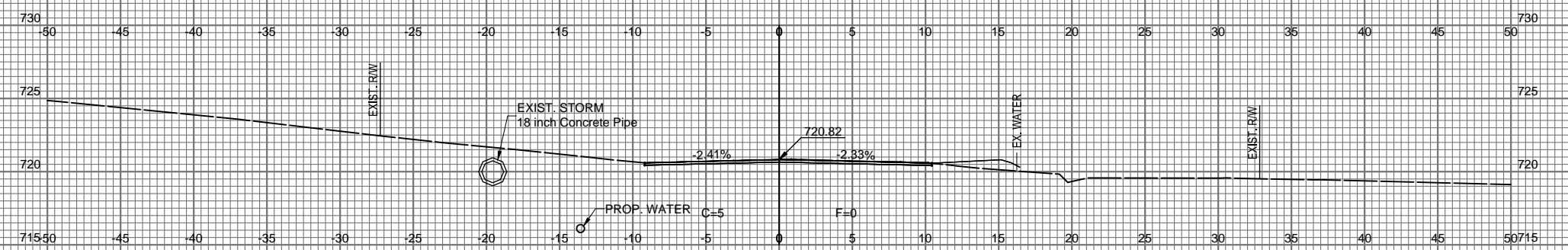
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BL-80th - Oswego PI 25+00.00



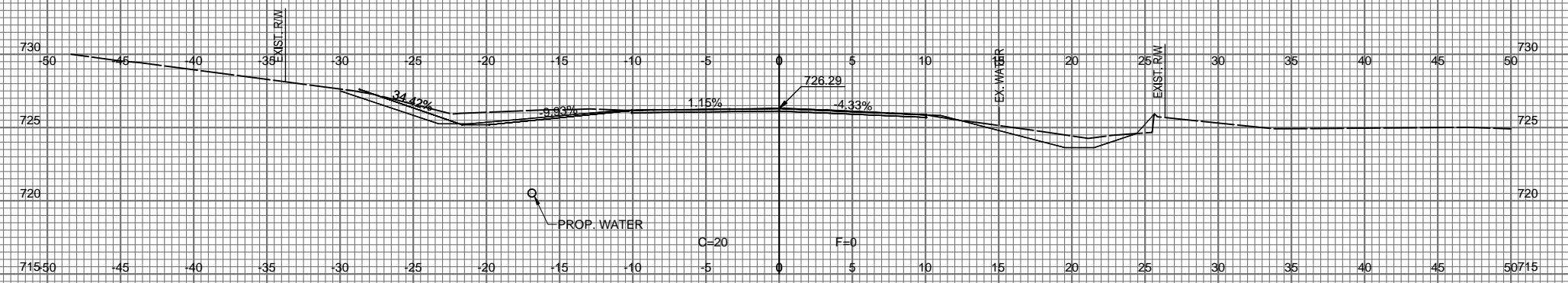
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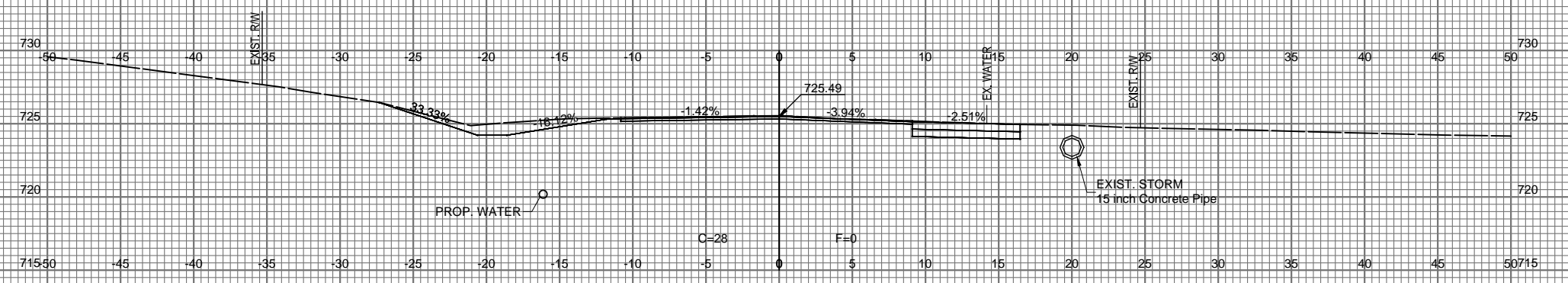
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
PROFILE SCALE:	PROJ. MGR.	LEAD ENGR.	FIELD MGR.
HORIZONTAL: 1" = 20'	RECOMMENDED:		
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768			SHEET 184 OF 308 SHEETS

REVISION	BY	DATE

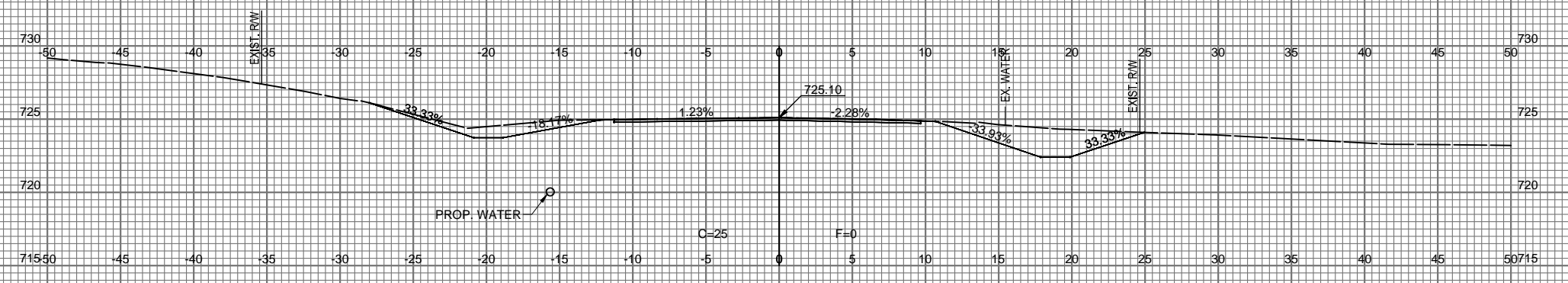
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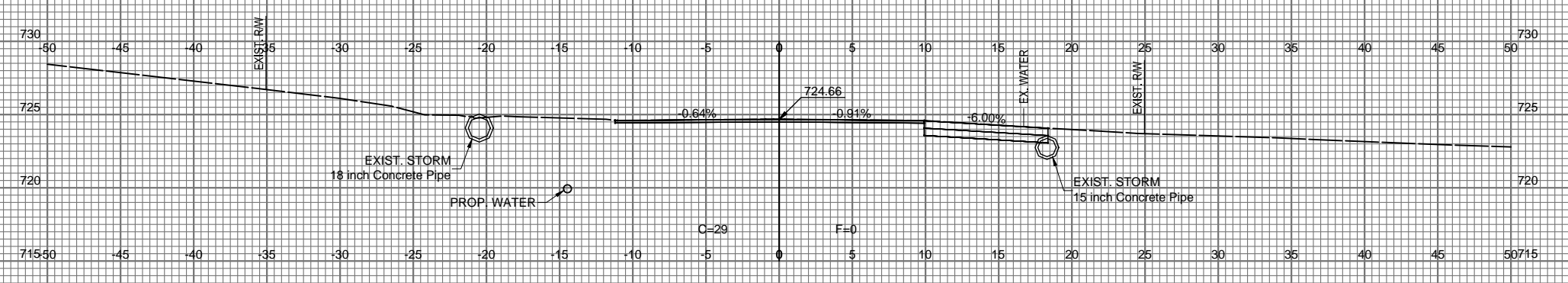
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BL-80th - Oswego PI 26+50.00



BL-80th - Oswego PI 26+28.05



BL-80th - Oswego PI 26+10.00

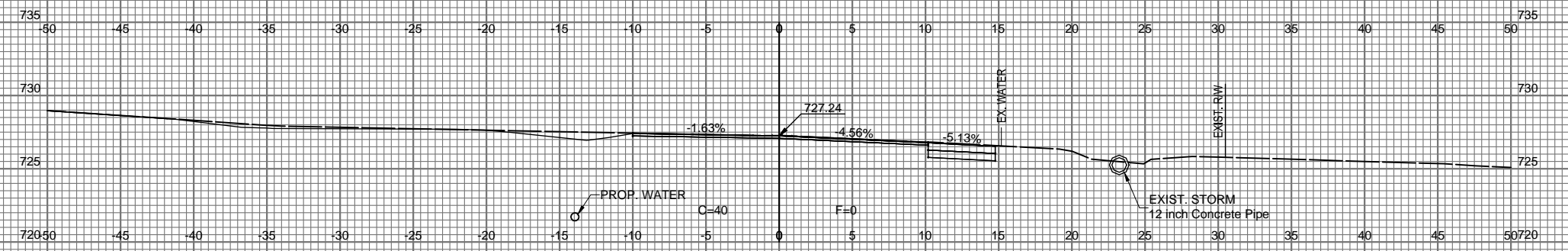


REVISION		BY	DATE

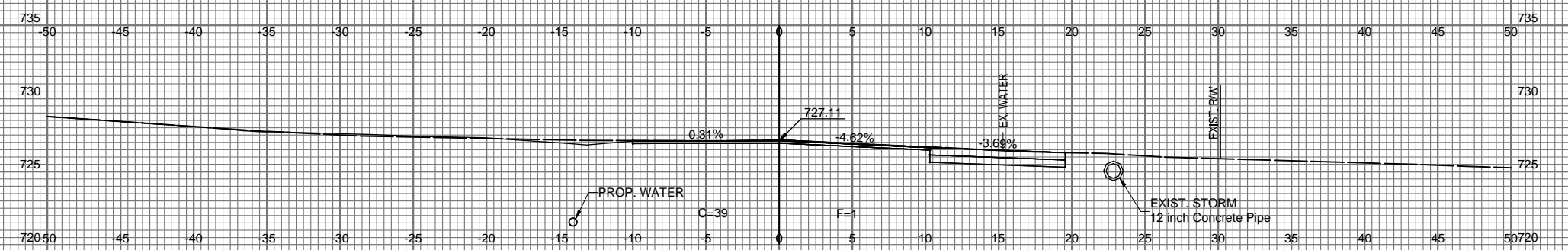
  

<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP	DATE: 01/2022	
	DESIGNED: RJP	DATE: 01/2022	
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PROFILE SCALE:	PROJ. MGR.:		
HORIZONTAL:	LEAD ENGR.:		
1" = 20'	FIELD MGR.:		
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 185 OF 308 SHEETS

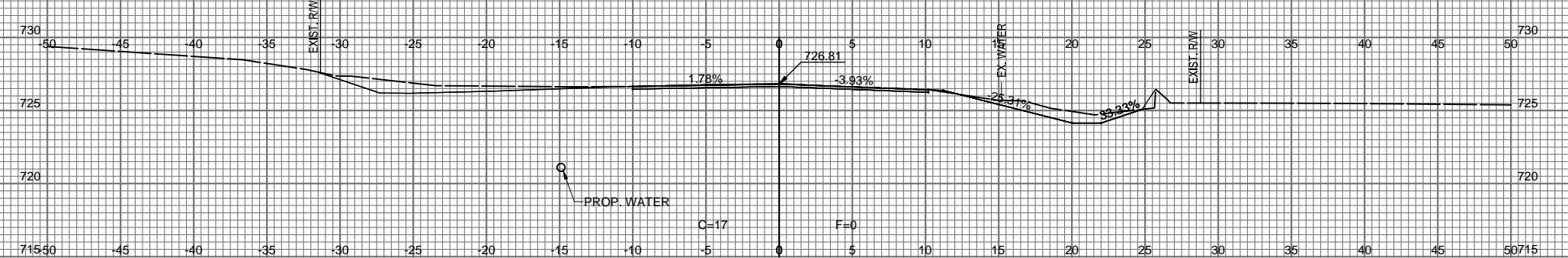
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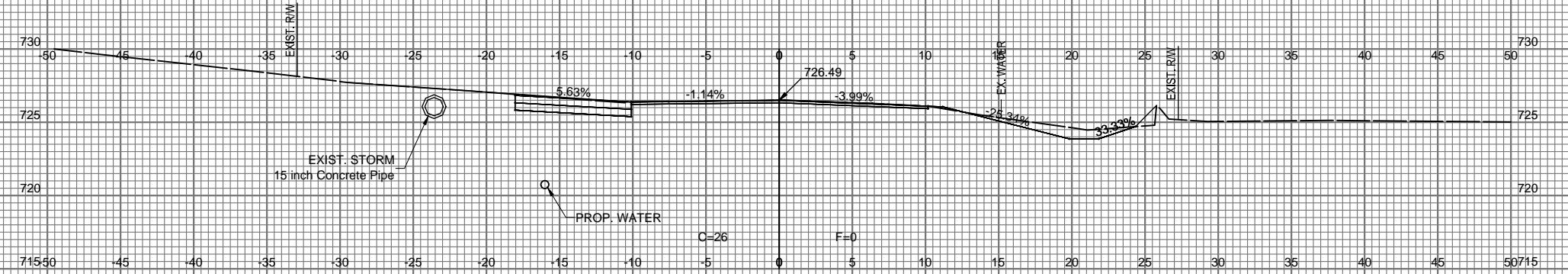
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BL-80th - Oswego PI 27+56.53



BL-80th - Oswego PI 27+30.54



BL-80th - Oswego PI 27+10.00



**80TH & OSWEGO - CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S

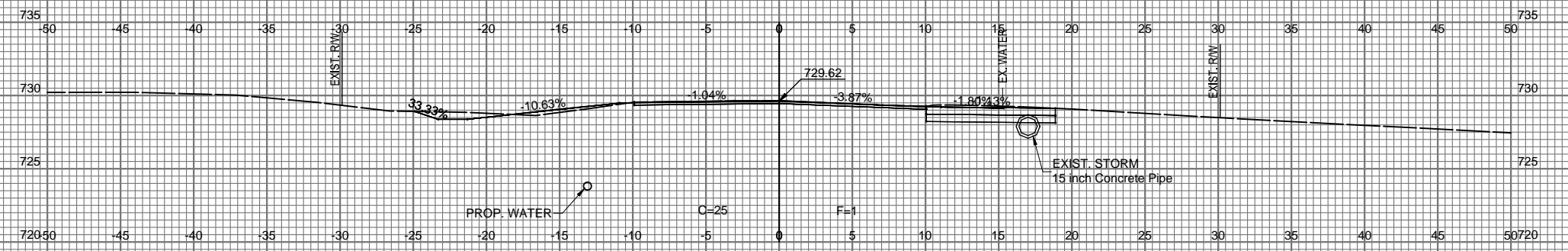
CITY OF TULSA, OKLAHOMA  
 ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: **IPEC** PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401  
 TULSA, OK 74116-9800 www.ipec.com  
 C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023

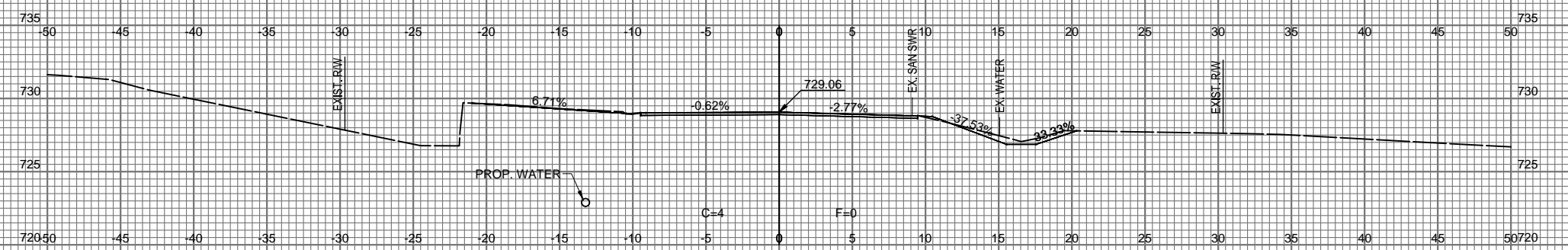
REVISION	BY	DATE

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FILE: _____ ATLAS PAGE NO: 661 & 768	DRAWING: _____ DATE: _____	DATE: _____ SHEET 186 OF 308 SHEETS

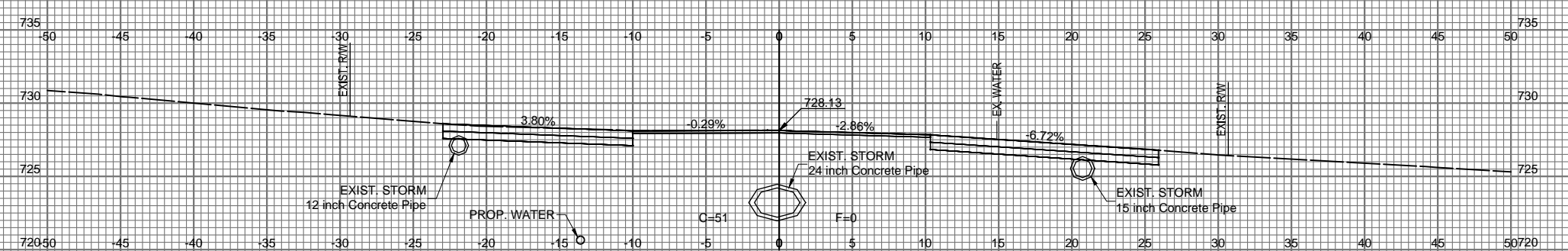
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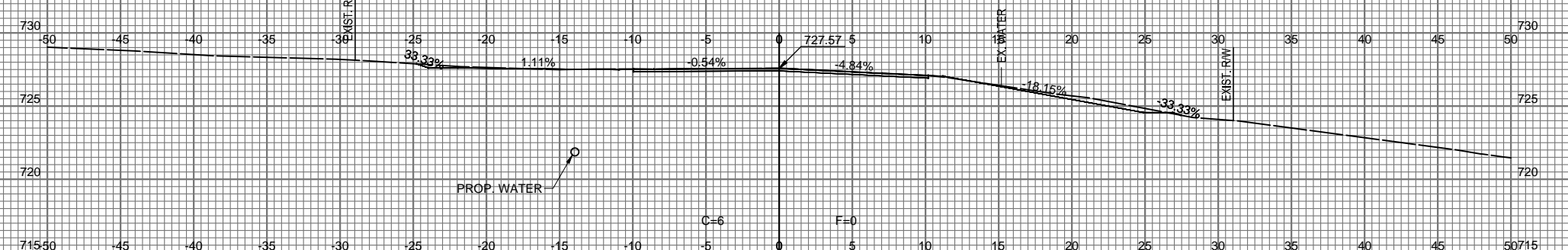
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BL-80th - Oswego PI 29+00.00



BL-80th - Oswego PI 28+50.00



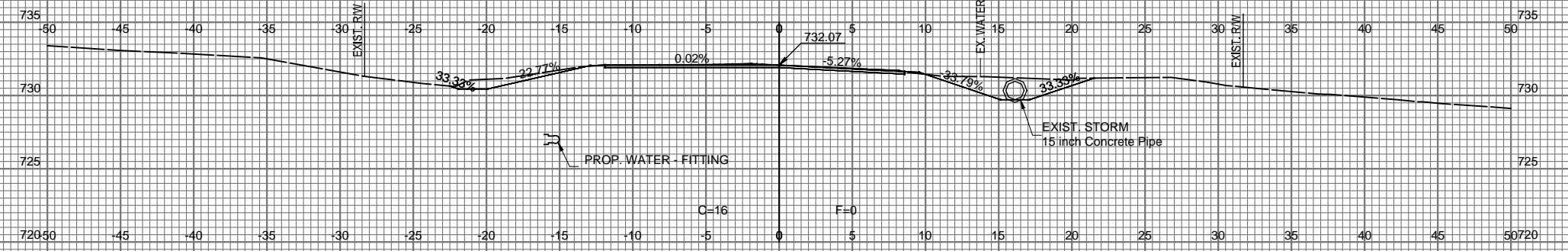
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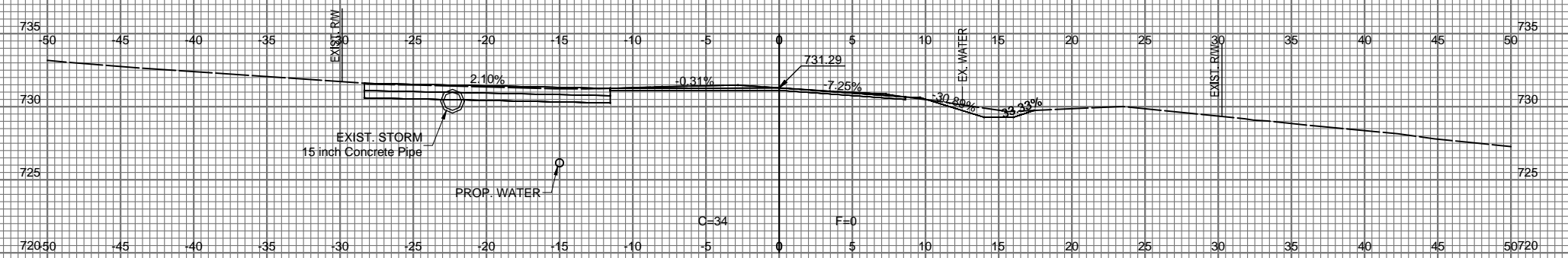
<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
PROFILE SCALE:	PROJ. MGR.	LEAD ENGR.	FIELD MGR.
HORIZONTAL: 1" = 20'	RECOMMENDED:		
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768			SHEET 187 OF 308 SHEETS

REVISION	BY	DATE

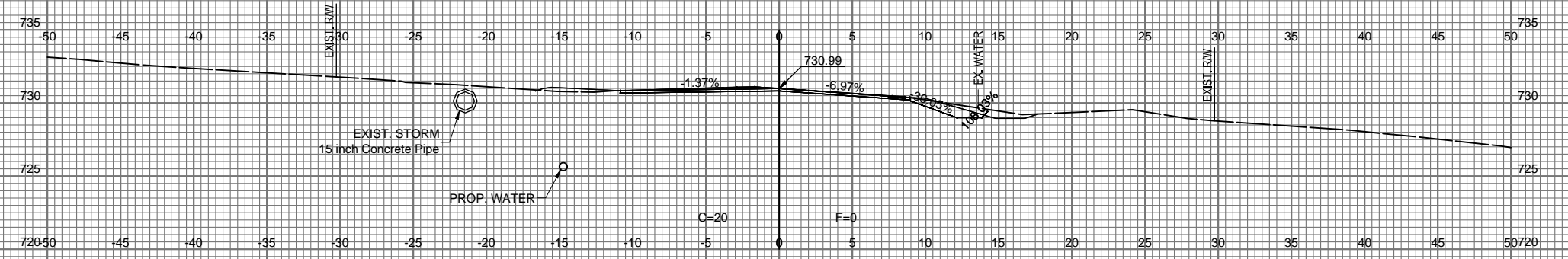
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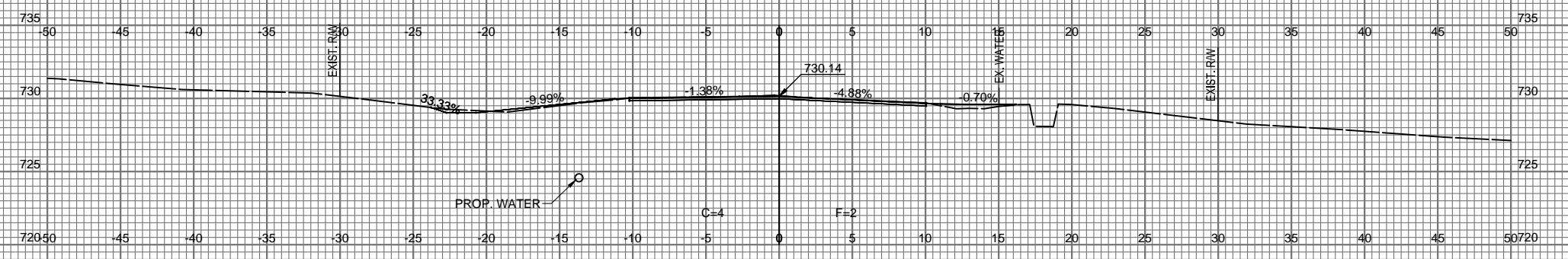
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BL-80th - Oswego PI 30+00.00



BL-80th - Oswego PI 29+83.09



BL-80th - Oswego PI 29+50.00



**80TH & OSWEGO - CROSS SECTIONS**

PROJECT NUMBERS: 144863-S & TMUA-W17-10

NON-ARTERIAL STREET REHABILITATION AND  
WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S

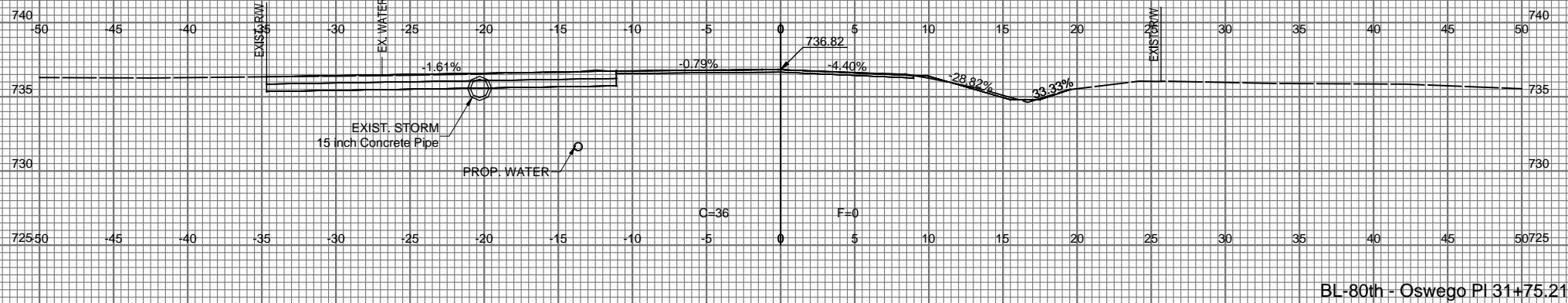
**CITY OF TULSA, OKLAHOMA**  
ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY: **APEC** PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401  
 TULSA, OK 74116-6900 www.apec.com  
 C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023

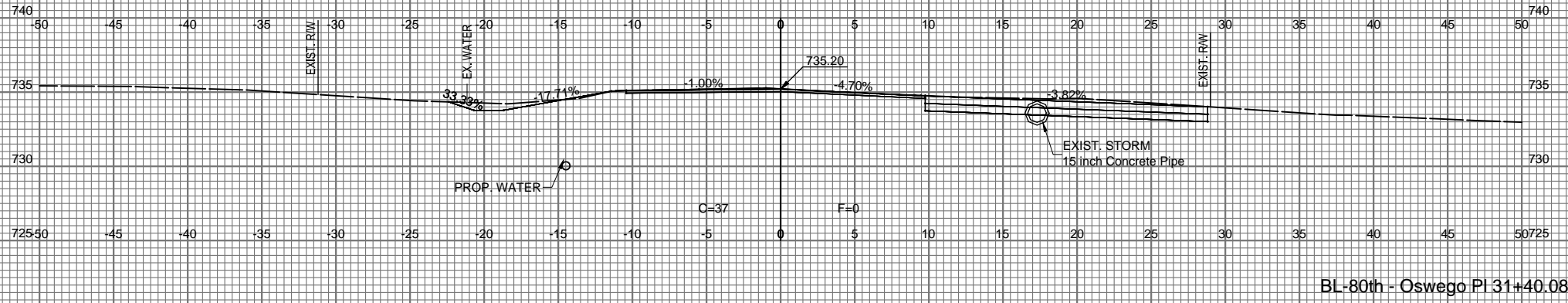
REVISION	BY	DATE

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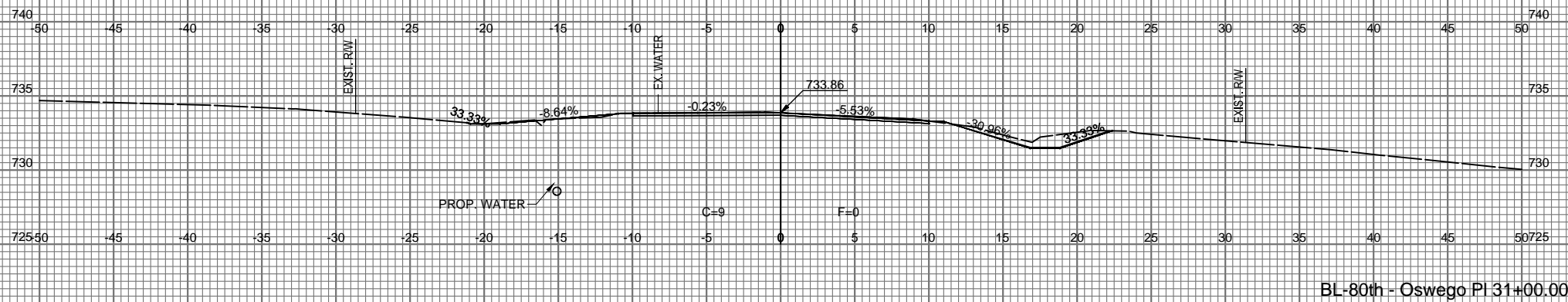
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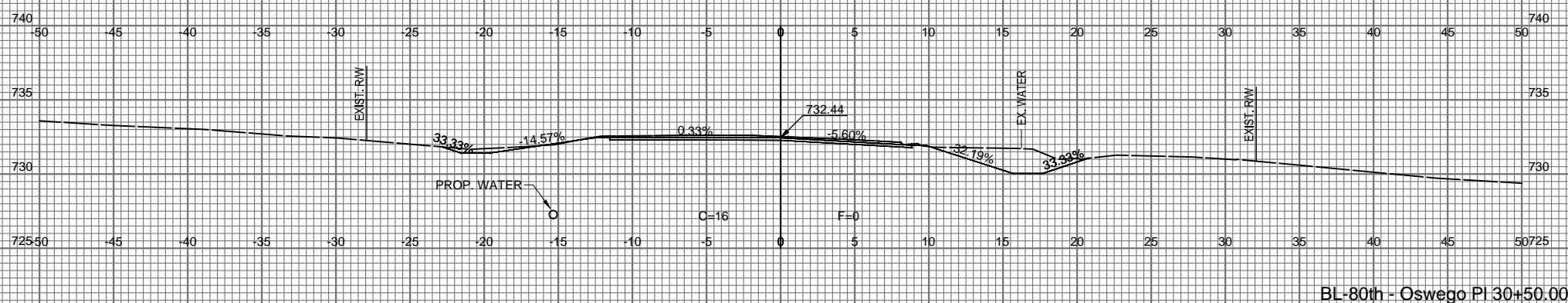
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BL-80th - Oswego PI 31+40.08



BL-80th - Oswego PI 31+00.00



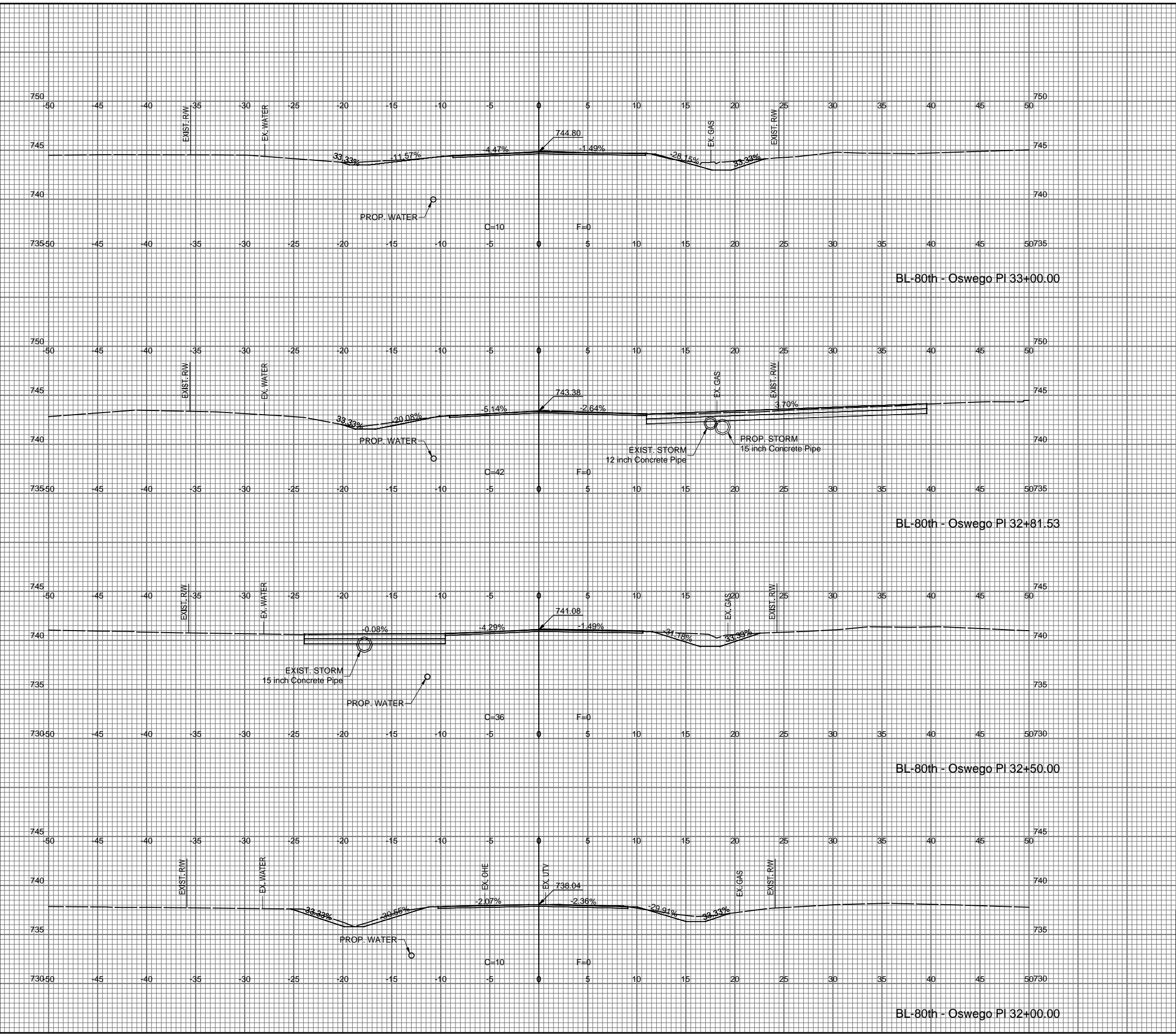
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<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023		
PLAN SCALE:	DRAWN	CP	01/2022
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	SURVEY	JRL	06/2018
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HORIZONTAL: 1" = 20'	LEAD ENGR.		
	FIELD MGR.		
VERTICAL: 1" = 5'	RECOMMENDED:		
FILE:	DESIGN MANAGER		CITY ENGINEER
ATLAS PAGE NO: 661 & 768	DRAWING:		DATE:
			SHEET 189 OF 308 SHEETS

REVISION	BY	DATE

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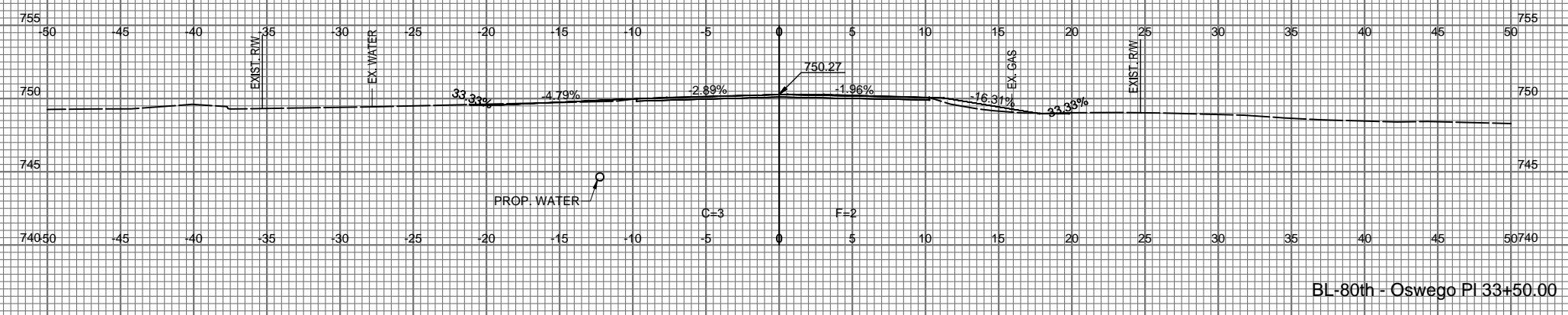
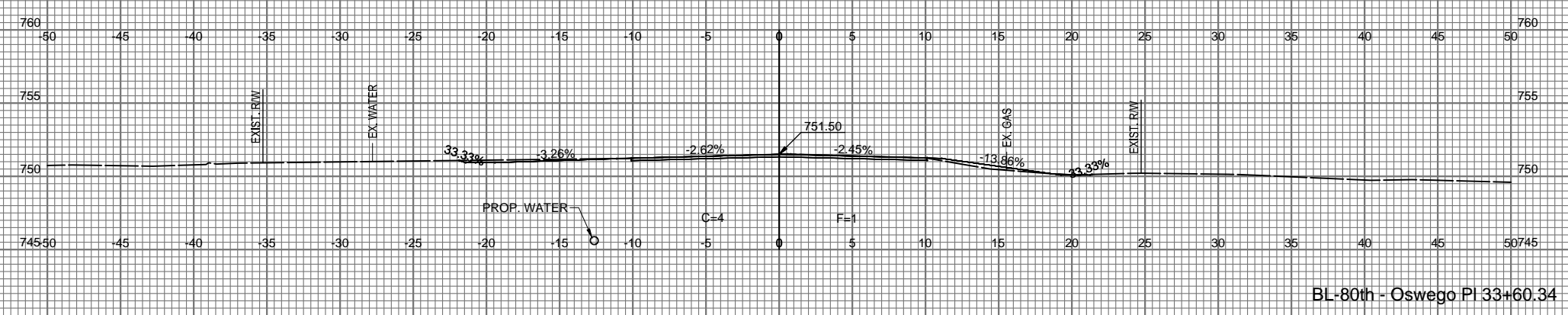


80TH & OSWEGO - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 486-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
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			SHEET 190 OF 308 SHEETS

REVISION	BY	DATE



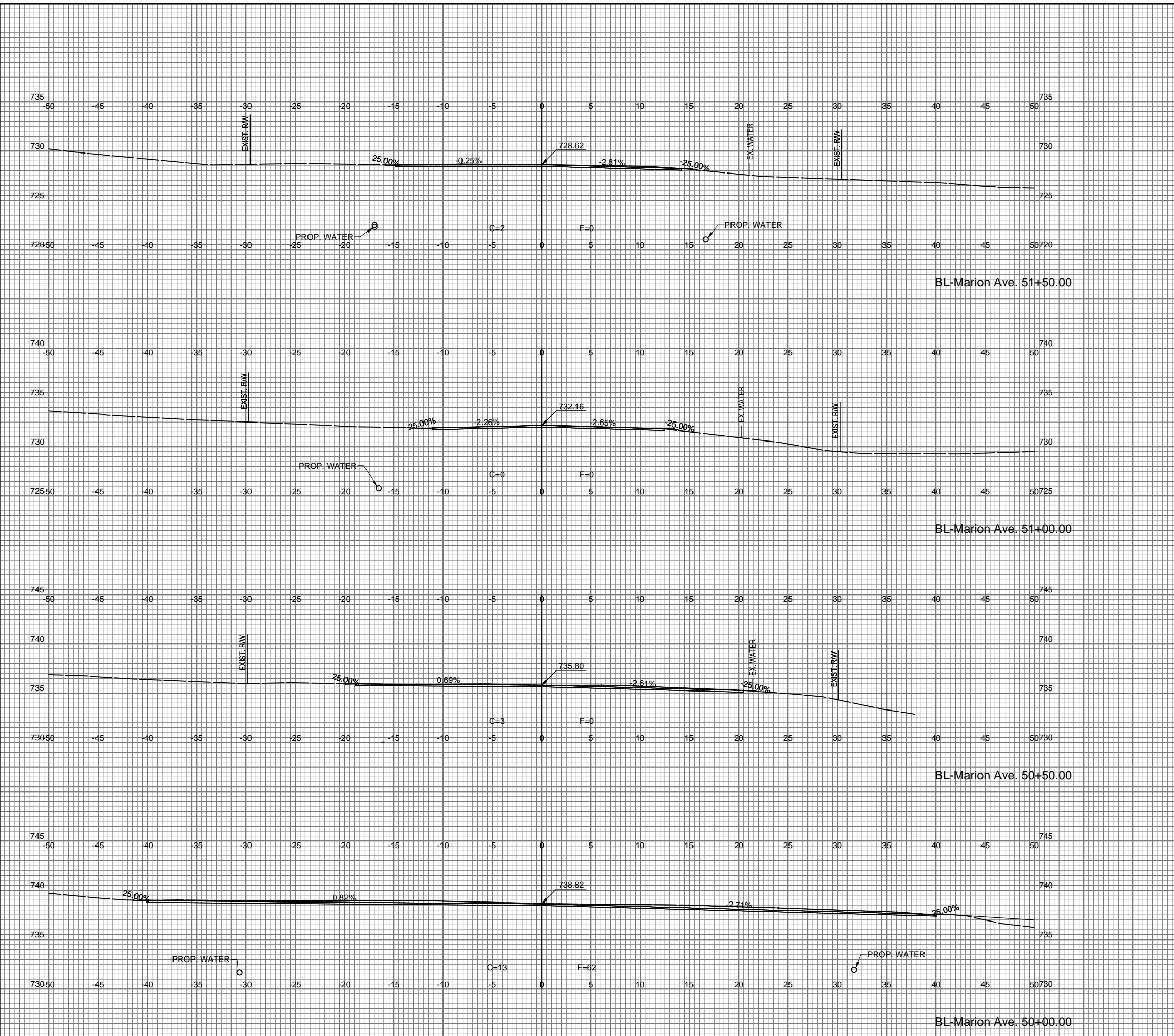
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<b>80TH &amp; OSWEGO - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
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VERTICAL:	RECOMMENDED:		
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ATLAS PAGE NO:	661 & 768		SHEET 191 OF 308 SHEETS

REVISION	BY	DATE

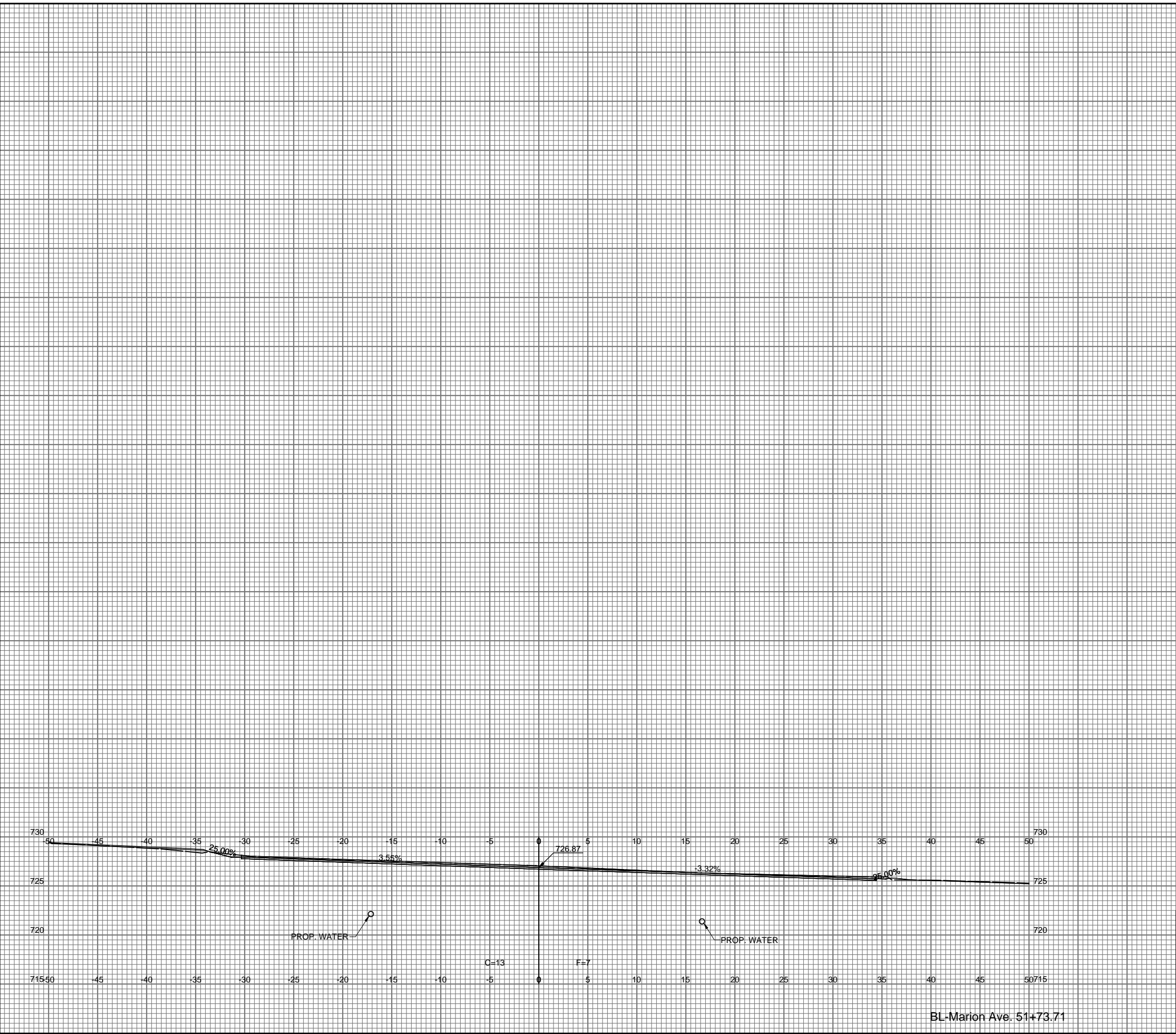
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<b>MARION AVE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
PLAN SCALE:	DRAWN: CP 01/2022	APPROVED:	
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FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768		SHEET 192 OF 308 SHEETS	


REVISION	BY	DATE

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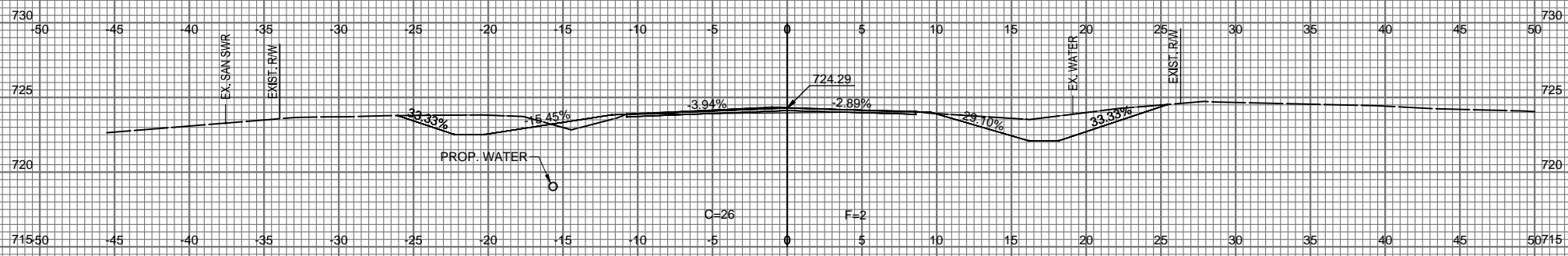
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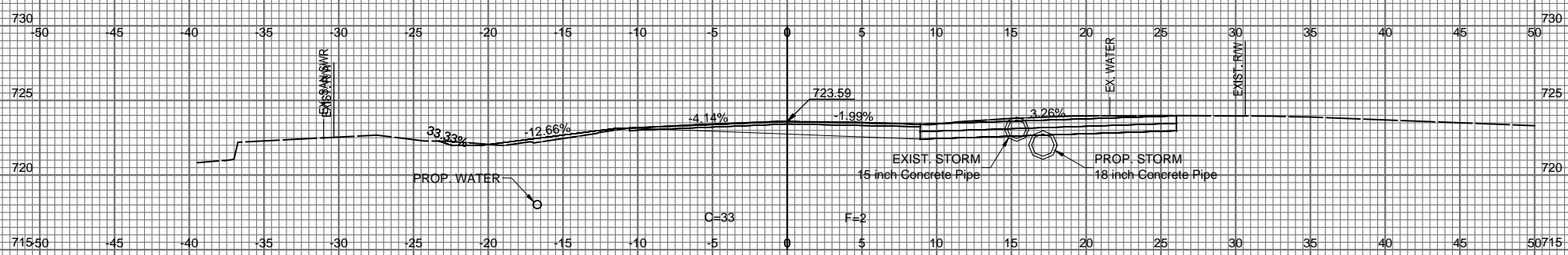
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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	ATLAS PAGE NO: 661 & 768		SHEET 193 OF 308 SHEETS

REVISION	BY	DATE

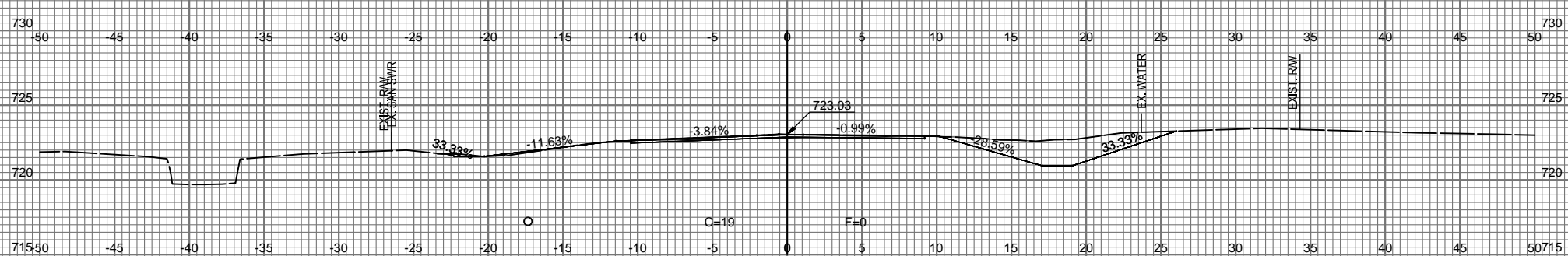
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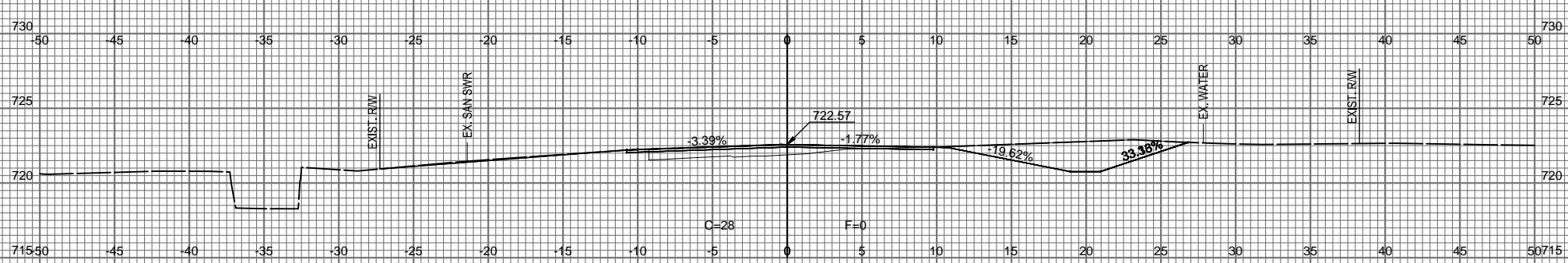
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BL- New Haven Av 61+22.00



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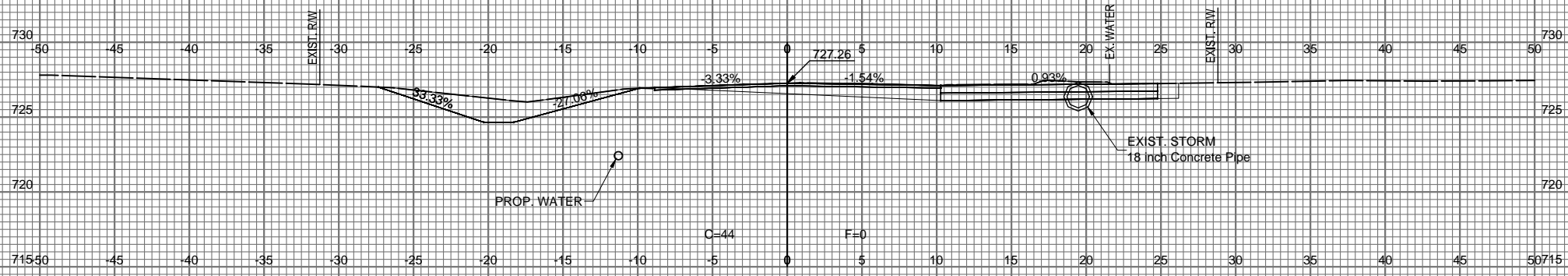
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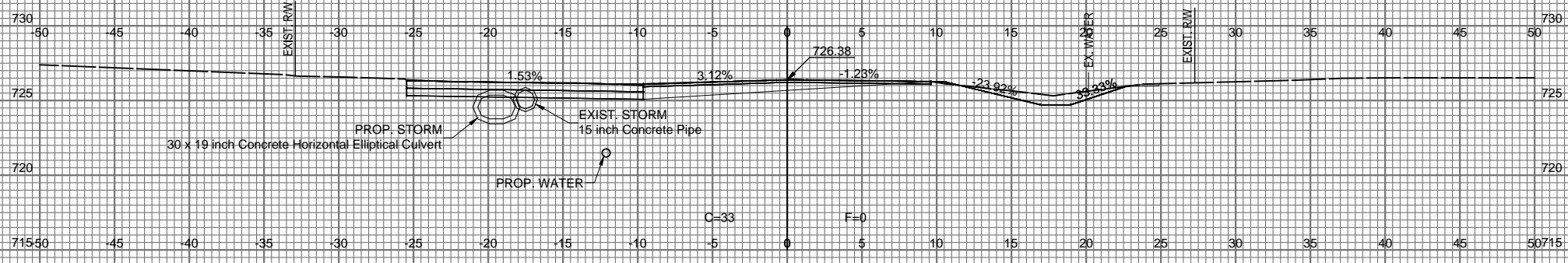
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CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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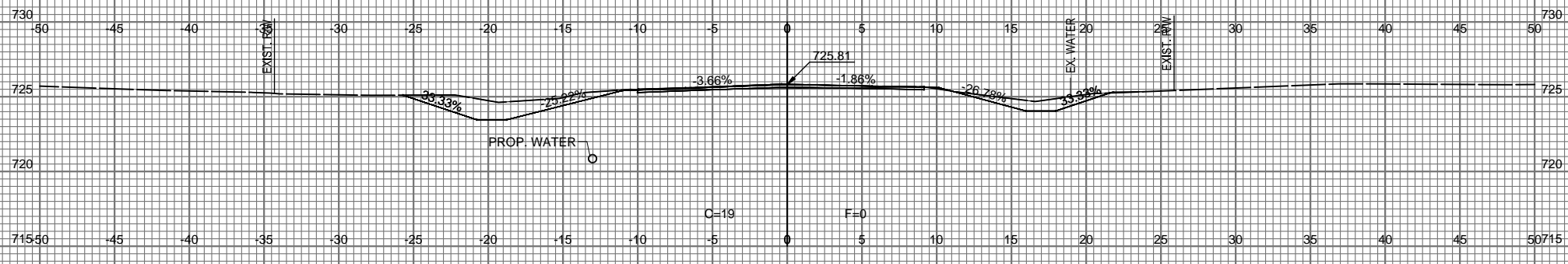
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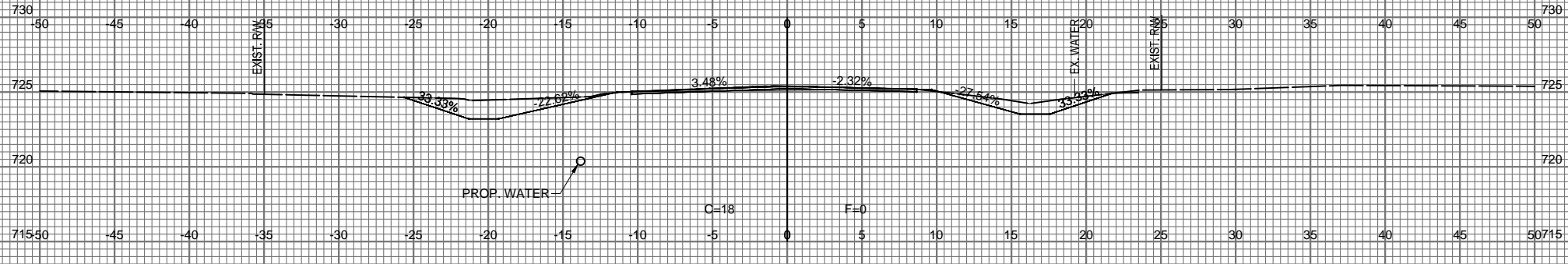
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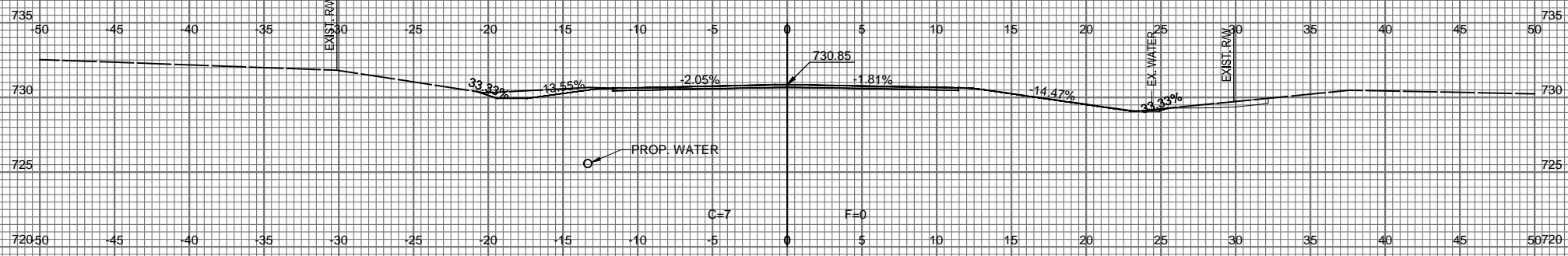
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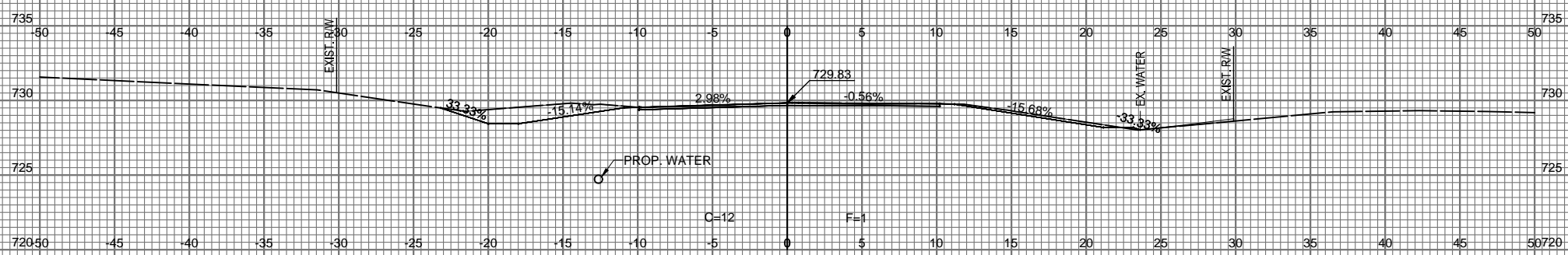
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CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT											
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918)645-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:									
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PROJ. MGR.											
LEAD ENGR.											
FIELD MGR.											
HORIZONTAL: 1" = 20'	RECOMMENDED:										
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER									
FILE:	DRAWING:	DATE:									
ATLAS PAGE NO: 661 & 768		SHEET 195 OF 308 SHEETS									

REVISION	BY	DATE

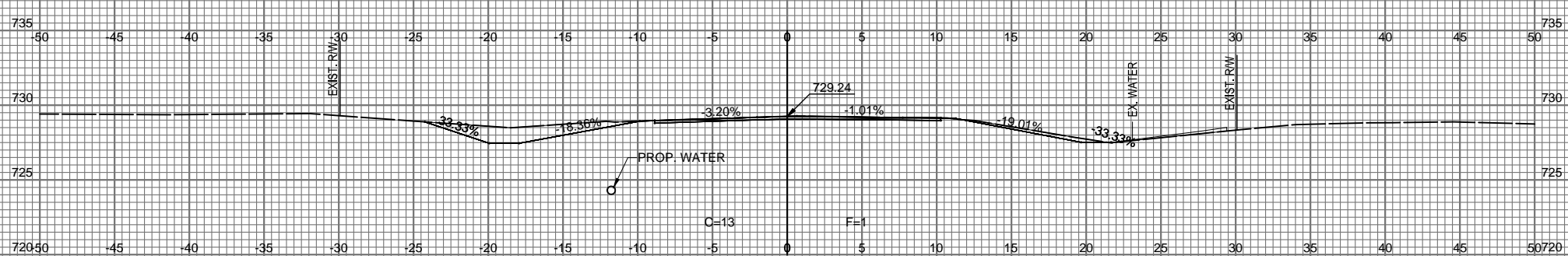
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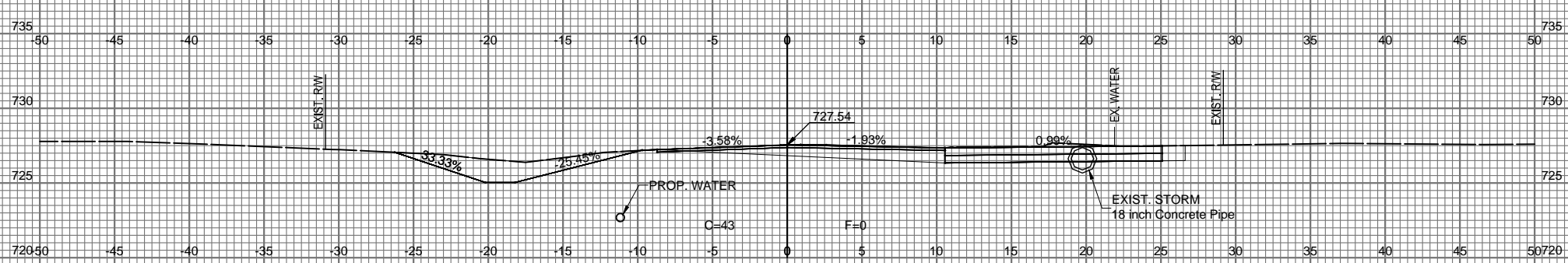
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BL- New Haven Av 63+20.48



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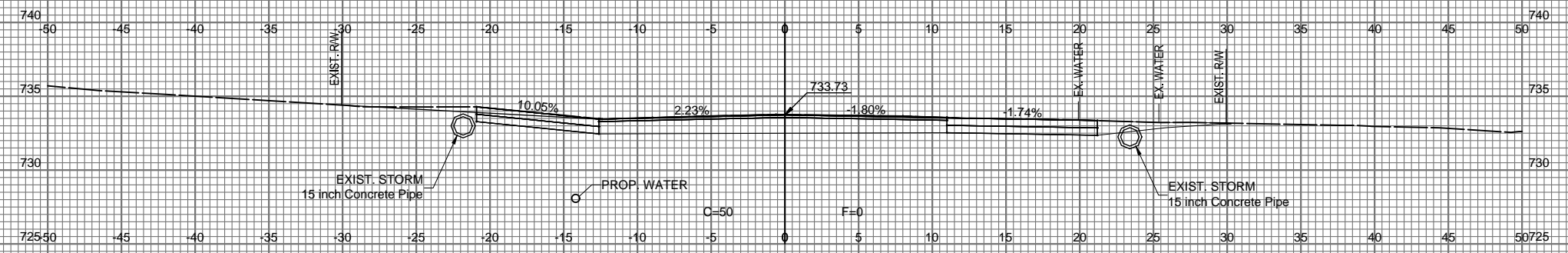
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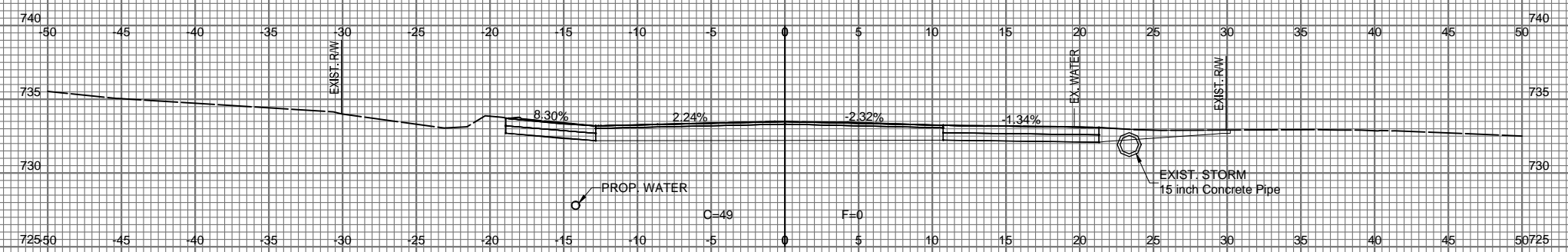
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PROJECT NUMBERS:144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023
PLAN SCALE:	DRAWN CP 01/2022 APPROVED: DESIGNED RJP 01/2022 SURVEY JRL 06/2018
PROFILE SCALE:	PROJ. MGR. LEAD ENGR. FIELD MGR.
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REVISION	BY	DATE

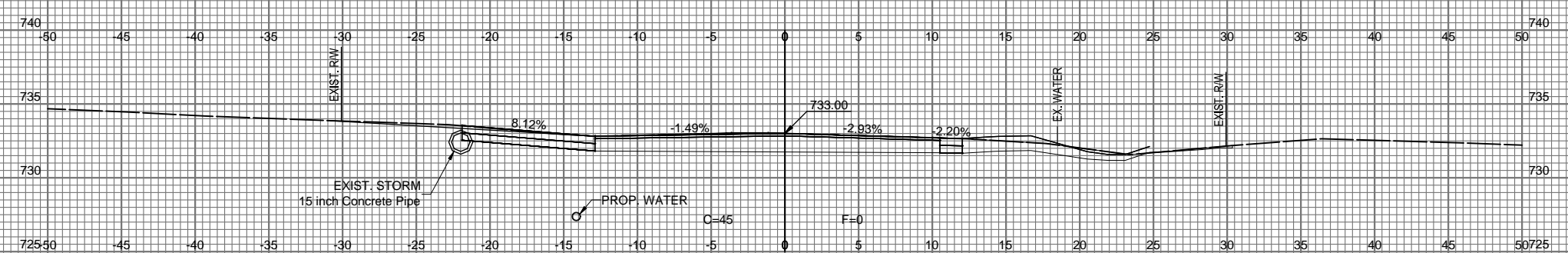
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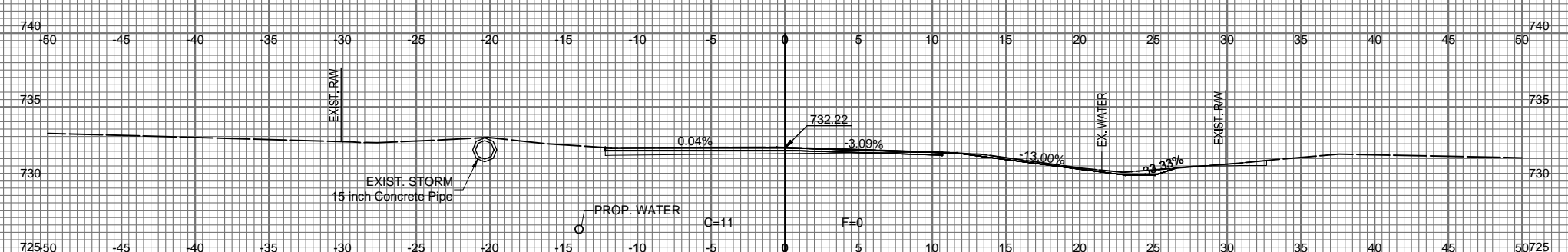
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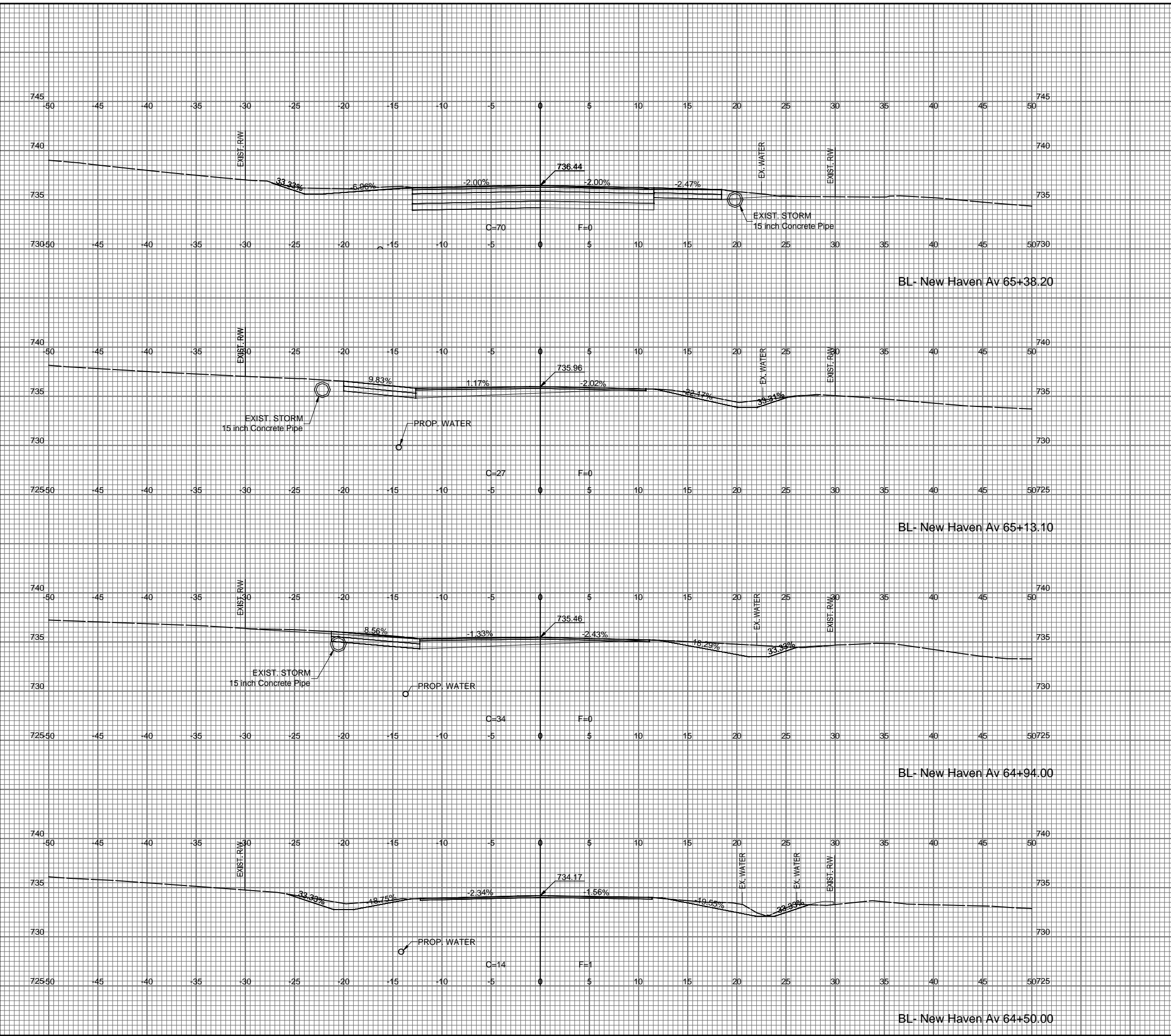


**NEW HAVEN AVE CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	FILE:	DRAWING:	DATE:
	ATLAS PAGE NO: 661 & 768		SHEET 197 OF 308 SHEETS

REVISION	BY	DATE

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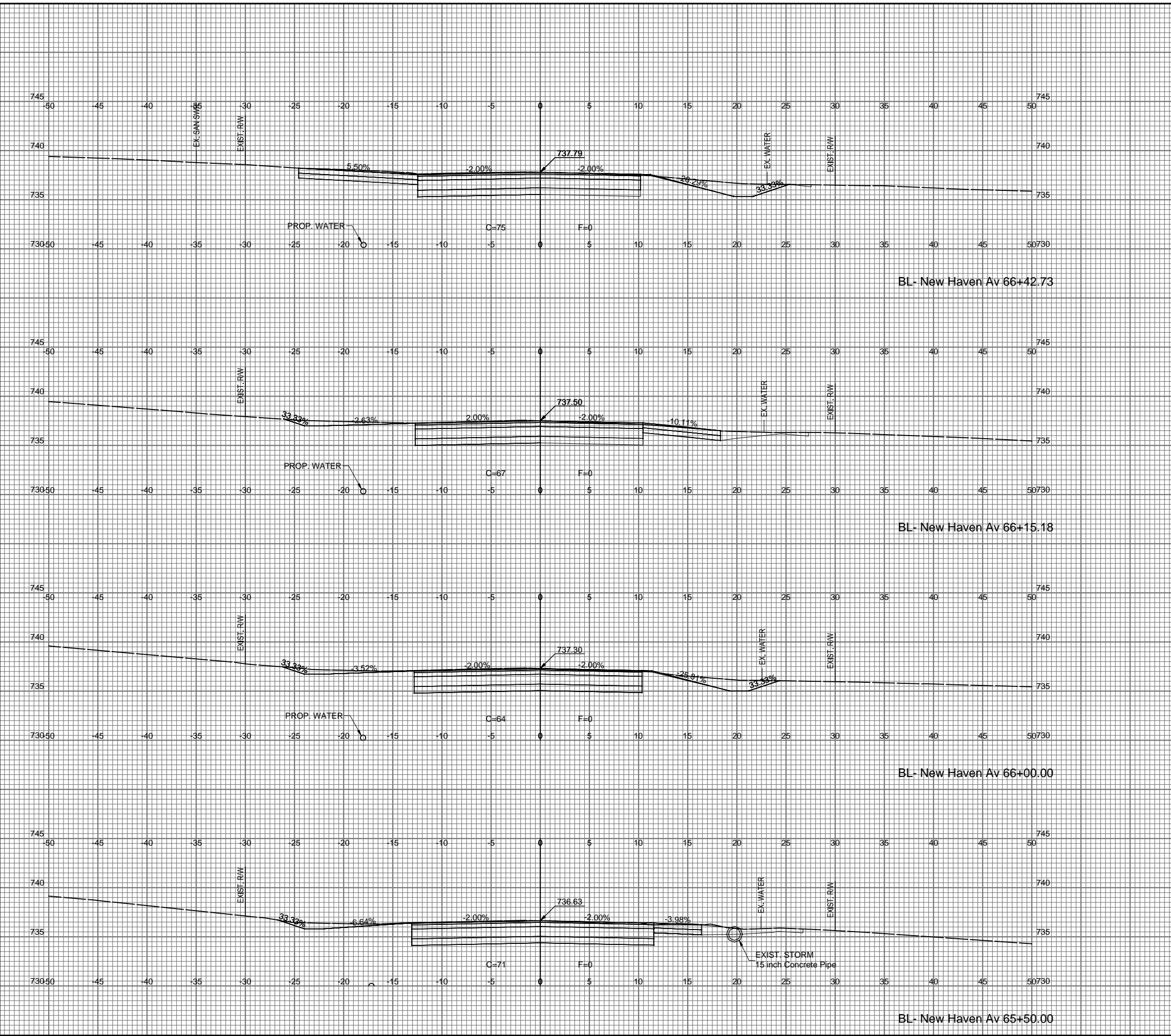


<b>NEW HAVEN AVE CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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	SHEET 198 OF 308 SHEETS

REVISION	BY	DATE



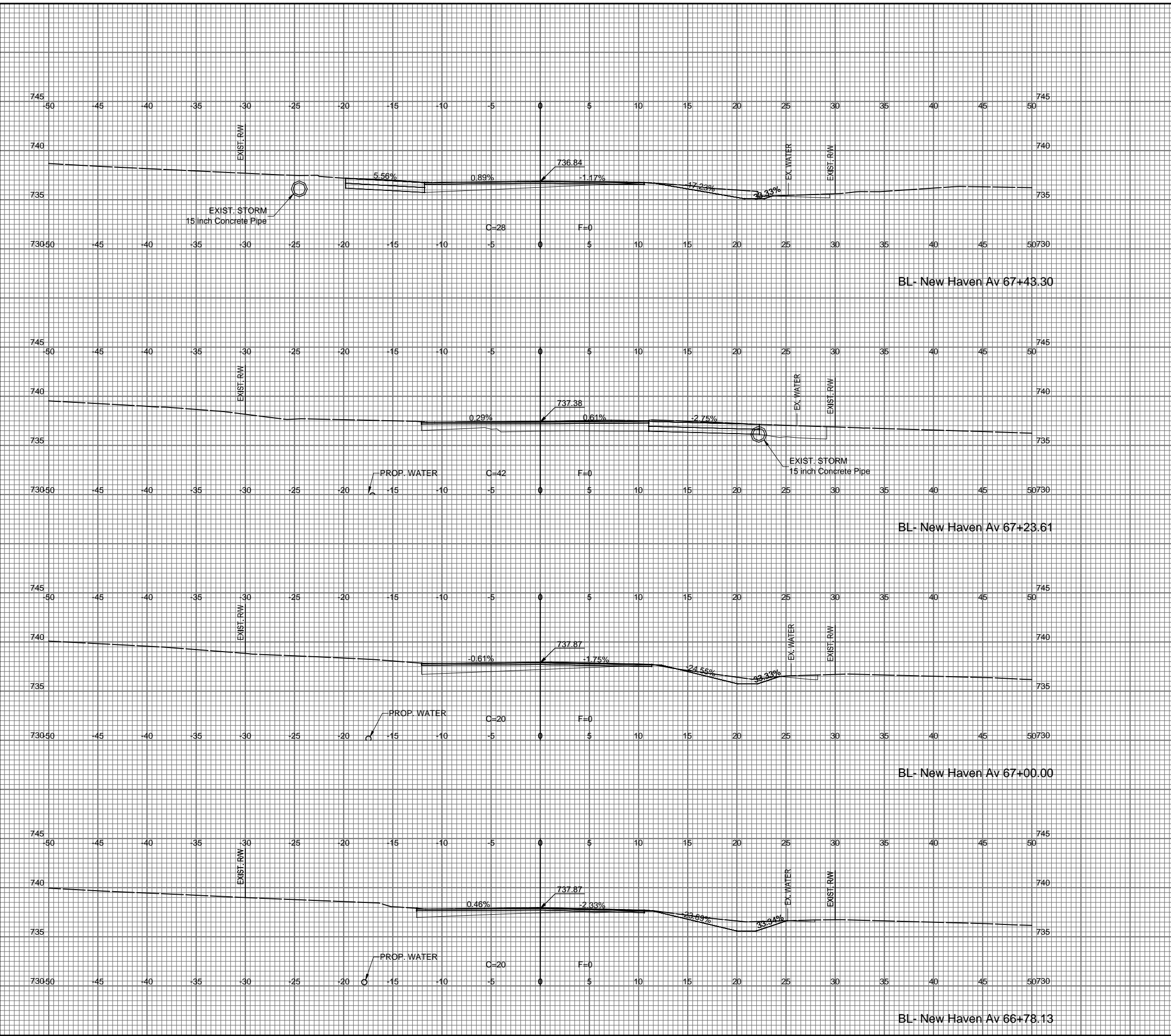
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<b>NEW HAVEN AVE CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
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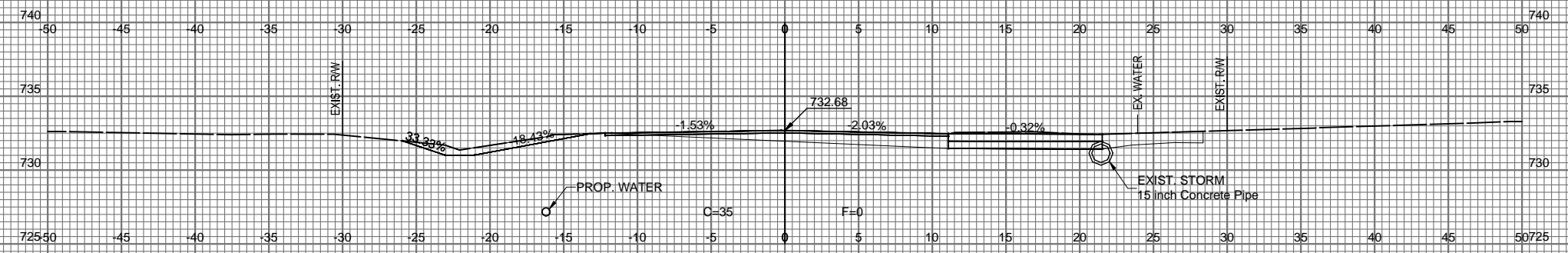
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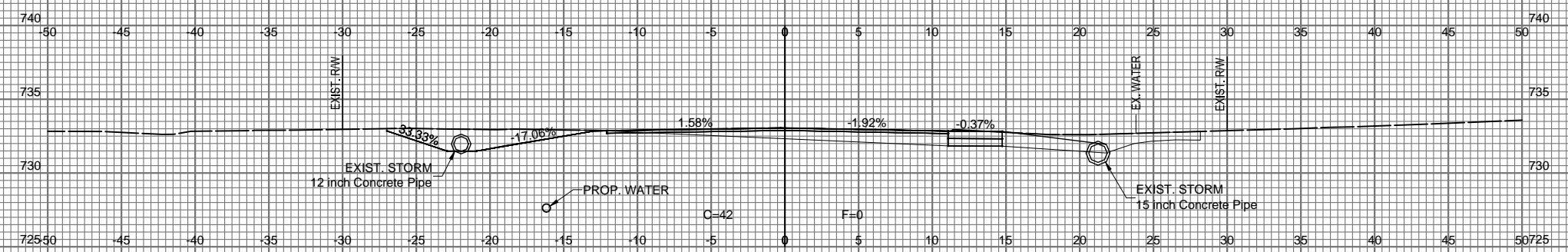
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CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023
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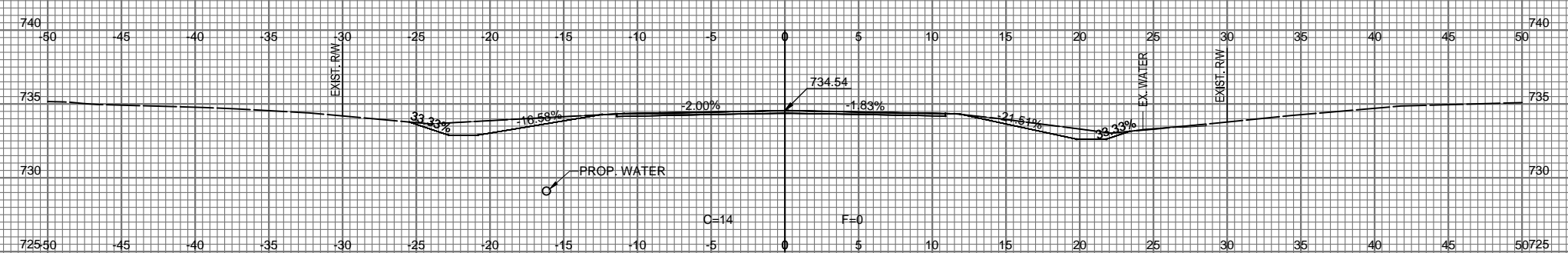
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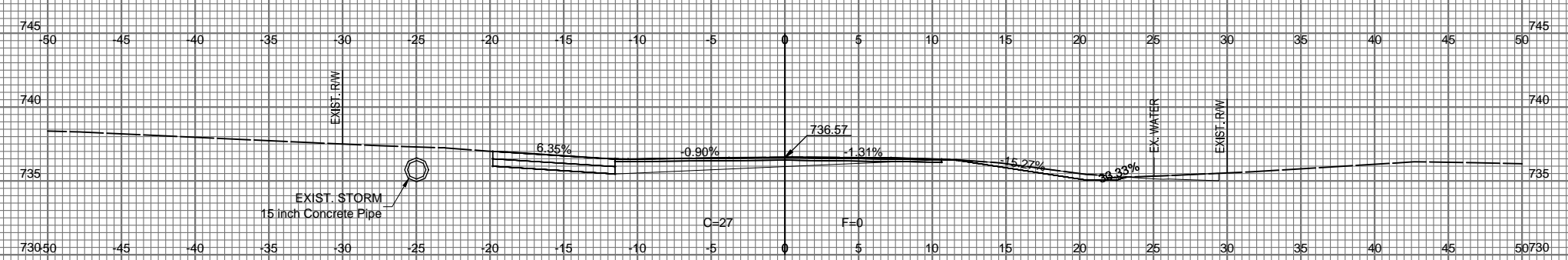
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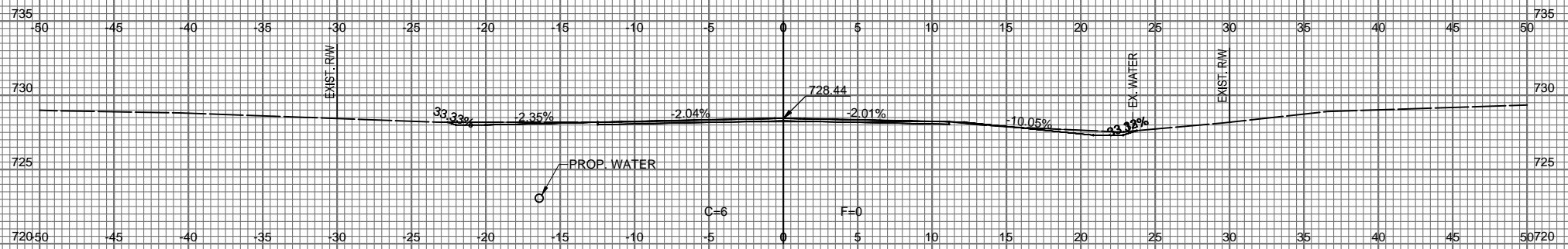
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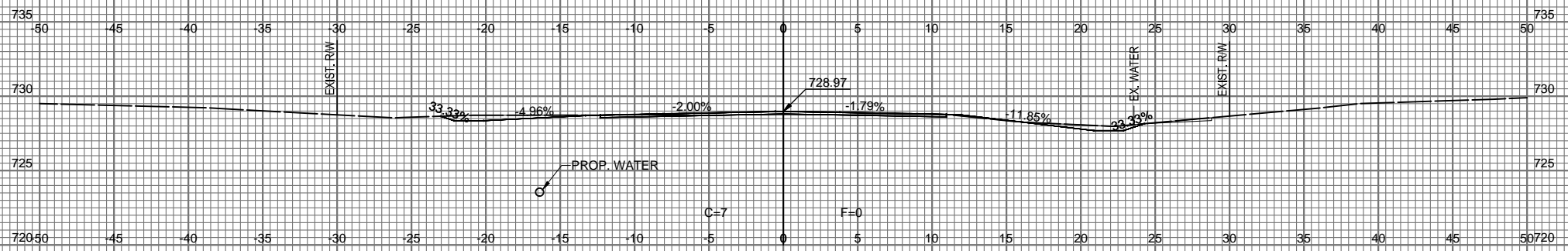
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CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023
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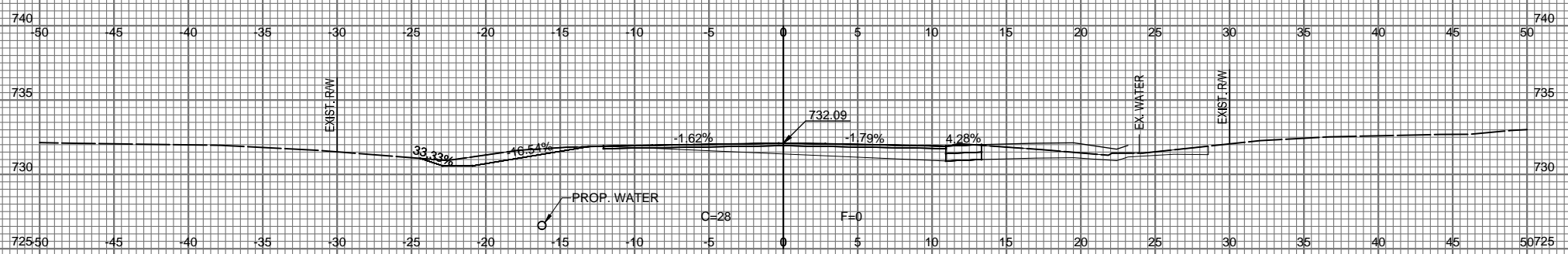
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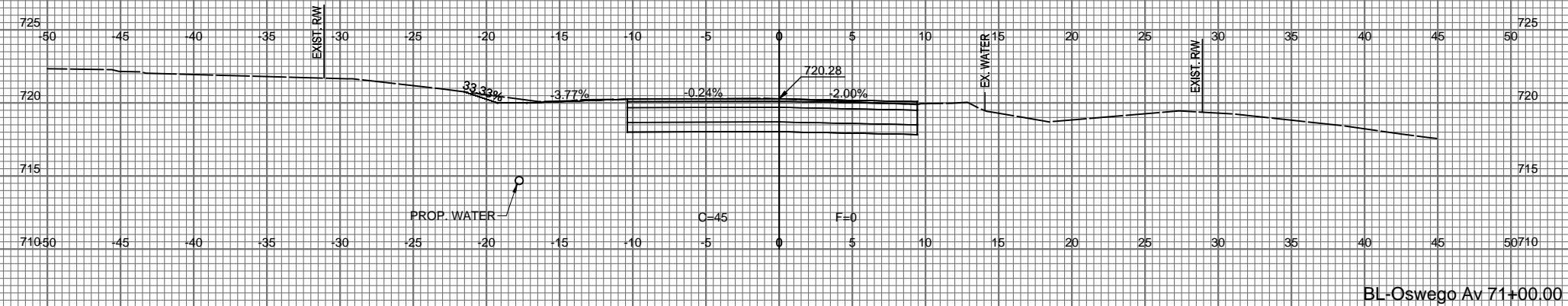


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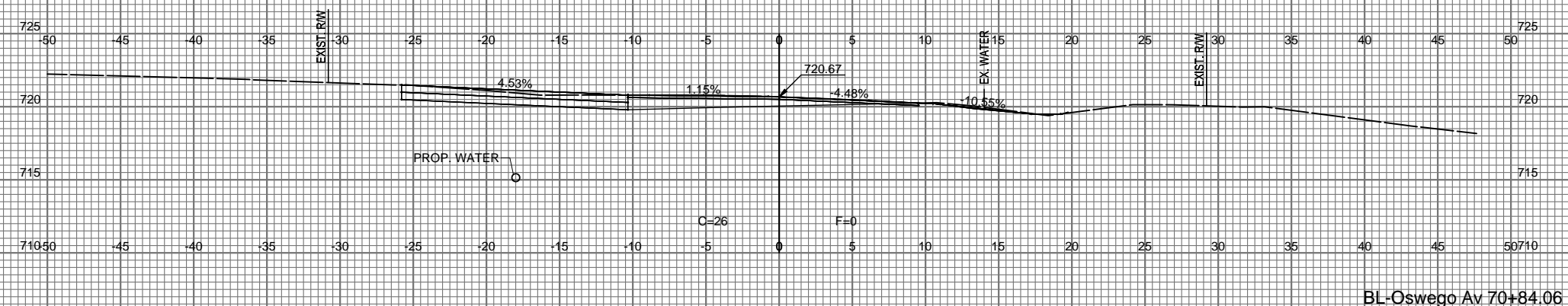


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CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
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FILE:	DRAWING:		DATE:
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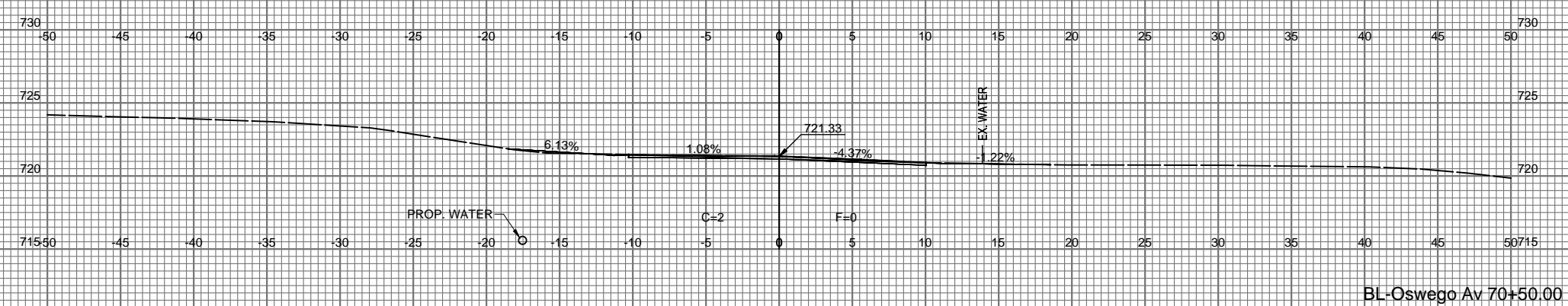
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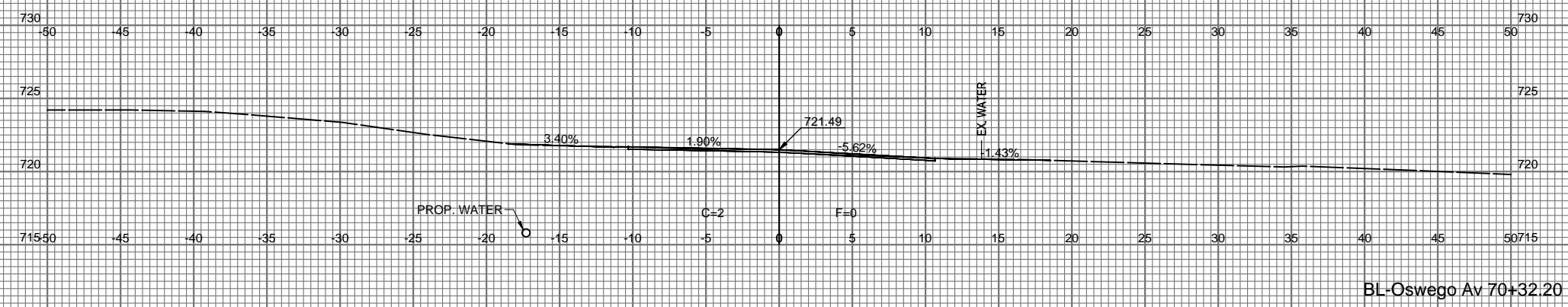
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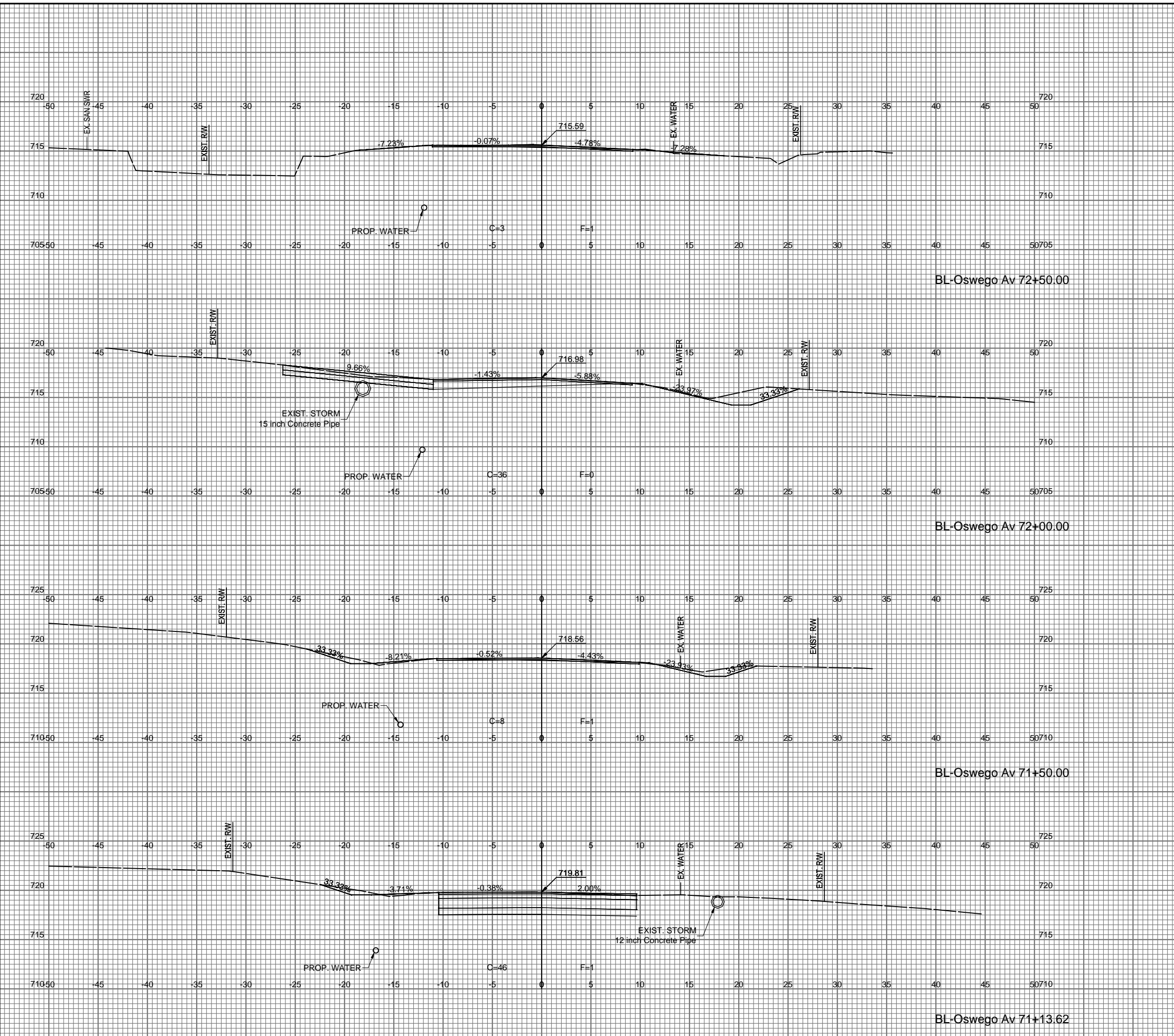
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<b>OSWEGO AVE - CROSS SECTIONS</b>													
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
PLAN SCALE:	<table border="1"> <tr> <td>DRAWN</td> <td>CP</td> <td>01/2022</td> <td>APPROVED:</td> </tr> <tr> <td>DESIGNED</td> <td>RJP</td> <td>01/2022</td> <td></td> </tr> <tr> <td>SURVEY</td> <td>JRL</td> <td>06/2018</td> <td></td> </tr> </table>	DRAWN	CP	01/2022	APPROVED:	DESIGNED	RJP	01/2022		SURVEY	JRL	06/2018	
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SURVEY	JRL	06/2018											
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LEAD ENGR.													
FIELD MGR.													
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DESIGN MANAGER													
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REVISION	BY	DATE

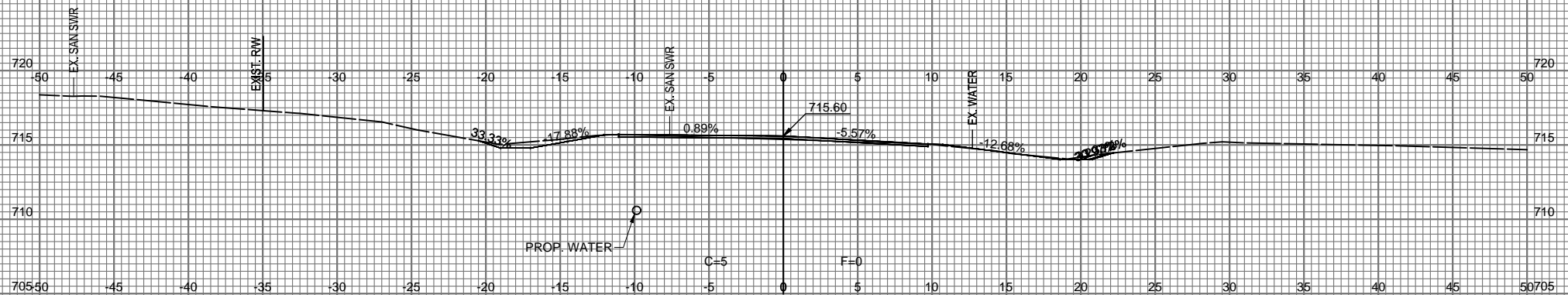
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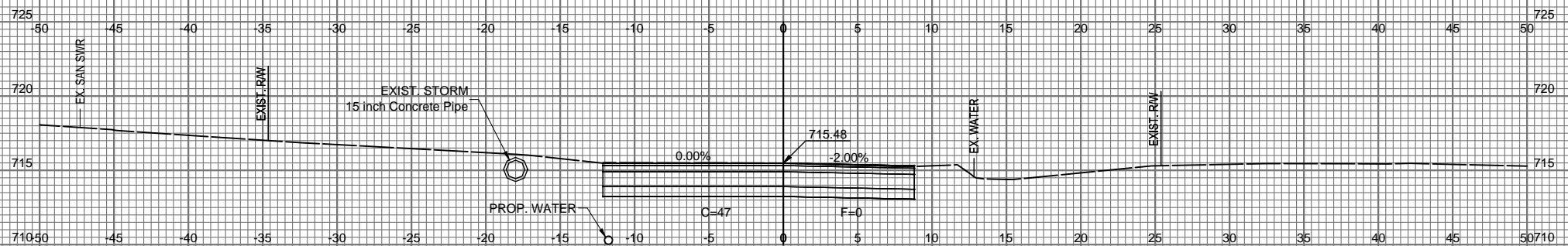
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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PROJ. MGR.													
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HORIZONTAL: 1" = 20'	<table border="1"> <tr> <td>RECOMMENDED:</td> <td></td> </tr> <tr> <td>DESIGN MANAGER</td> <td></td> </tr> </table>	RECOMMENDED:		DESIGN MANAGER									
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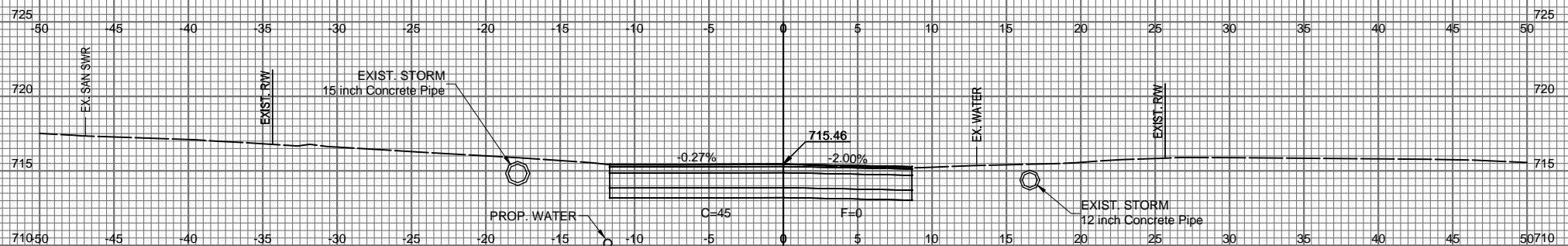
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BL-Oswego Av 73+18.99



BL-Oswego Av 73+00.00



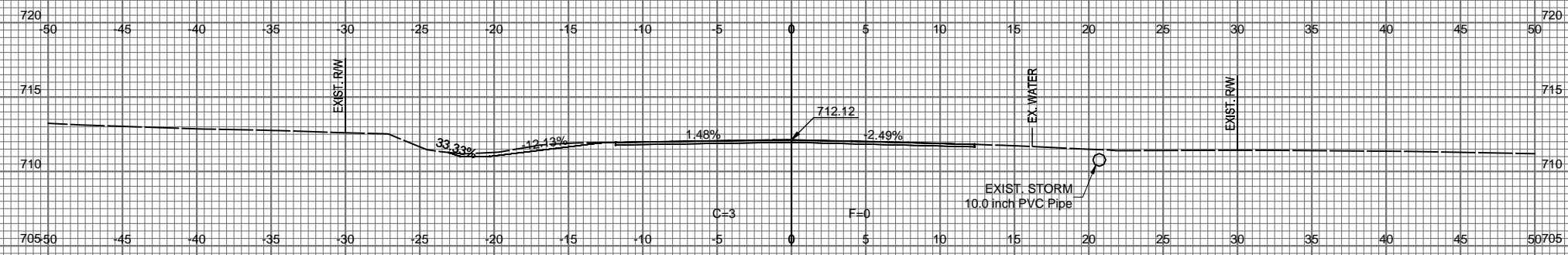
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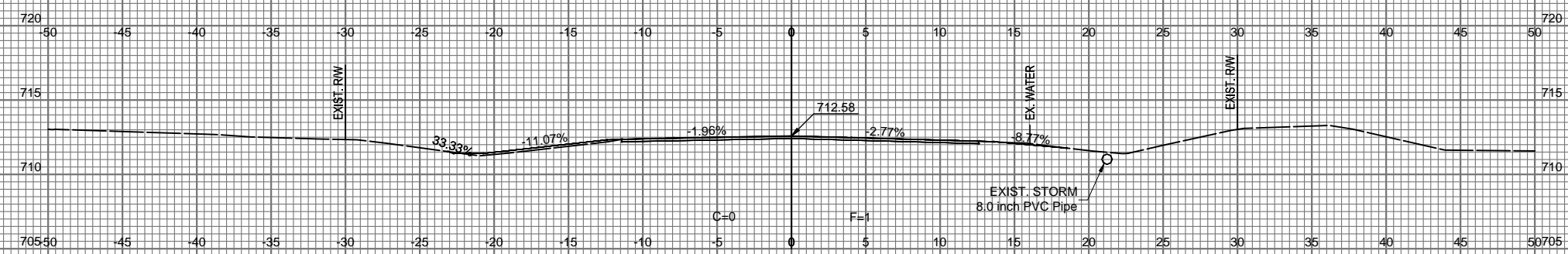
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:	
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DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
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			SHEET 205 OF 308 SHEETS

REVISION	BY	DATE

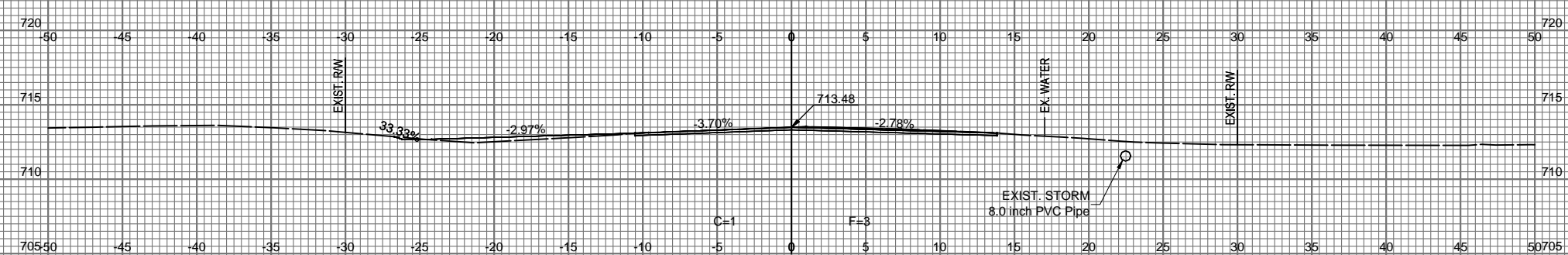
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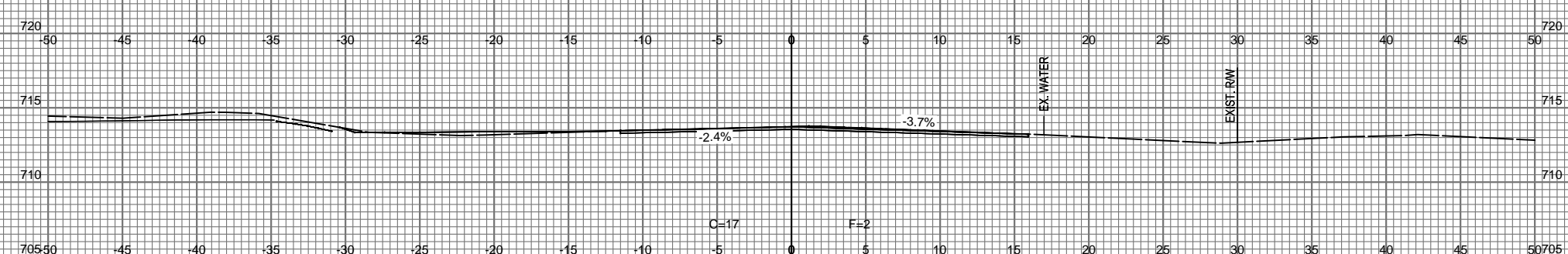
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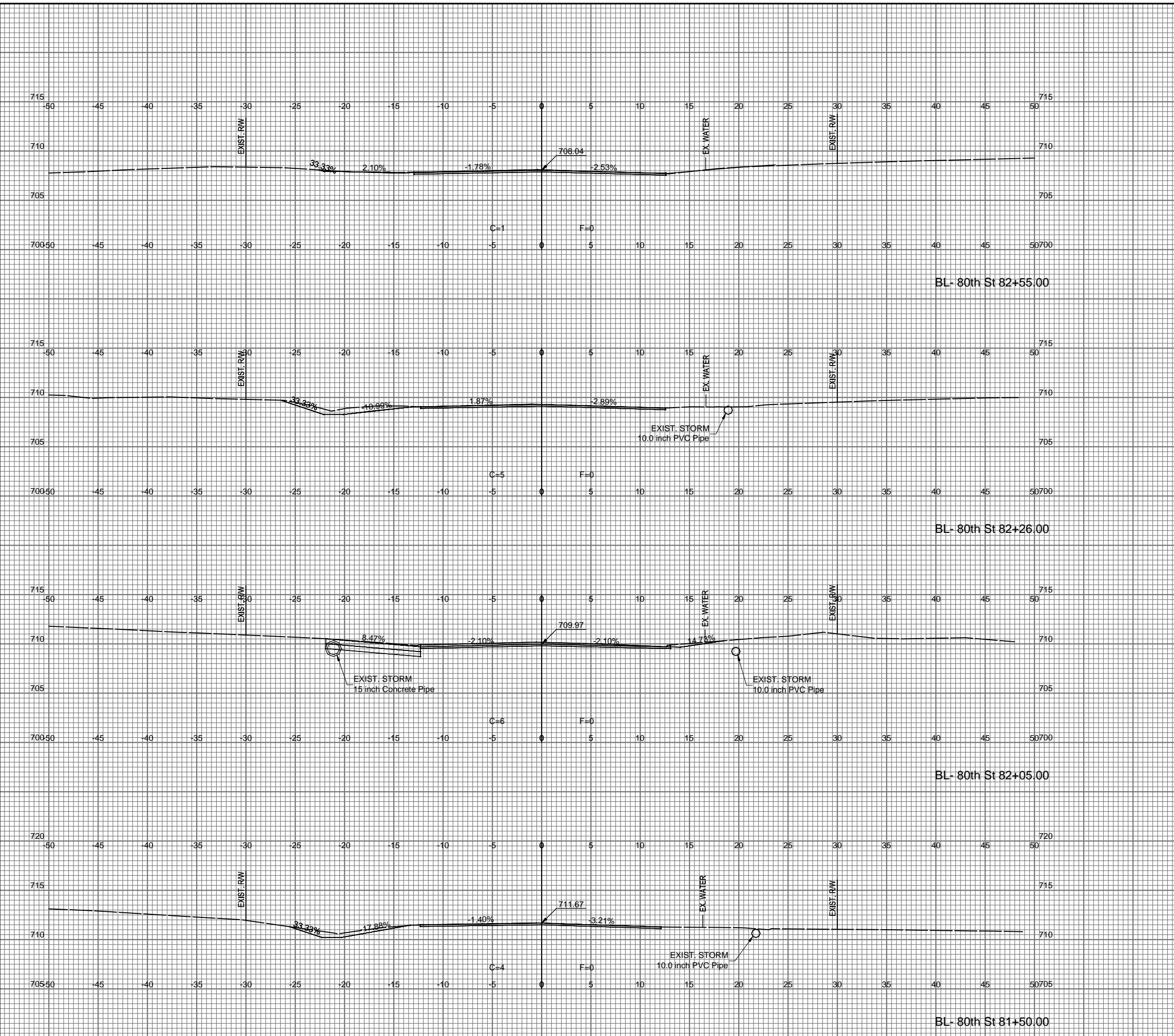
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 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:									
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ATLAS PAGE NO: 661 & 768		SHEET 206 OF 308 SHEETS									

REVISION	BY	DATE



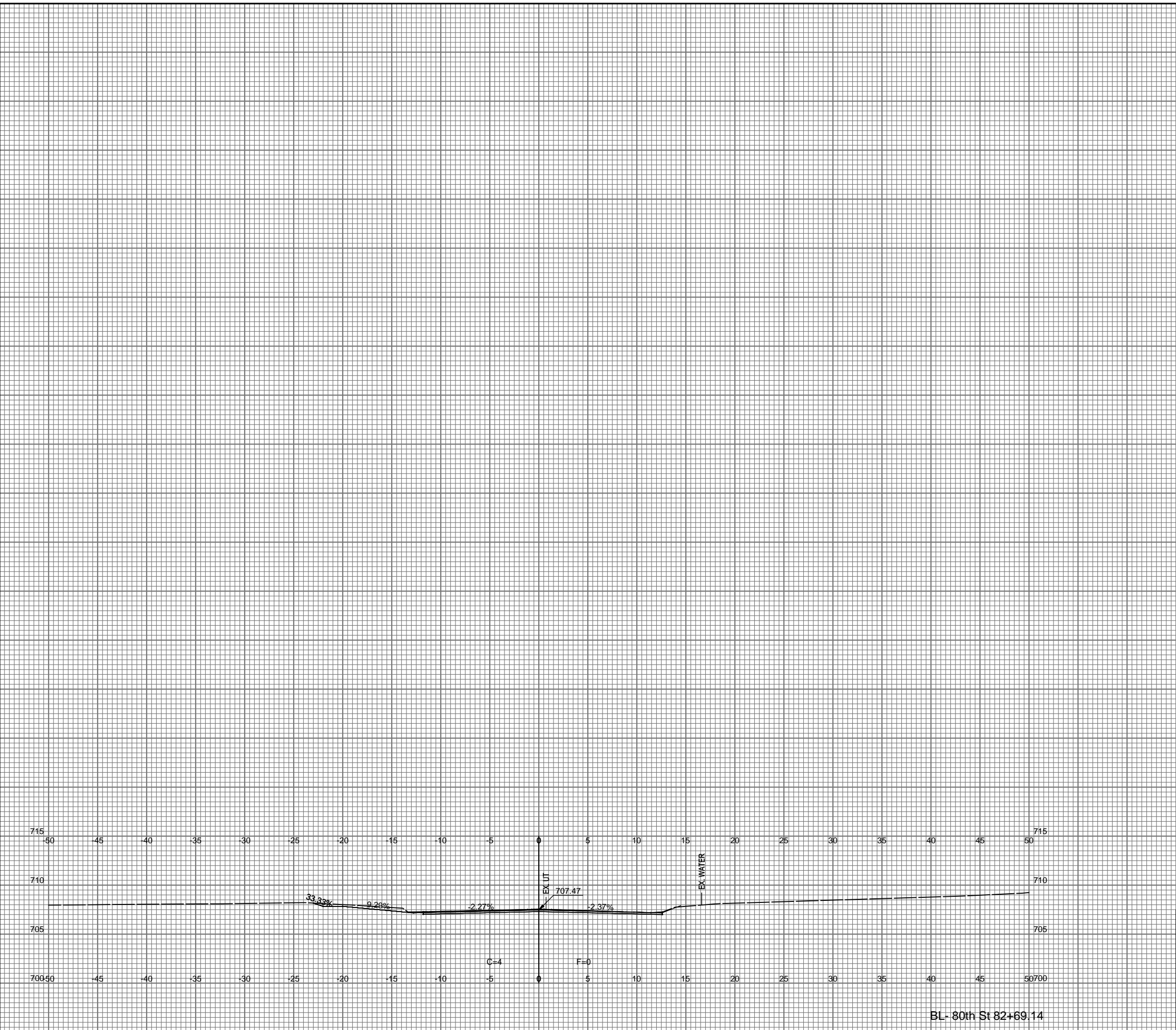
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<b>80TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
DRAWN	CP	01/2022	
DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.		
1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
1" = 5'	DESIGN MANAGER		CITY ENGINEER
FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 207 OF 308 SHEETS


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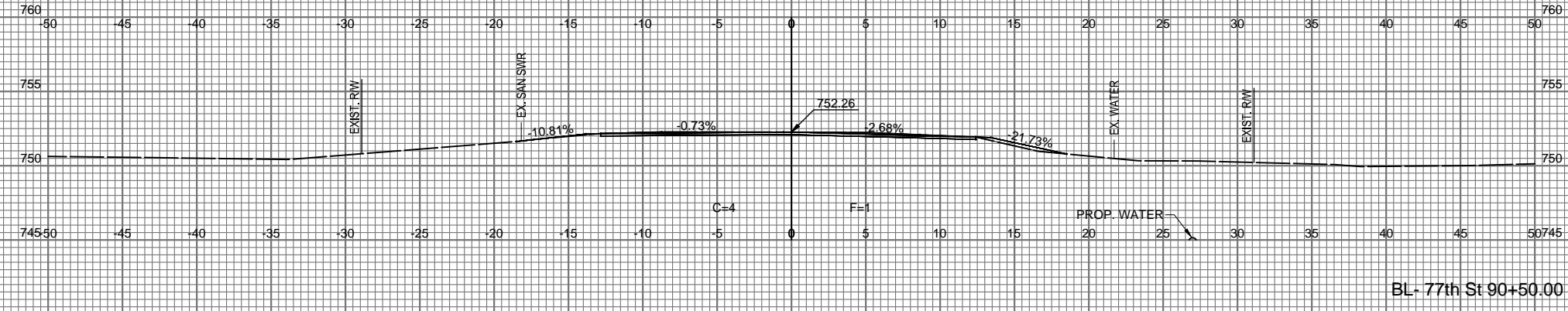
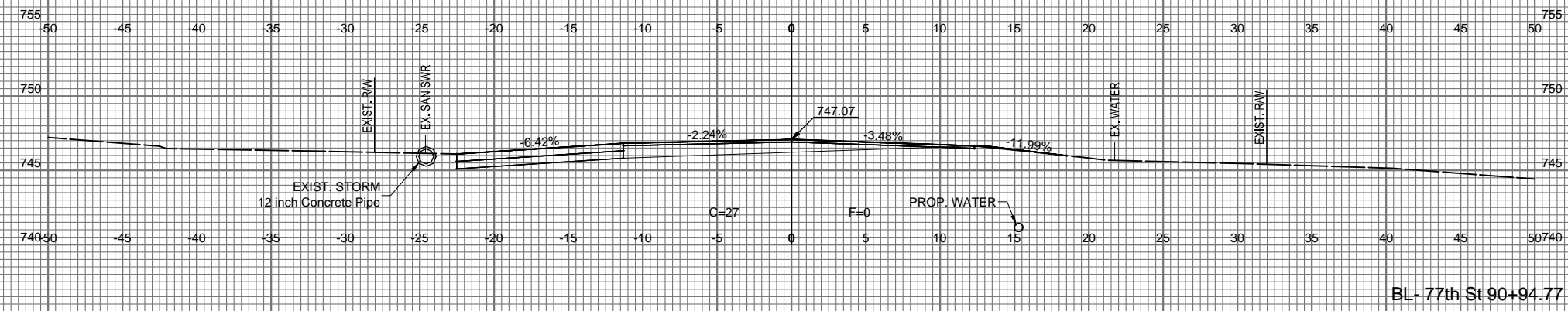
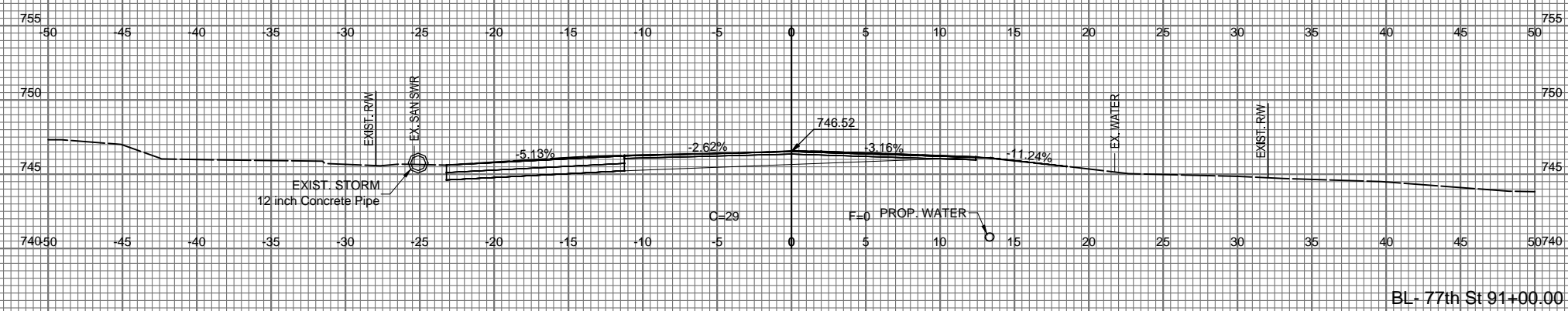
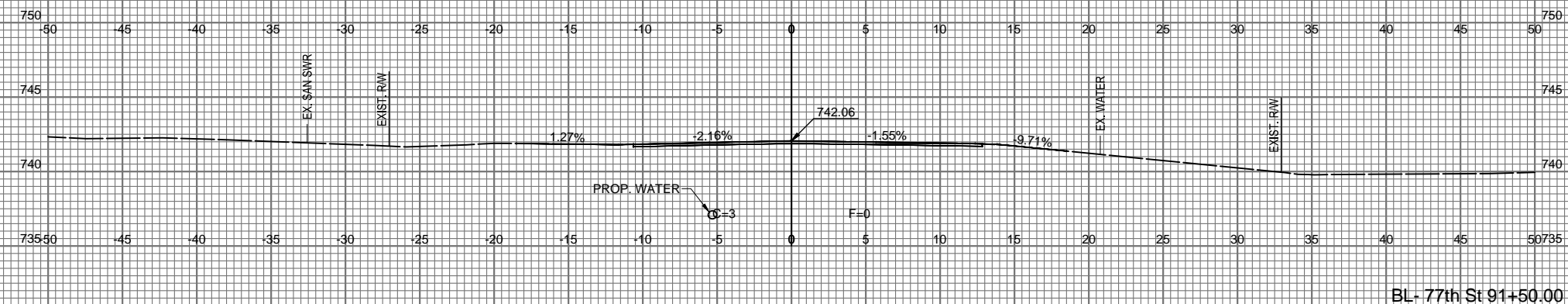
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<b>80TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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REVISION	BY	DATE

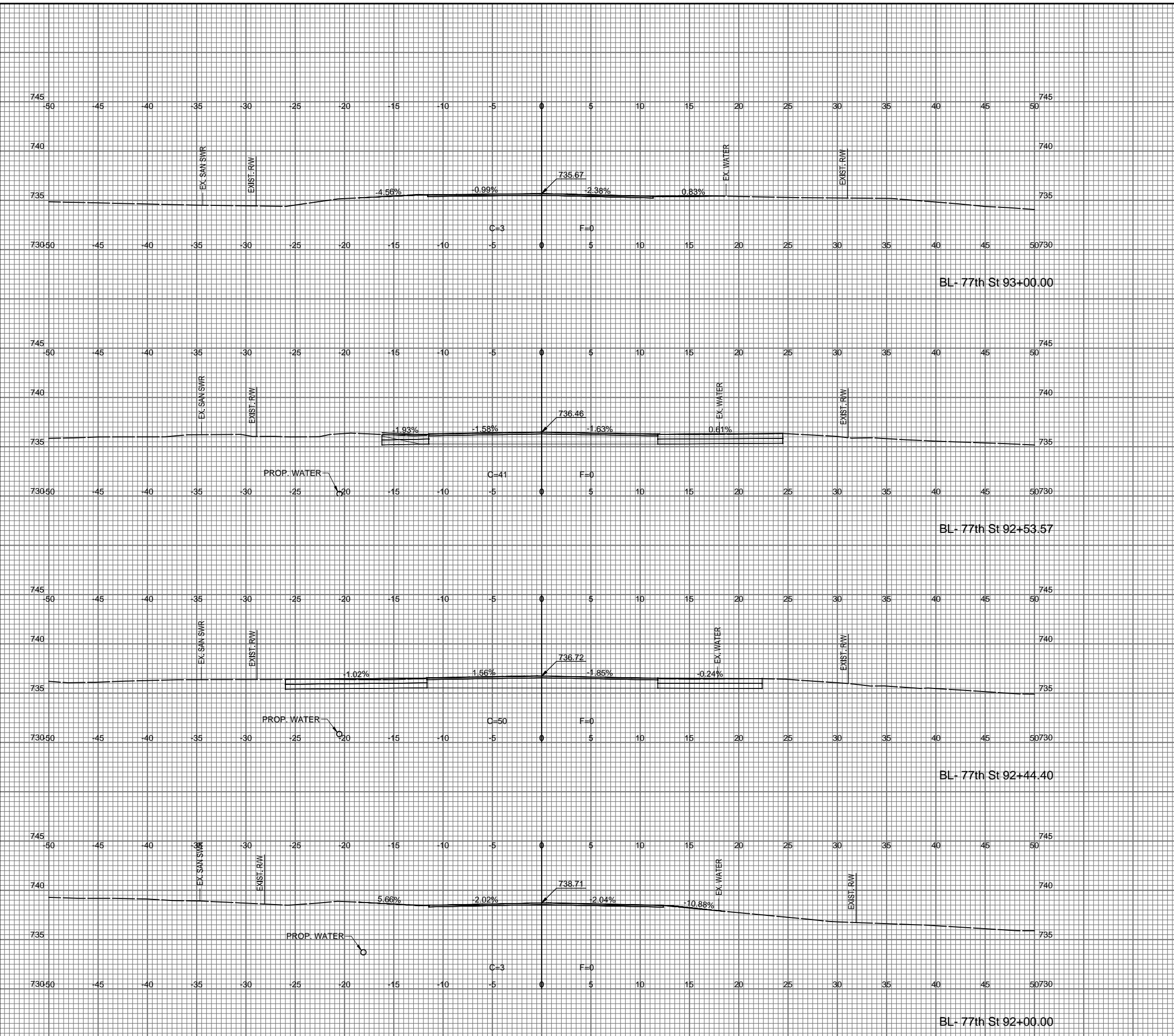
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<b>77TH STREET - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023</small>
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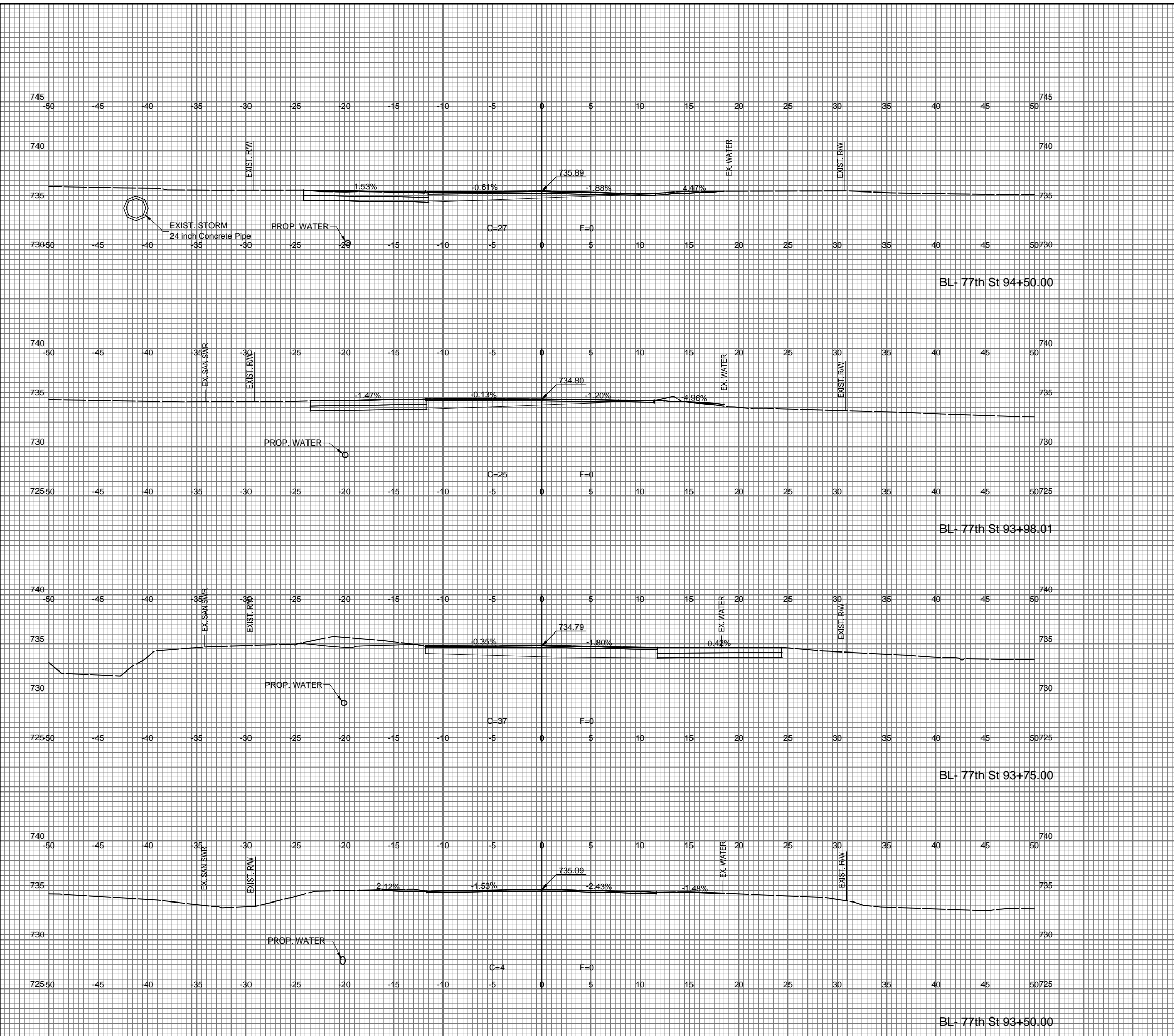
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<b>77TH STREET - CROSS SECTIONS</b>	
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
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BL- 77th St 94+50.00

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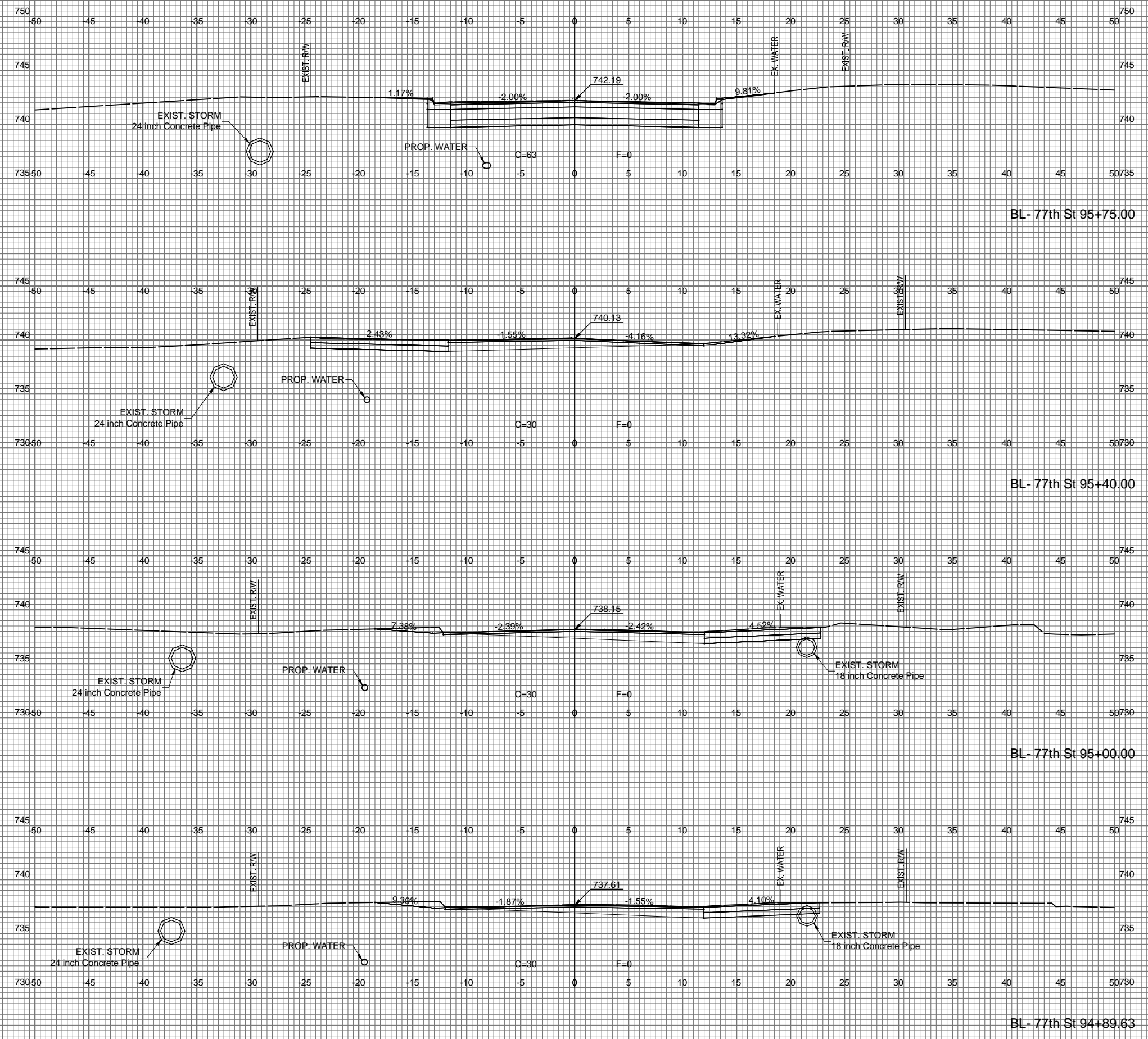
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<b>77TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
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REVISION	BY	DATE

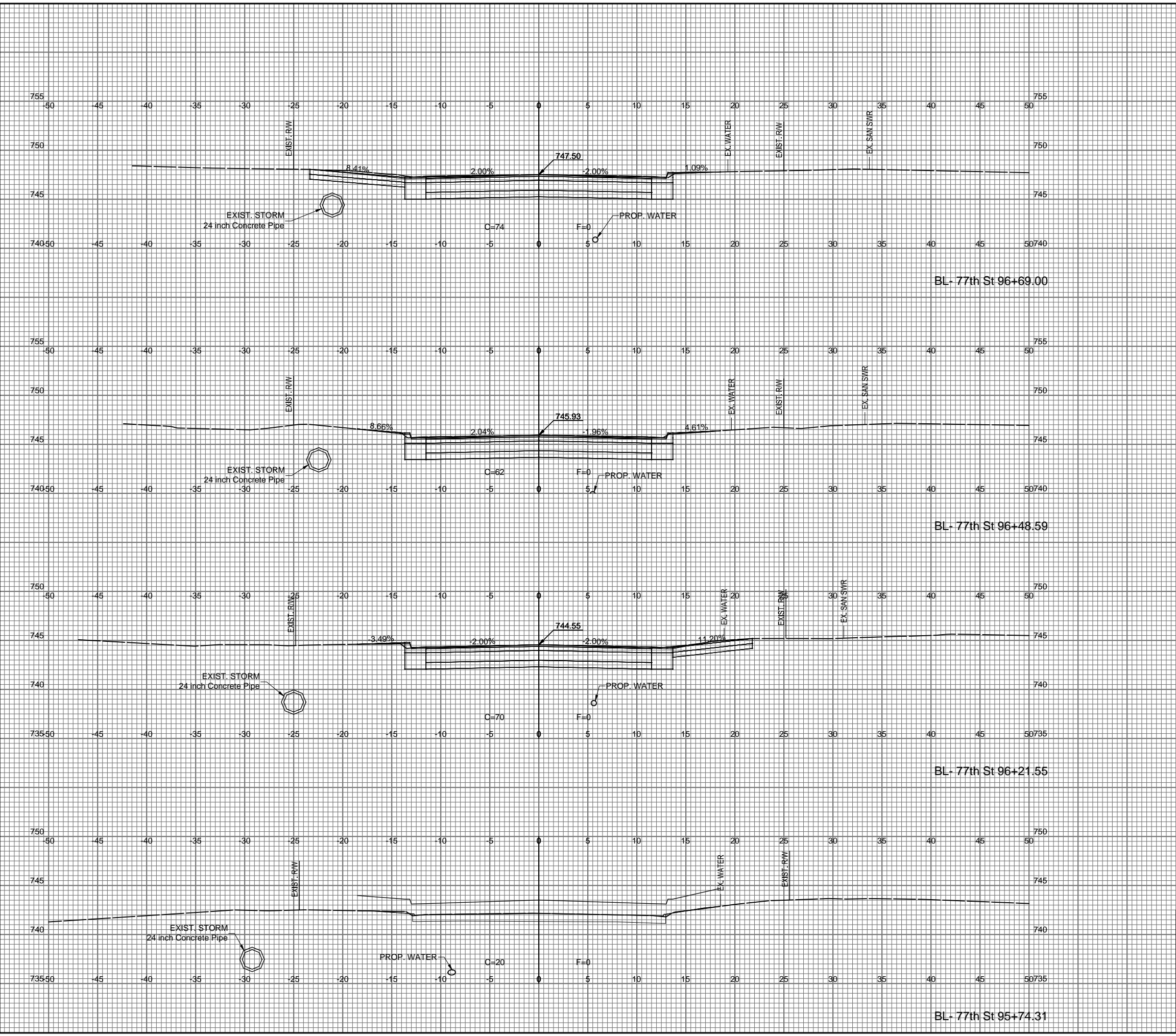
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<b>77TH STREET - CROSS SECTIONS</b>			
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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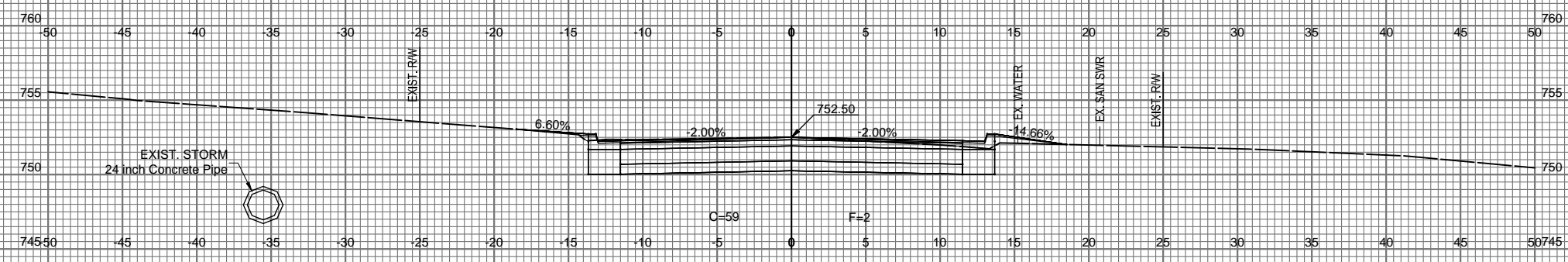
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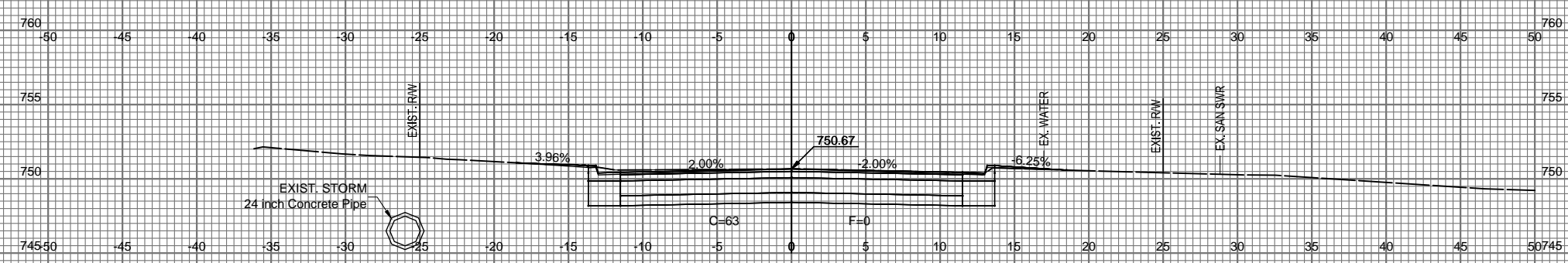
<b>77TH STREET - CROSS SECTIONS</b>													
PROJECT NUMBERS: 144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
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ATLAS PAGE NO: 661 & 768	SHEET 213 OF 308 SHEETS												

REVISION	BY	DATE

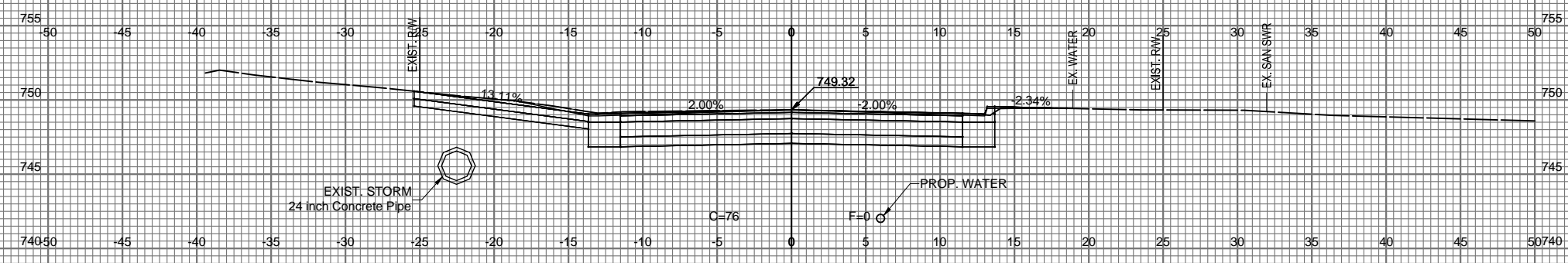
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BL- 77th St 97+40.00



BL- 77th St 97+11.80



BL- 77th St 96+93.19

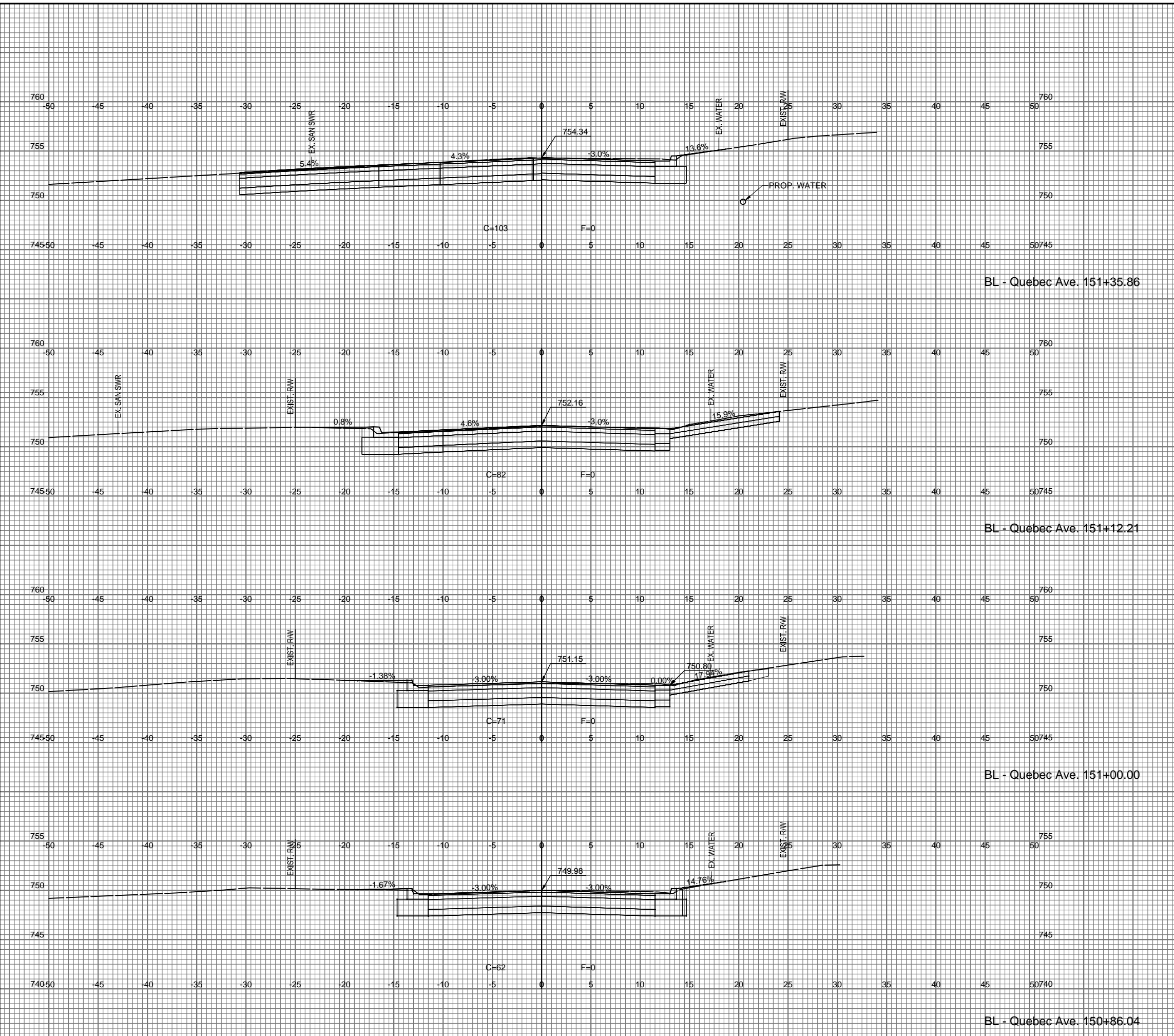


<b>77TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
PLAN SCALE:	DRAWN: CP 01/2022	APPROVED:	
	DESIGNED: RJP 01/2022		
	SURVEY: JRL 06/2018		
PROFILE SCALE:	PROJ. MGR.		
	LEAD ENGR.		
HORIZONTAL: 1" = 20'	FIELD MGR.		
VERTICAL: 1" = 5'	RECOMMENDED: DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768		SHEET 214 OF 308 SHEETS	

REVISION	BY	DATE



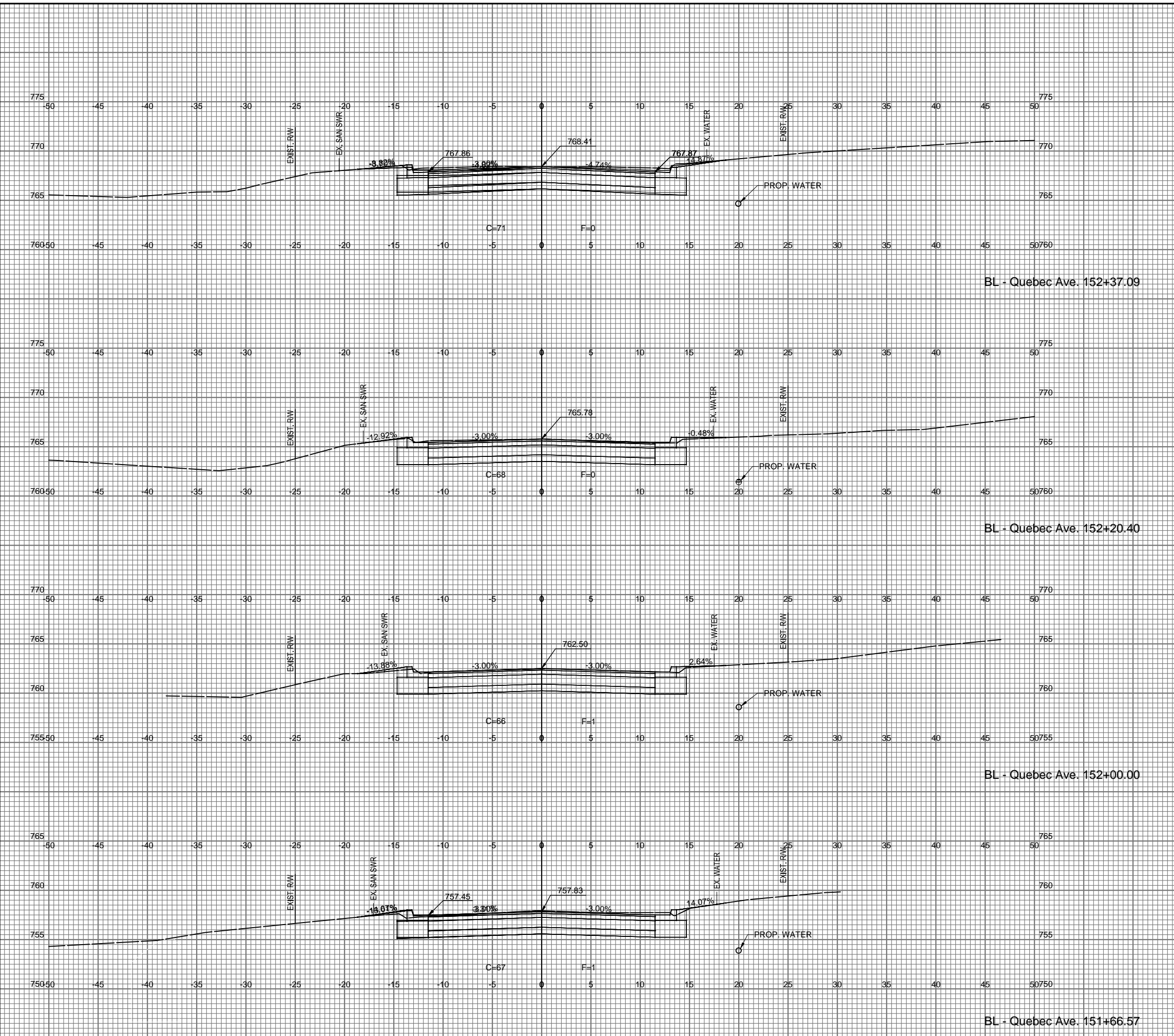
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<b>QUEBEC AVENUE - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
PLAN SCALE:	APPROVED:
DRAWN: CP 01/2022	DESIGNED: RJP 01/2022
SURVEY: JRL 06/2018	PROJ. MGR.:
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FILE:	DESIGN MANAGER:
ATLAS PAGE NO: 661 & 768	CITY ENGINEER:
	DATE:
	SHEET 215 OF 308 SHEETS

REVISION	BY	DATE

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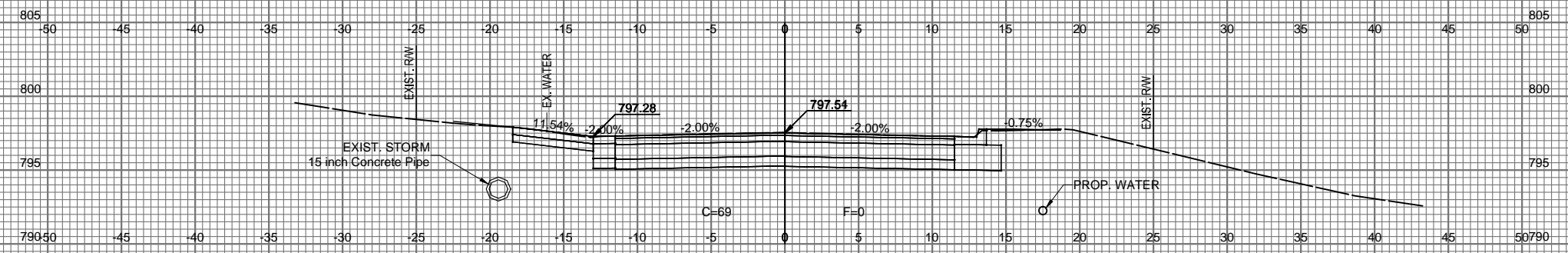
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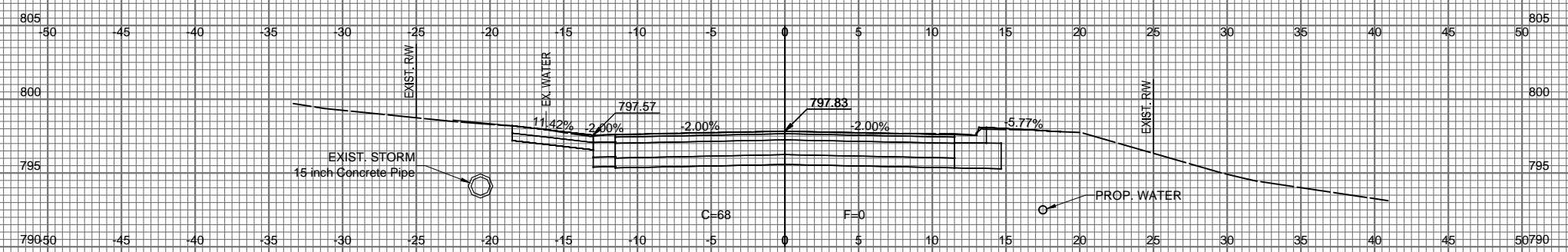
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
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ATLAS PAGE NO: 661 & 768			SHEET 216 OF 308 SHEETS

REVISION	BY	DATE

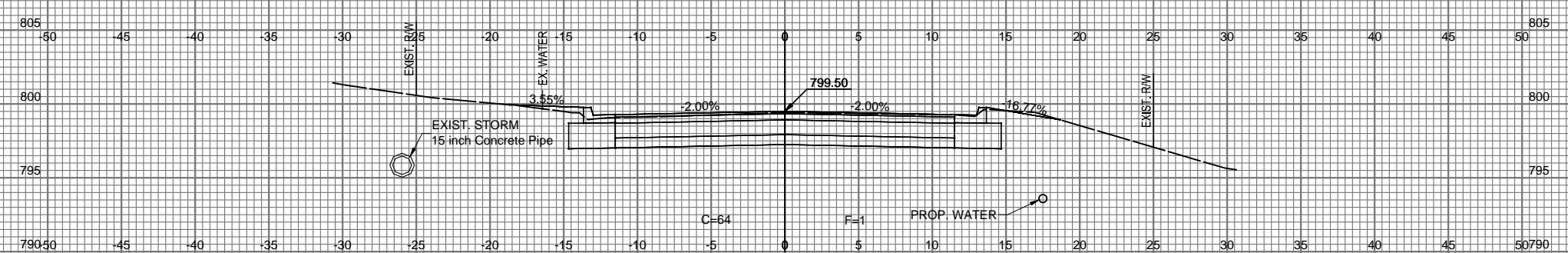
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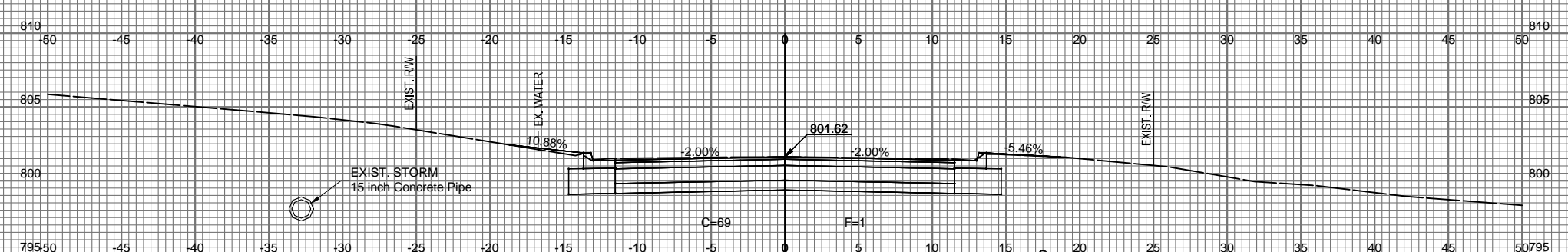
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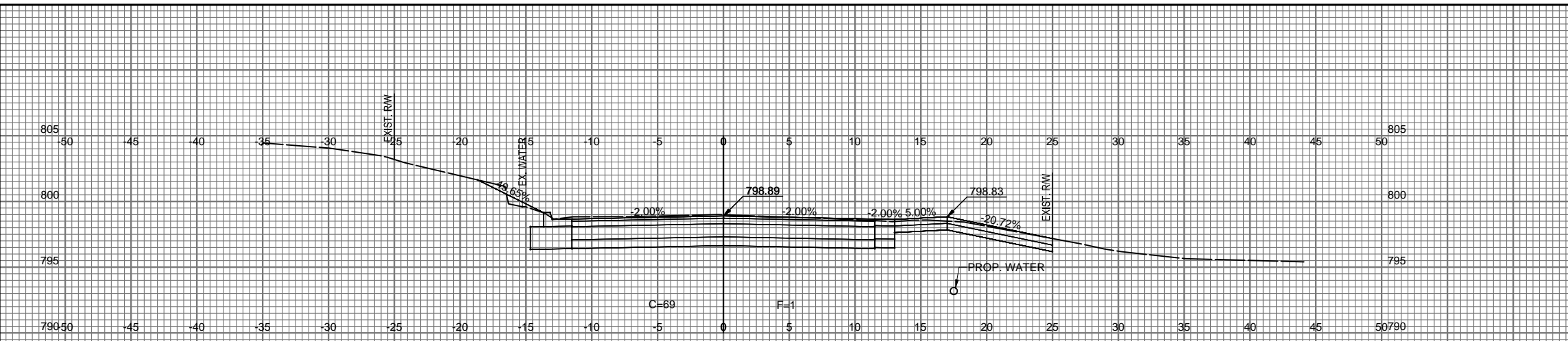


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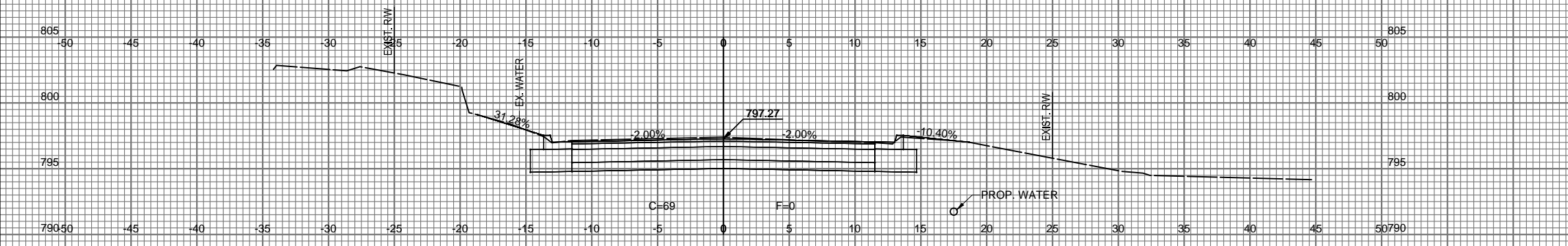
  

<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:	
DRAWN	CP	01/2022	
DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
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HORIZONTAL:	LEAD ENGR.		
1" = 20'	FIELD MGR.		
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			CITY ENGINEER
FILE:	DRAWING:		DATE:
ATLAS PAGE NO:	661 & 768		SHEET 217 OF 308 SHEETS

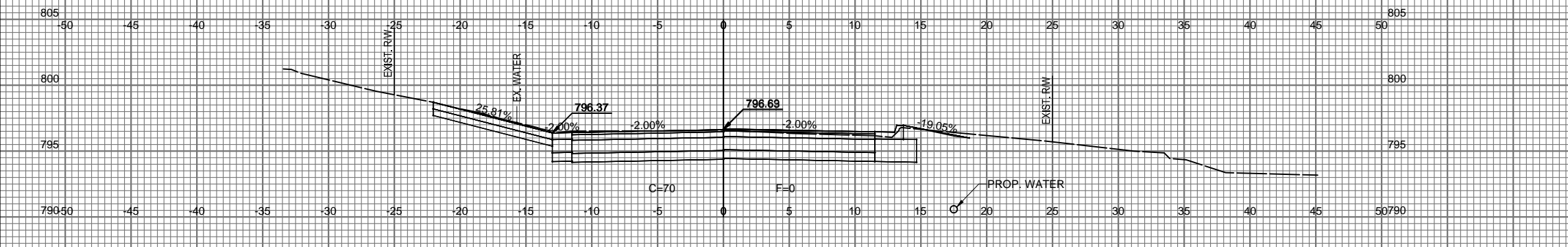
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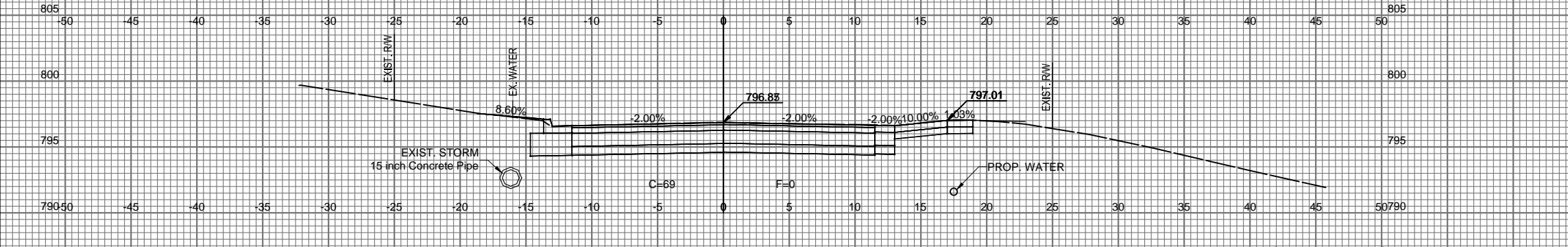
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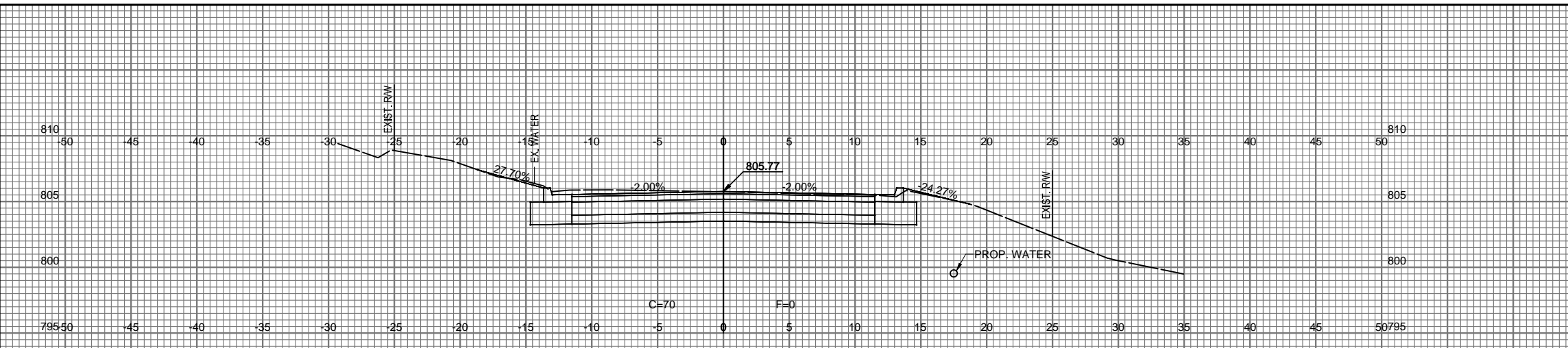
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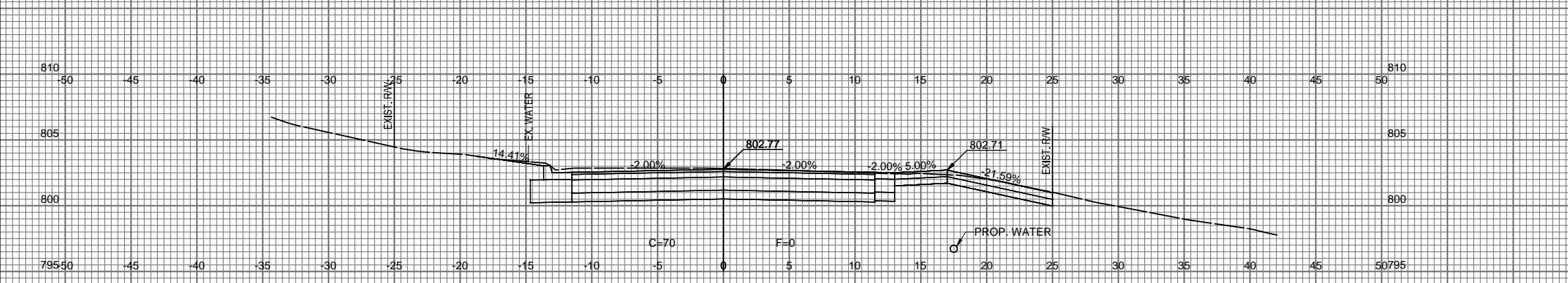
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PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023</small>
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RECOMMENDED:	DESIGN MANAGER:
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ATLAS PAGE NO: 661 & 768	DATE:
	CITY ENGINEER:
	SHEET 218 OF 308 SHEETS

REVISION	BY	DATE

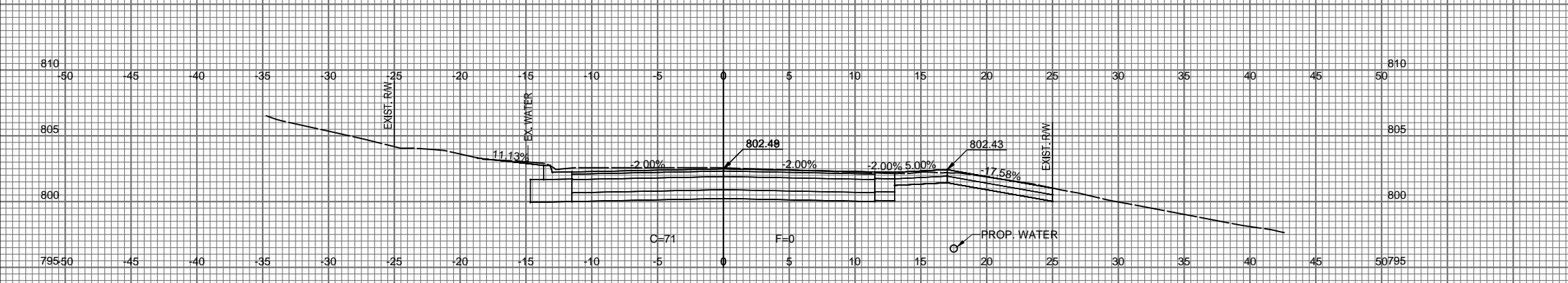
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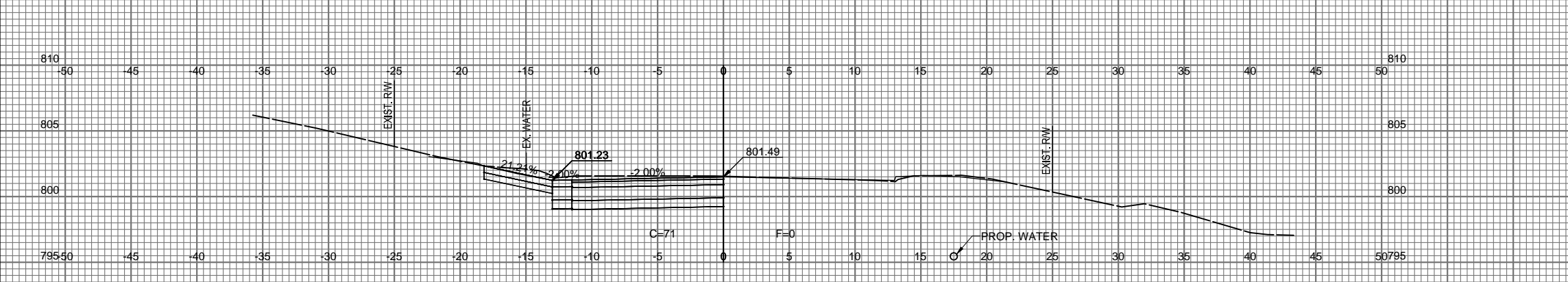
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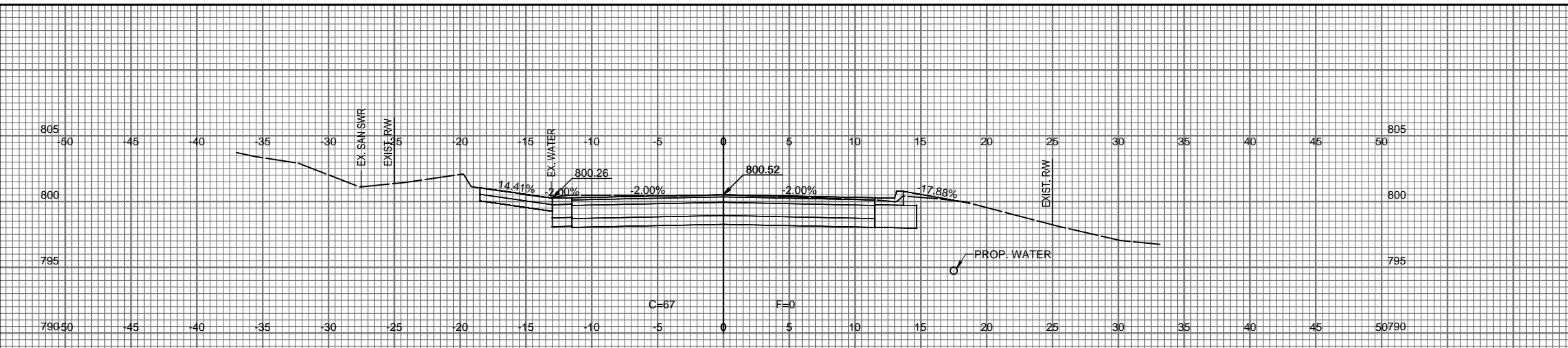
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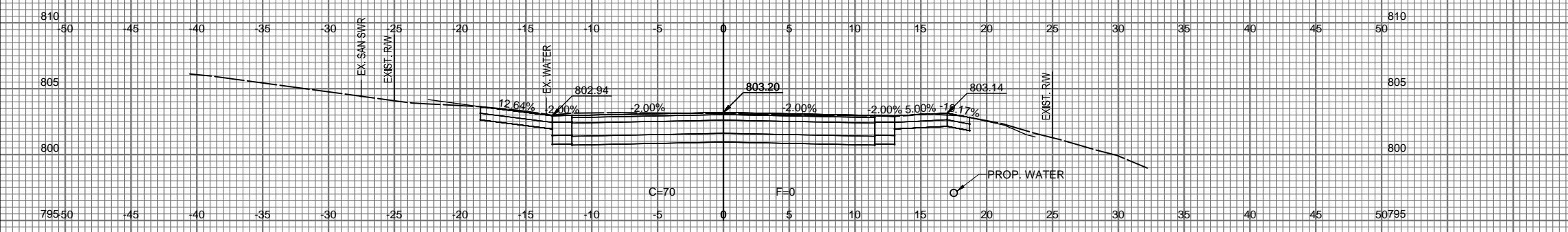
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768	SHEET 219 OF 308 SHEETS		

REVISION	BY	DATE

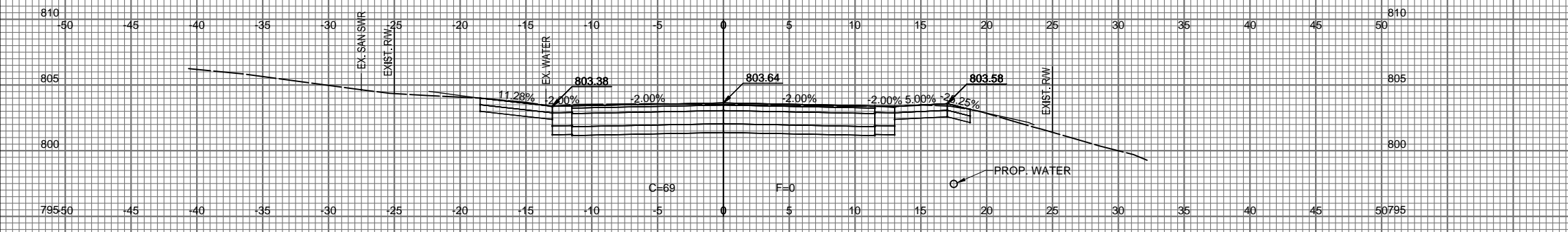
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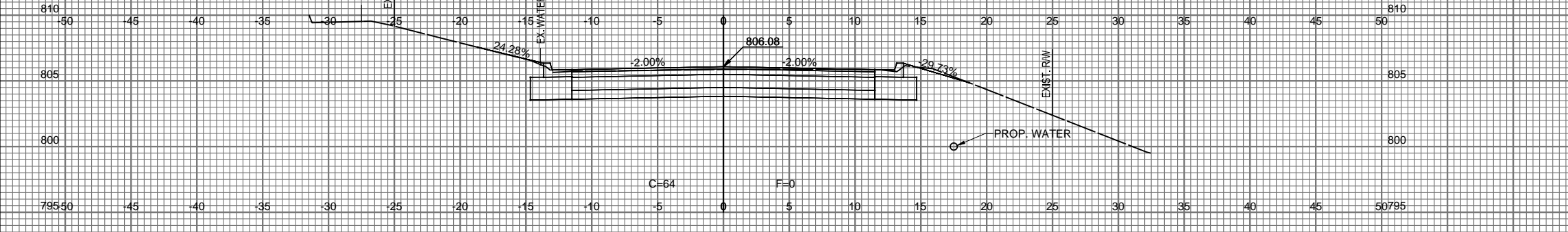
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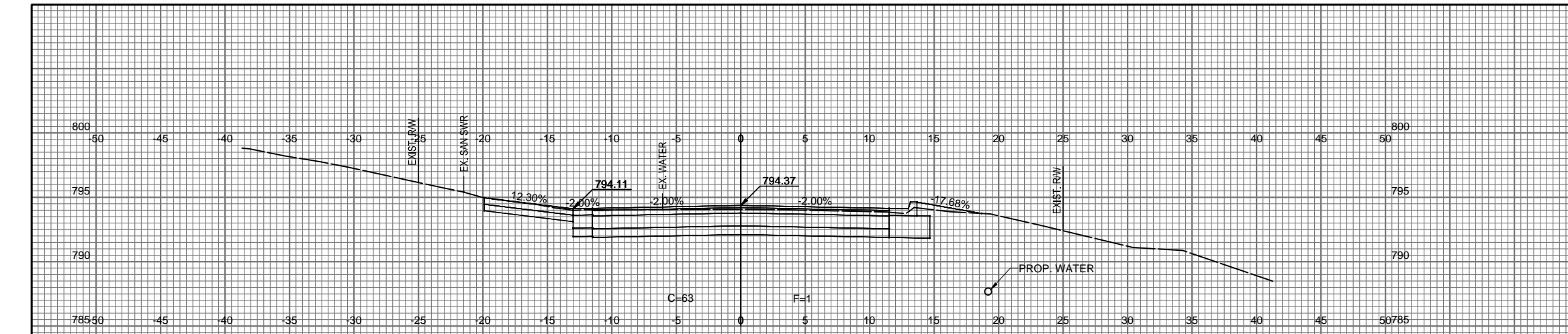
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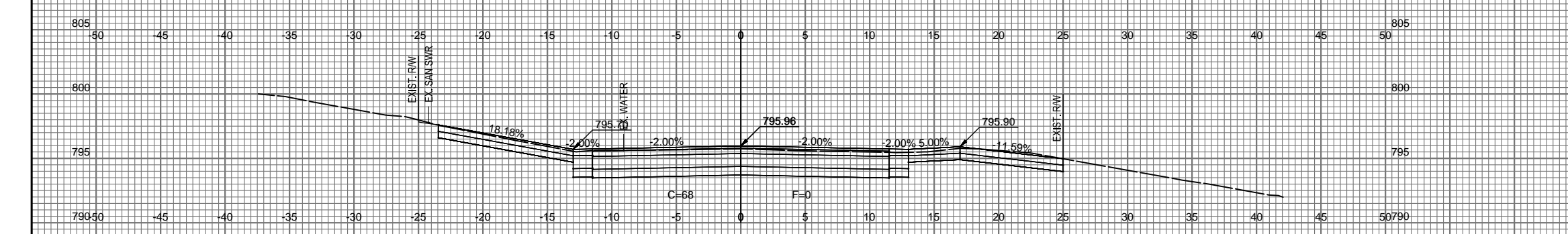
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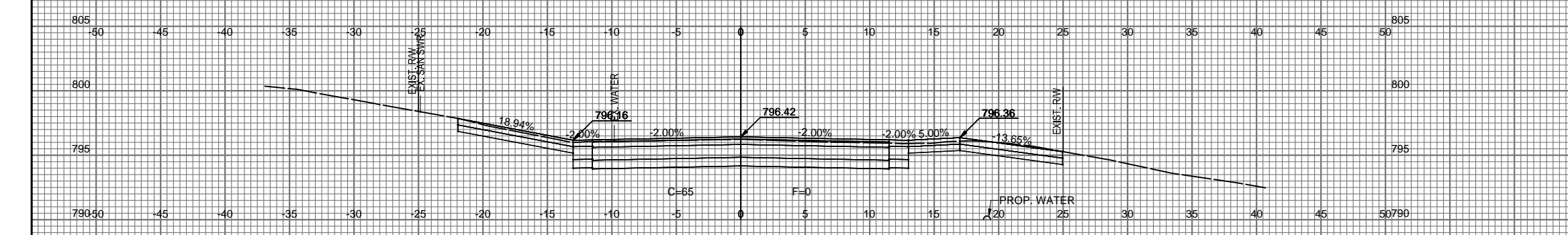
<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
REVISION	BY	DATE	APPROVED:
PROFILE SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
HORIZONTAL:	PROJ. MGR.		
1" = 20'	LEAD ENGR.		
	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
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ATLAS PAGE NO: 661 & 768		DATE:	
			SHEET 220 OF 308 SHEETS



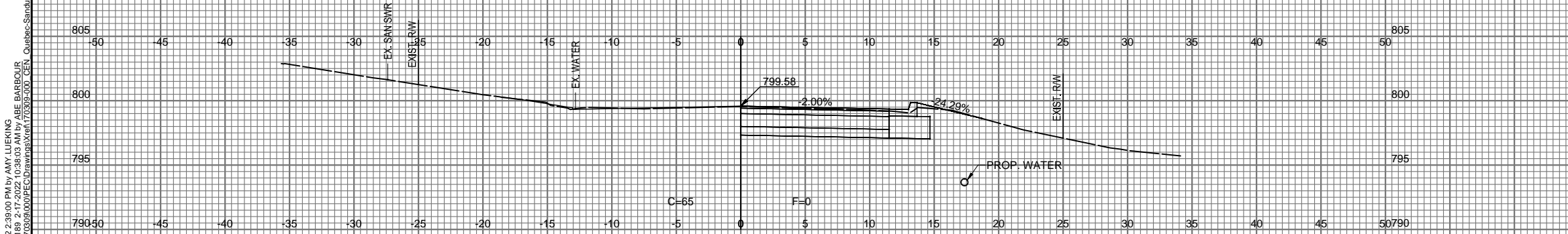
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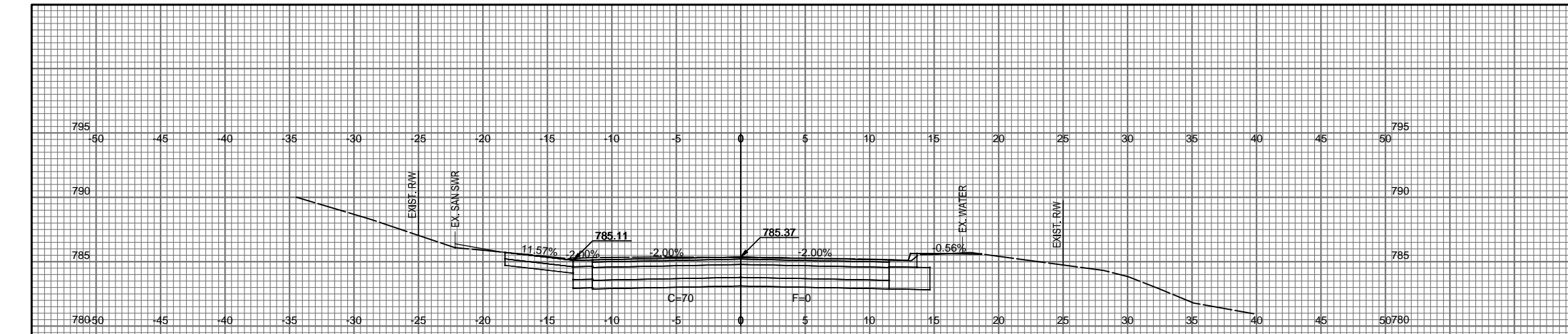


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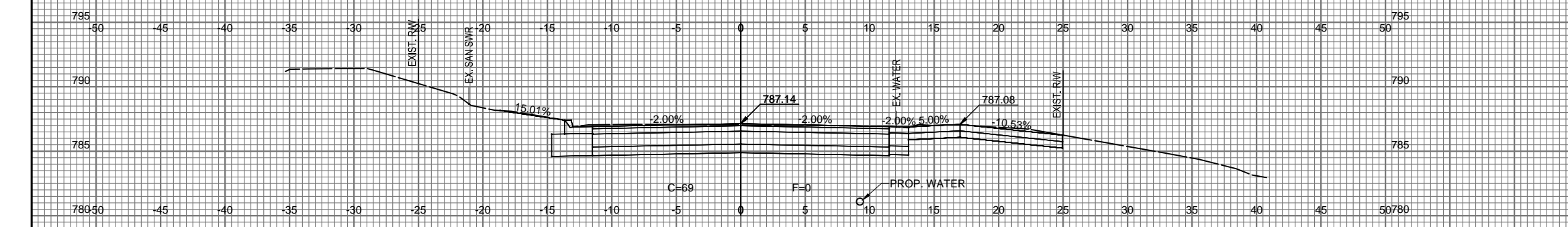


QUEBEC AVENUE - CROSS SECTIONS			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN	CP	01/2022
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	SURVEY	JRL	06/2018
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1" = 20'	FIELD MGR.		
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ATLAS PAGE NO:	661 & 768		SHEET 221 OF 308 SHEETS

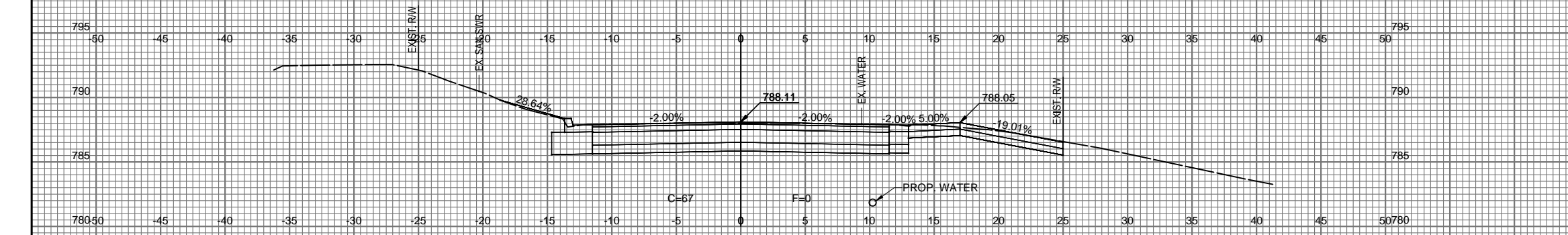
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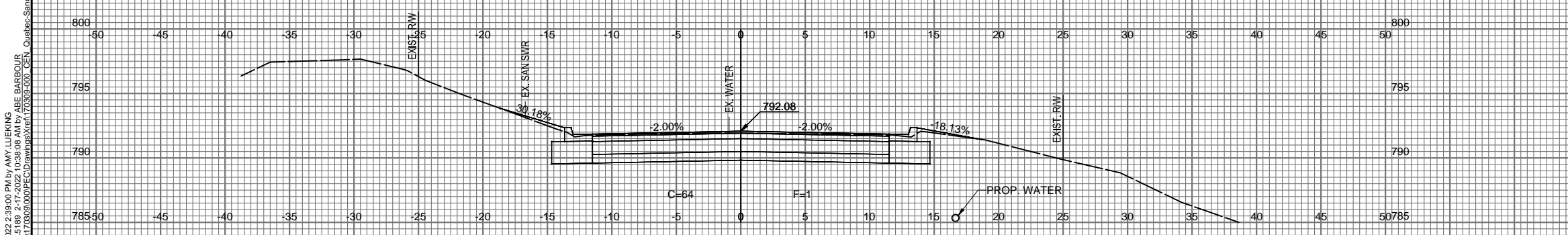
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**QUEBEC AVENUE - CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

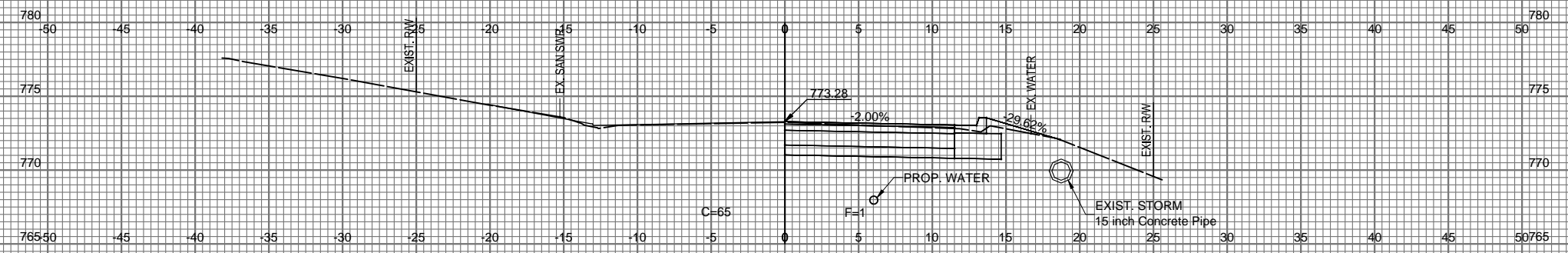
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023
PLAN SCALE:	DRAWN: CP 01/2022	APPROVED:
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FILE:	DRAWING:	DATE:
ATLAS PAGE NO: 661 & 768		SHEET 222 OF 308 SHEETS

REVISION	BY	DATE

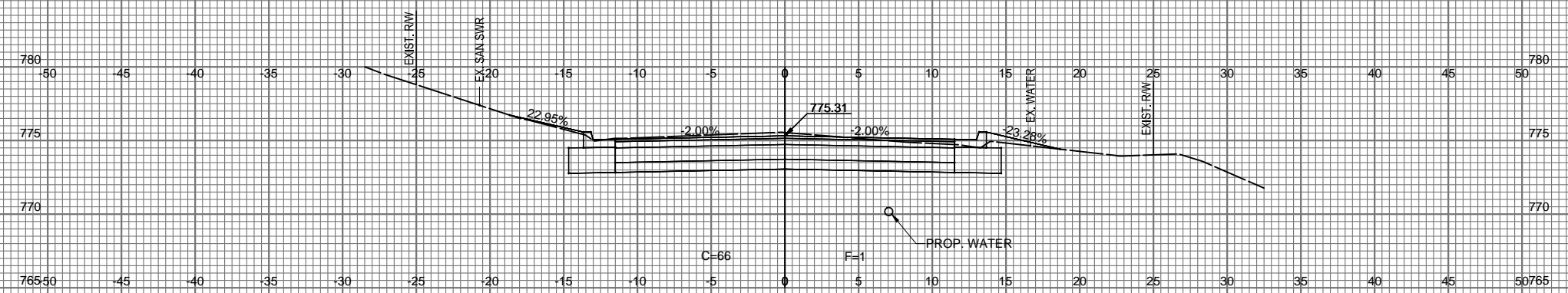
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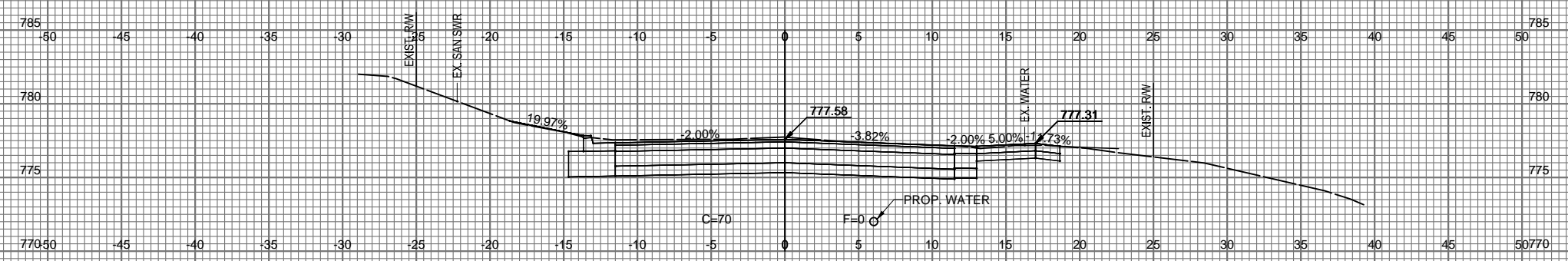
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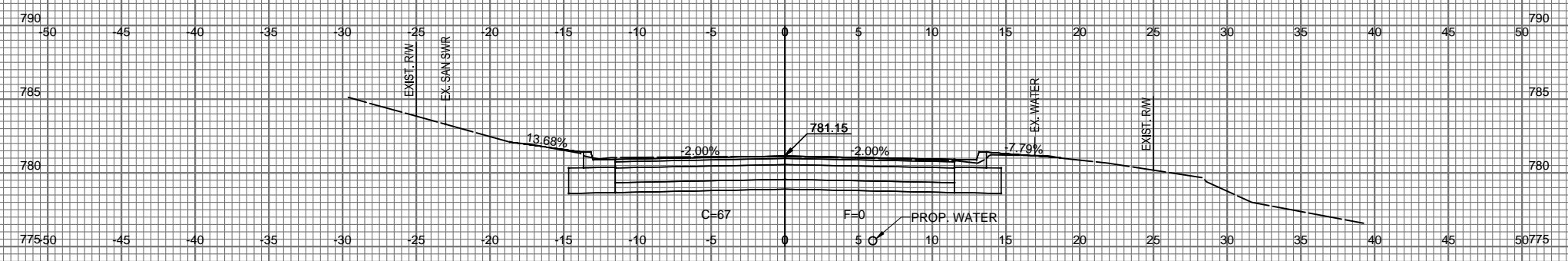
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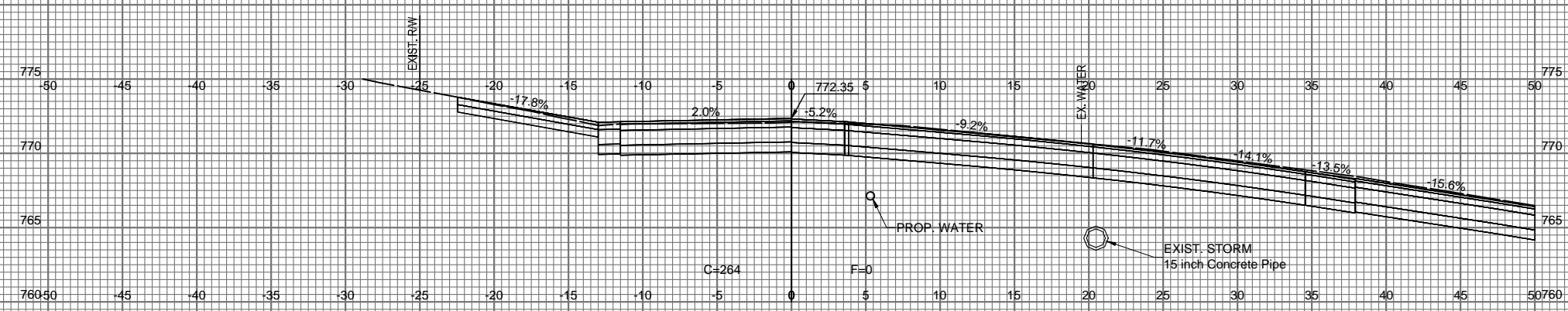


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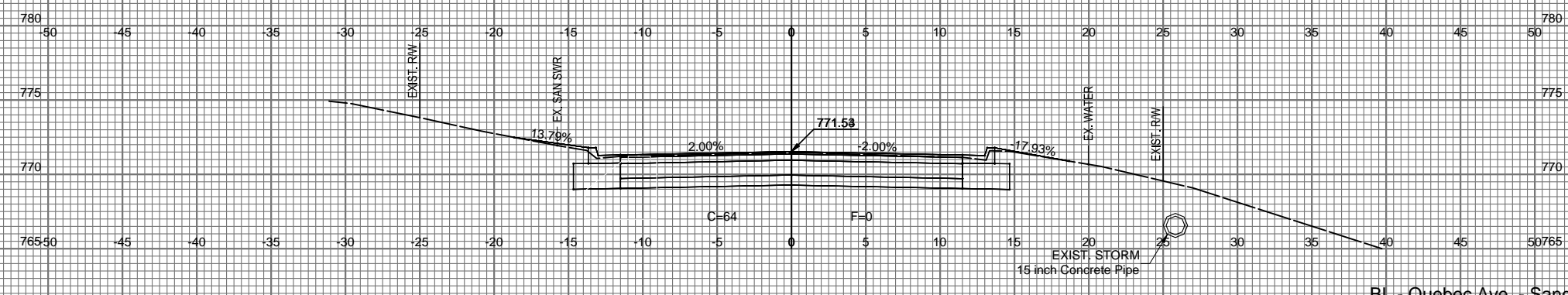
  

<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
PROFILE SCALE:	PROJ. MGR.		
HORIZONTAL:	LEAD ENGR.		
1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
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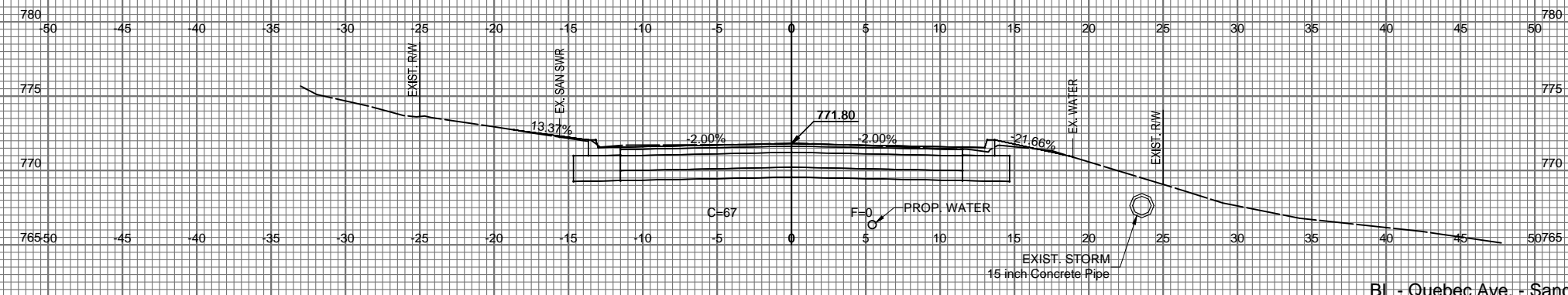
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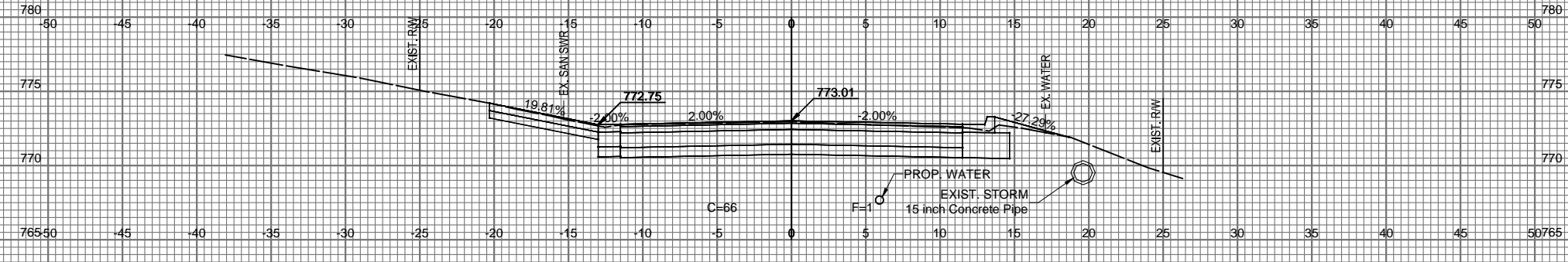
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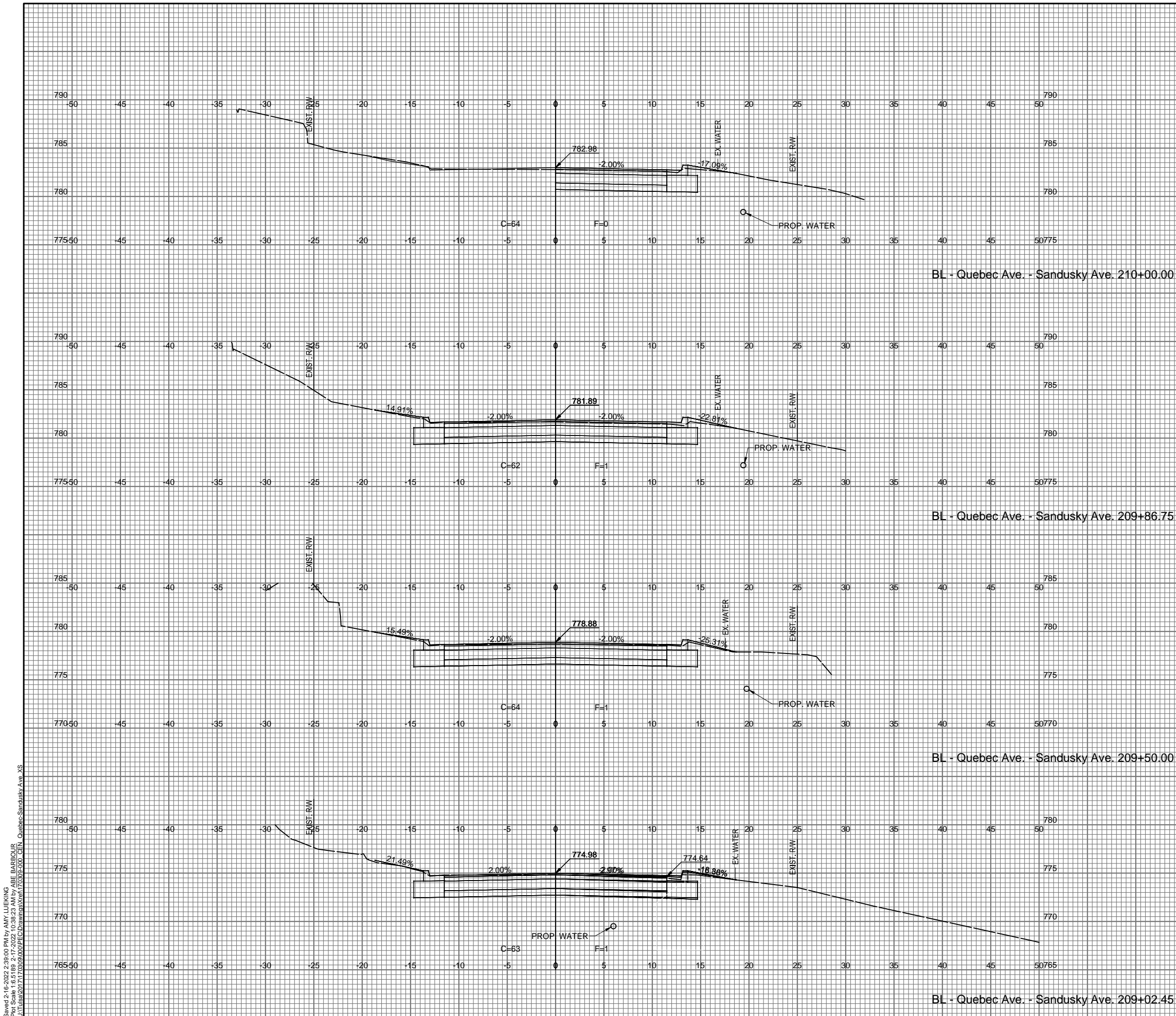


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QUEBEC AVENUE - CROSS SECTIONS			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
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1" = 5'	DESIGN MANAGER		
FILE:	DRAWING:		CITY ENGINEER
ATLAS PAGE NO: 661 & 768		DATE:	
			SHEET 224 OF 308 SHEETS

REVISION	BY	DATE



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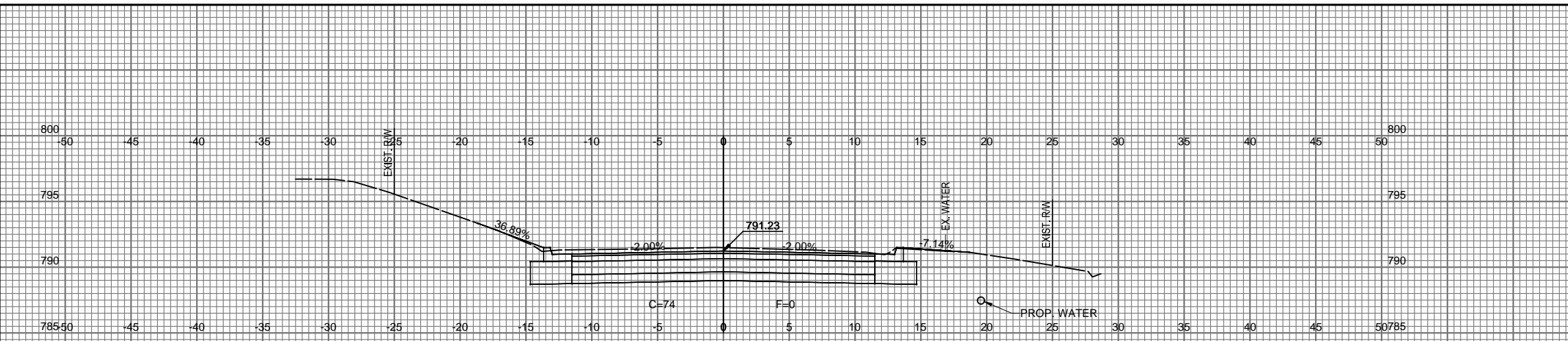
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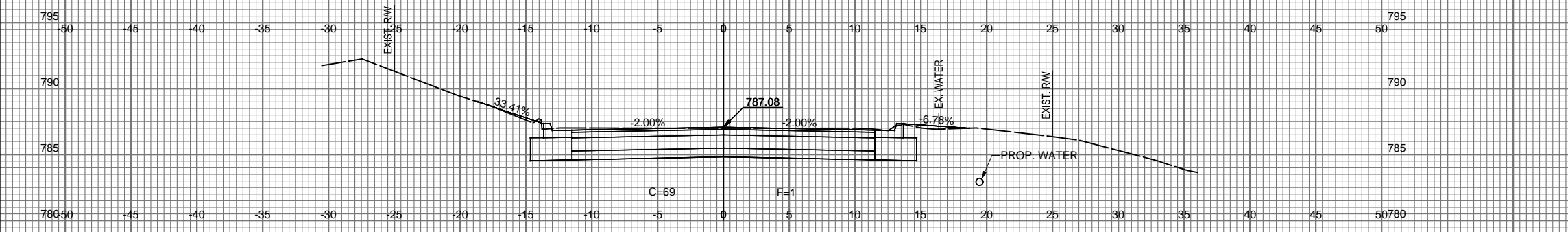
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PROJECT NUMBERS: 144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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LEAD ENGR.													
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DESIGN MANAGER													
HORIZONTAL: 1" = 20'													
VERTICAL: 1" = 5'													
FILE:	DRAWING: DATE:												
ATLAS PAGE NO: 661 & 768	SHEET 225 OF 308 SHEETS												

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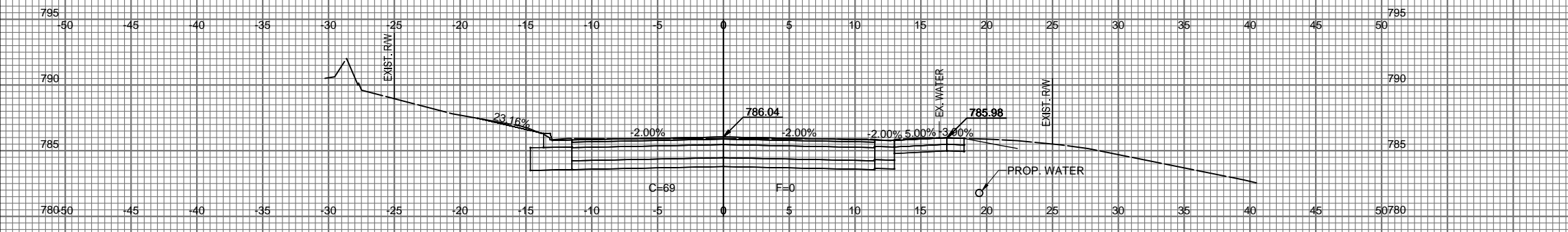
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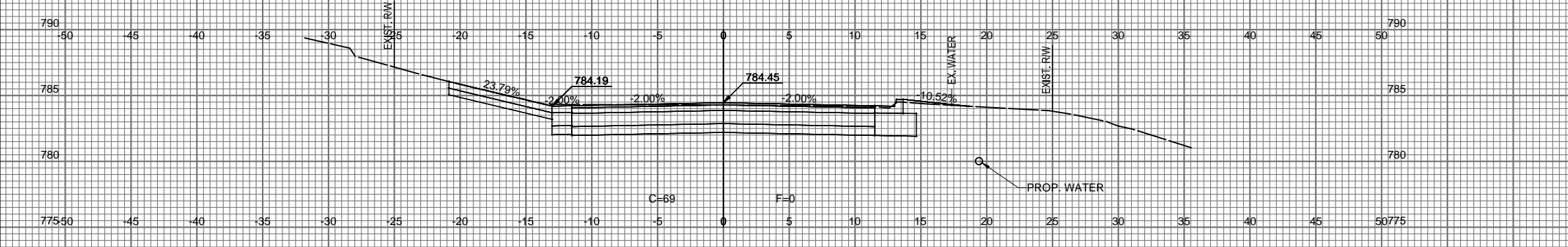
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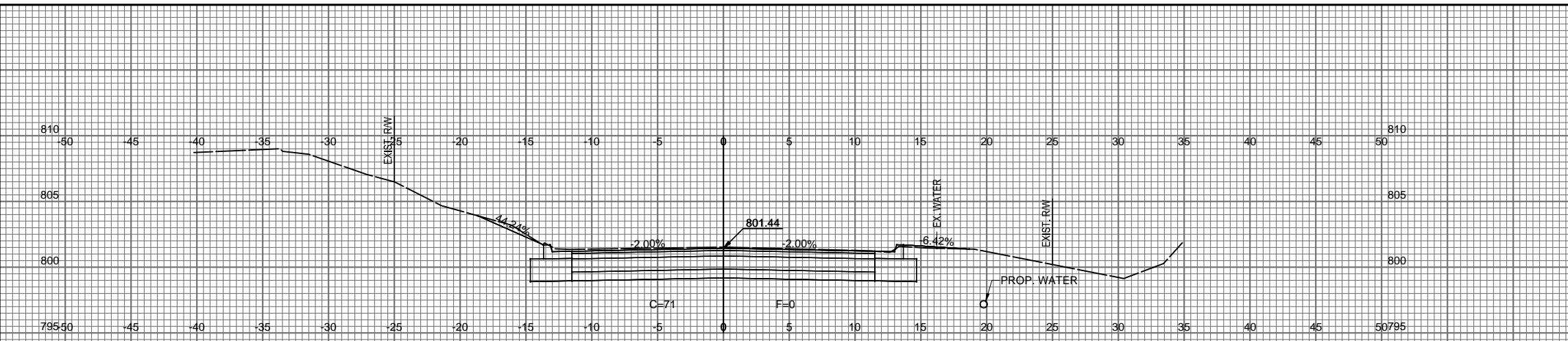
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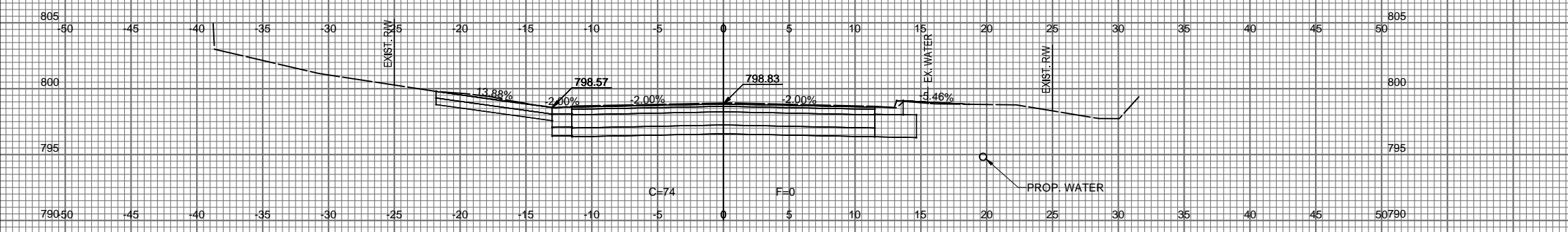
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
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REVISION	BY	DATE

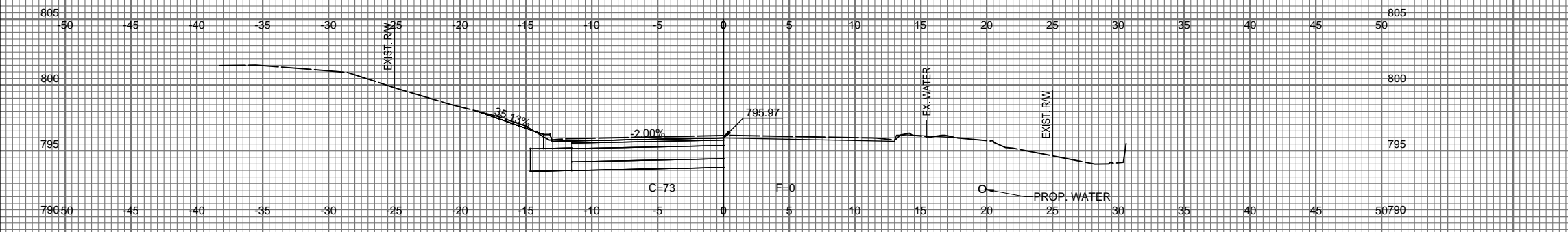
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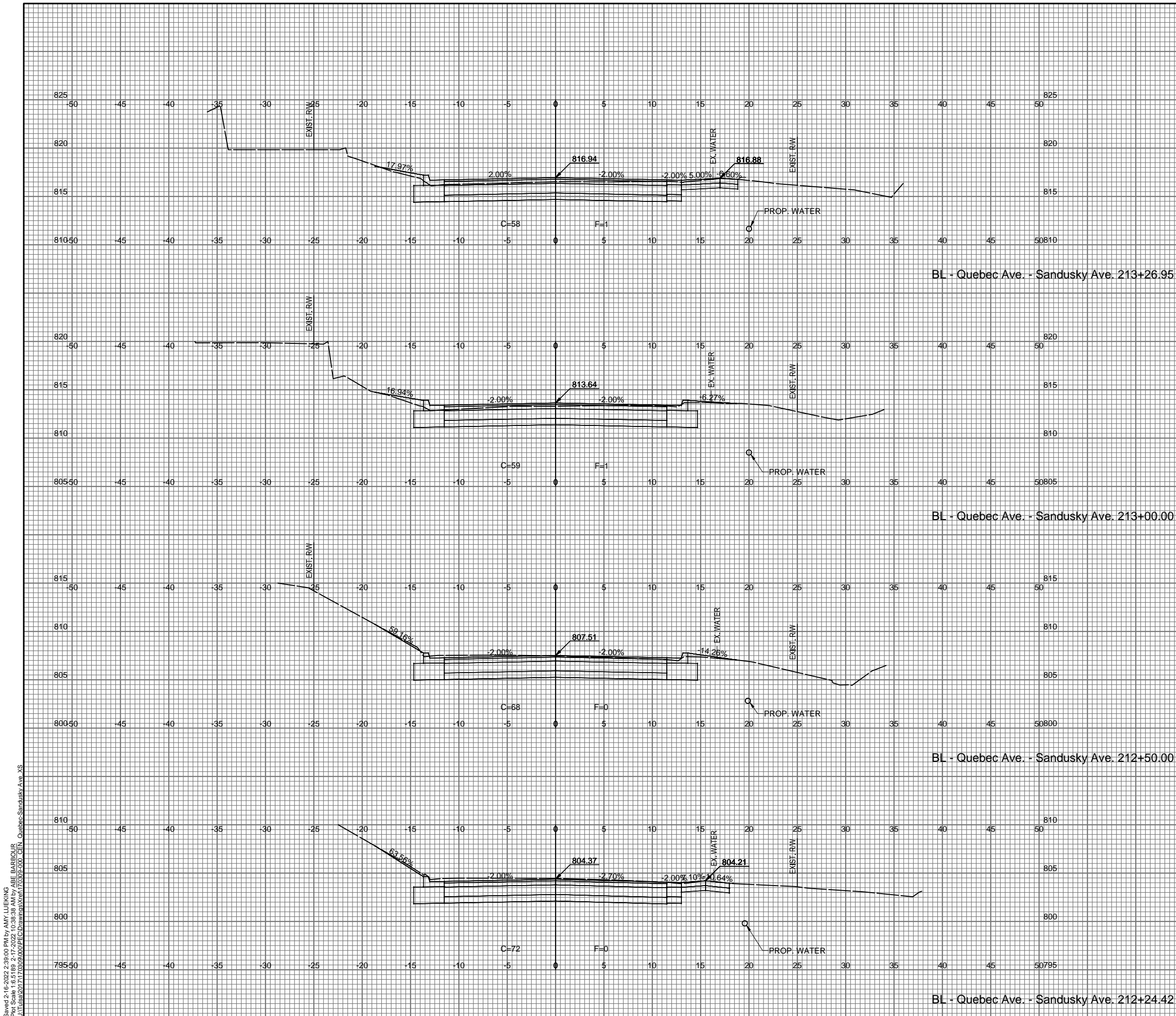


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<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768			SHEET 227 OF 308 SHEETS

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BL - Quebec Ave. - Sandusky Ave. 213+26.95

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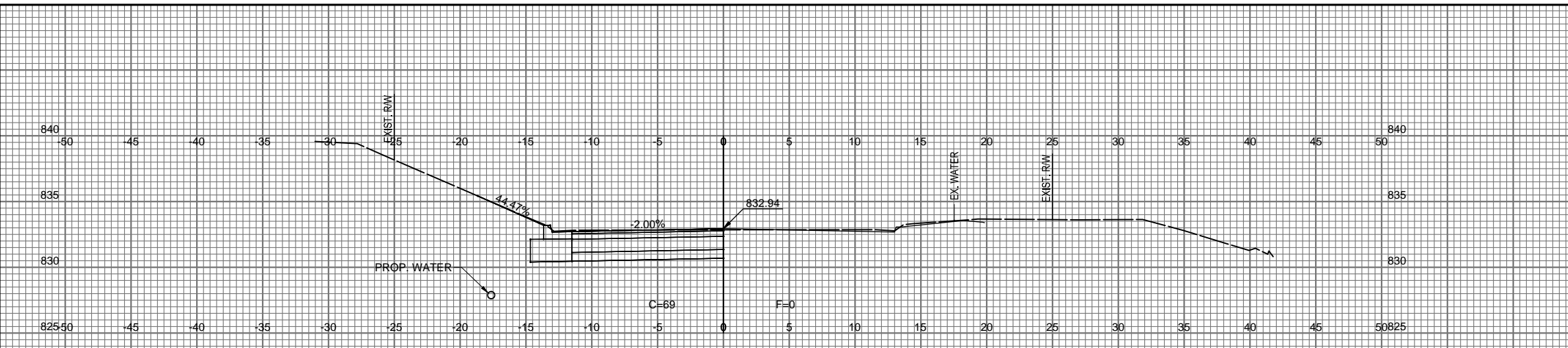


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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
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DRAWN	CP	01/2022	
DESIGNED	RJP	01/2022	
SURVEY	JRL	06/2018	
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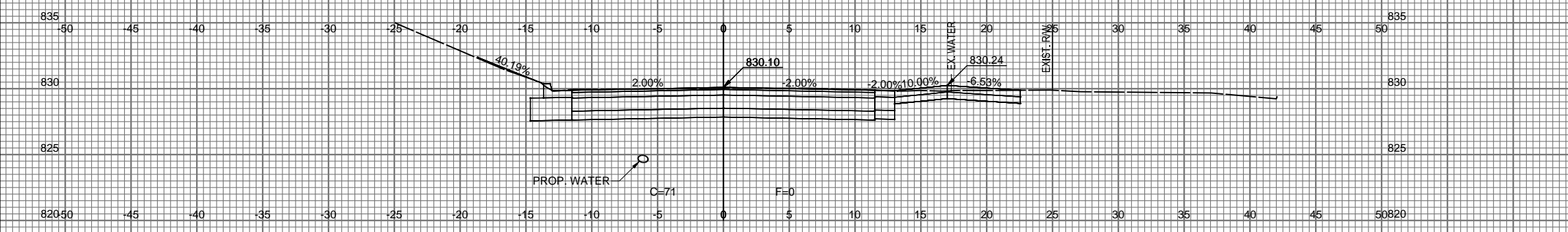
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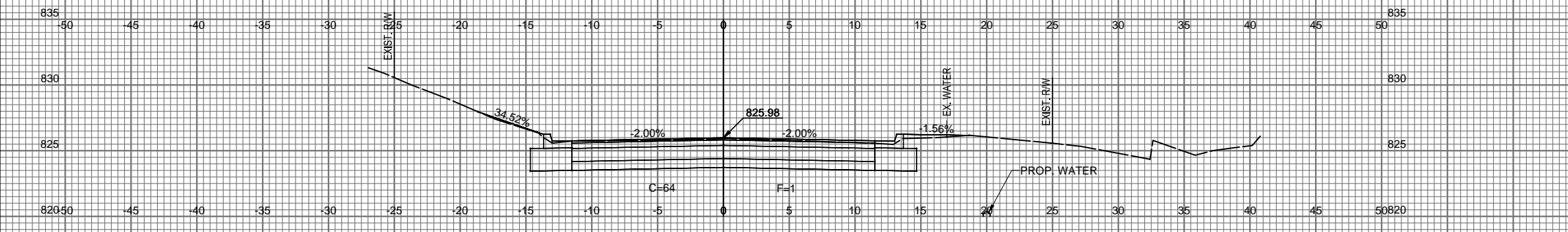
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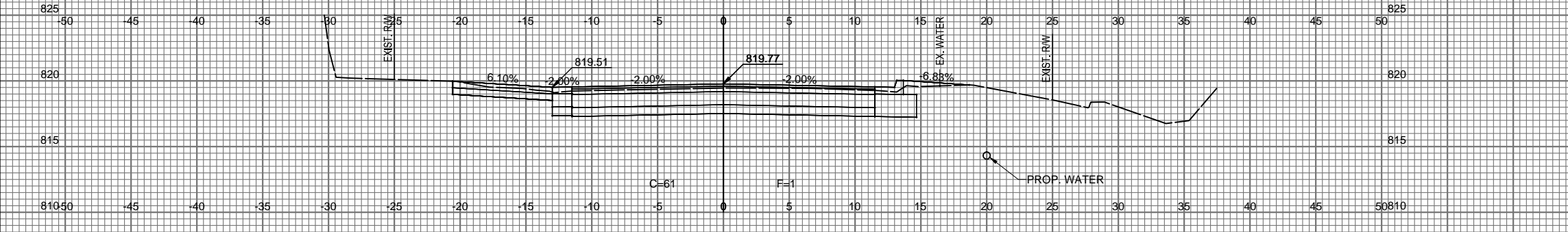
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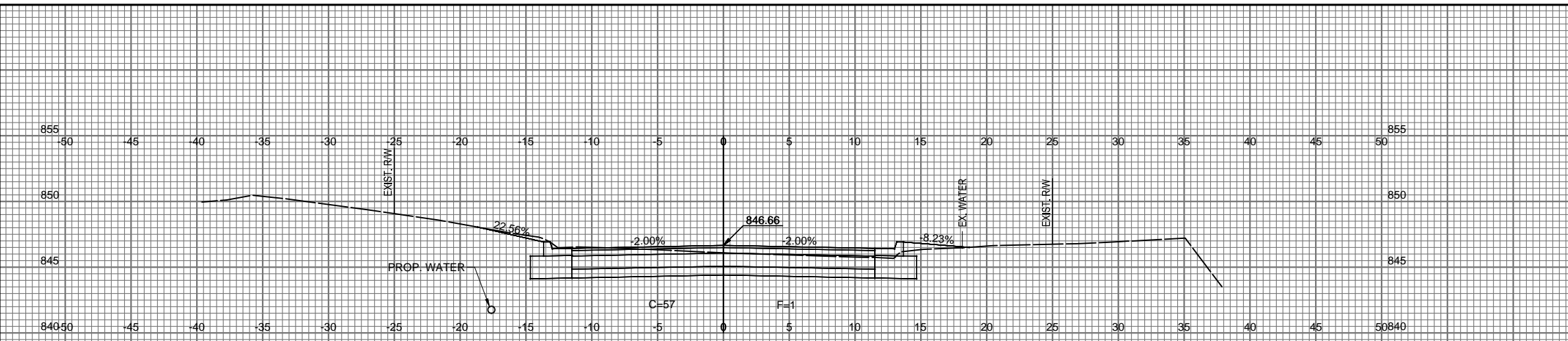
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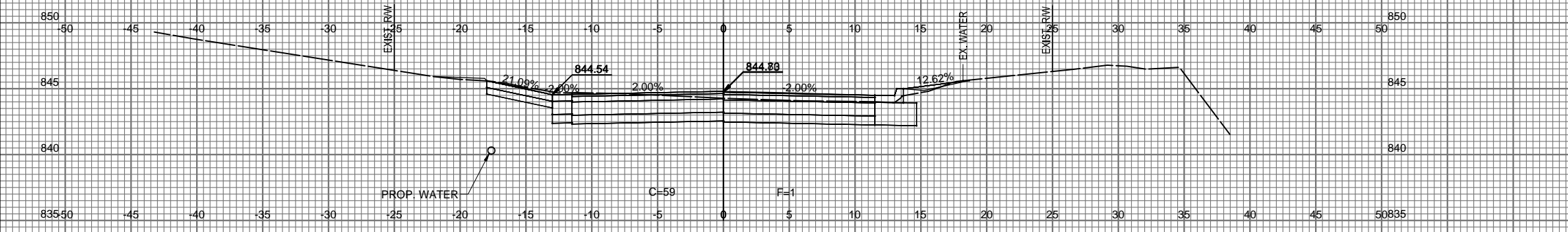
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023		
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	SURVEY	JRL	06/2018
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1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
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REVISION	BY	DATE

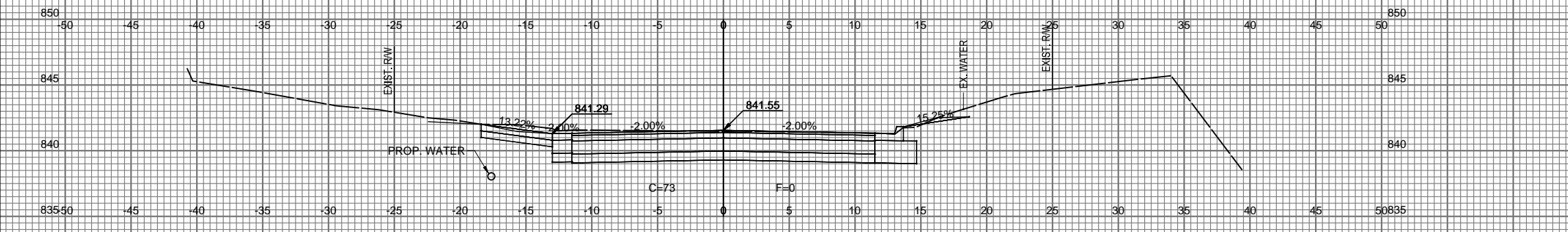
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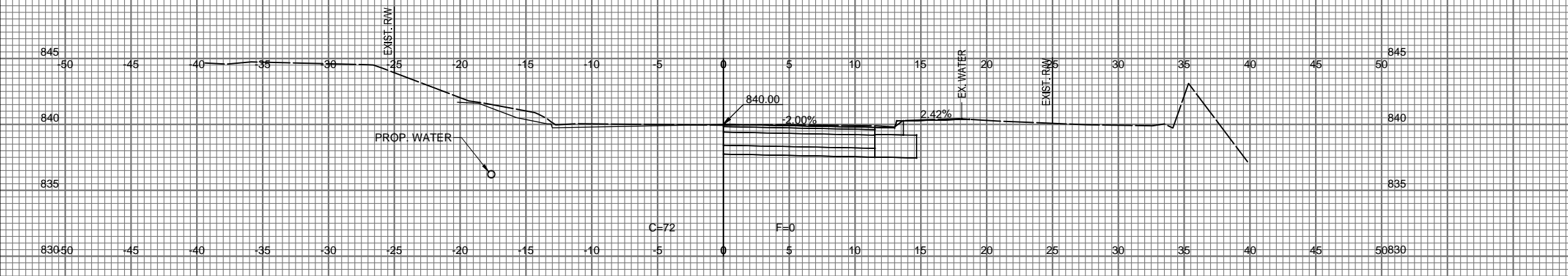
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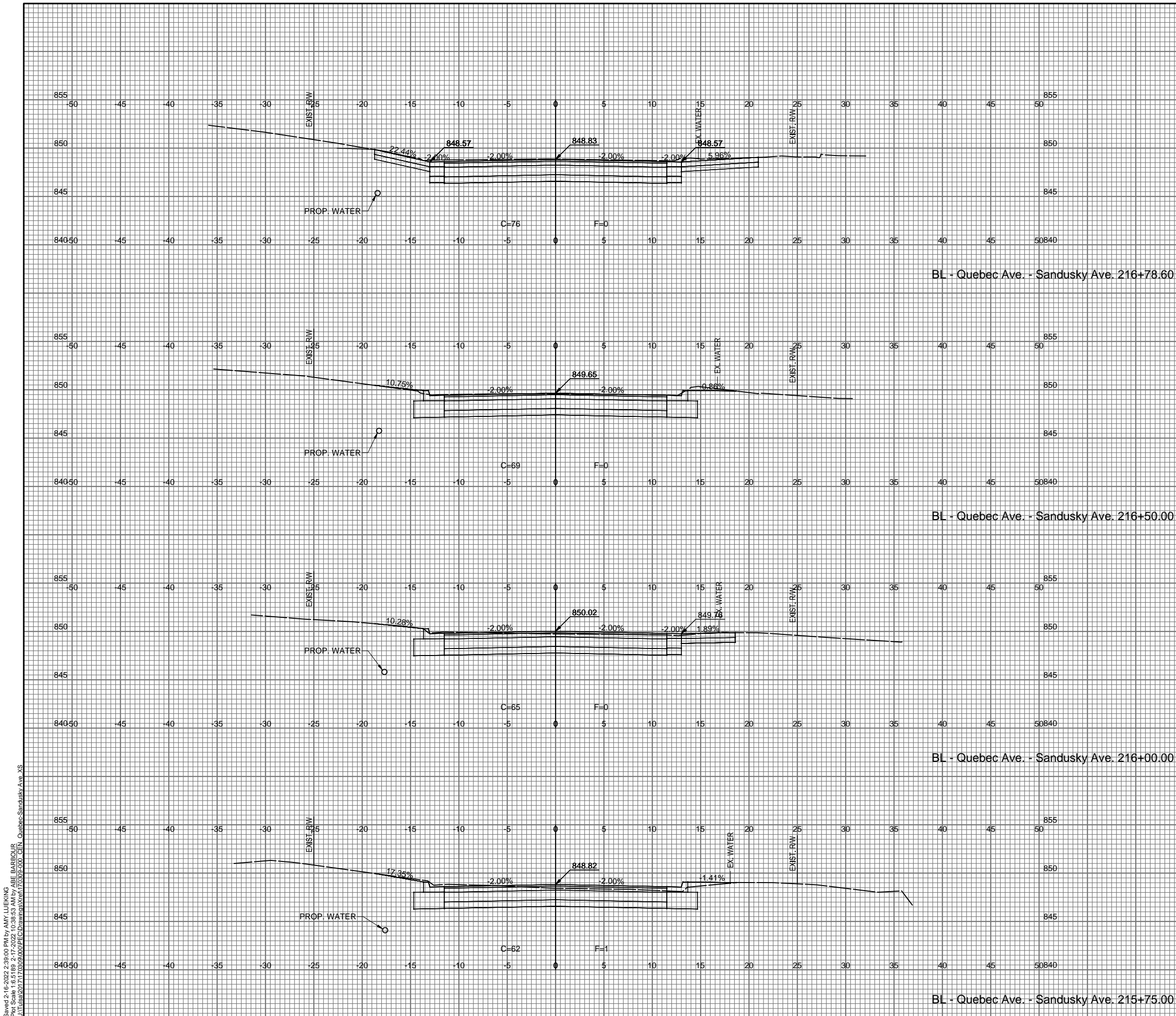
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<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 230 OF 308 SHEETS

REVISION	BY	DATE





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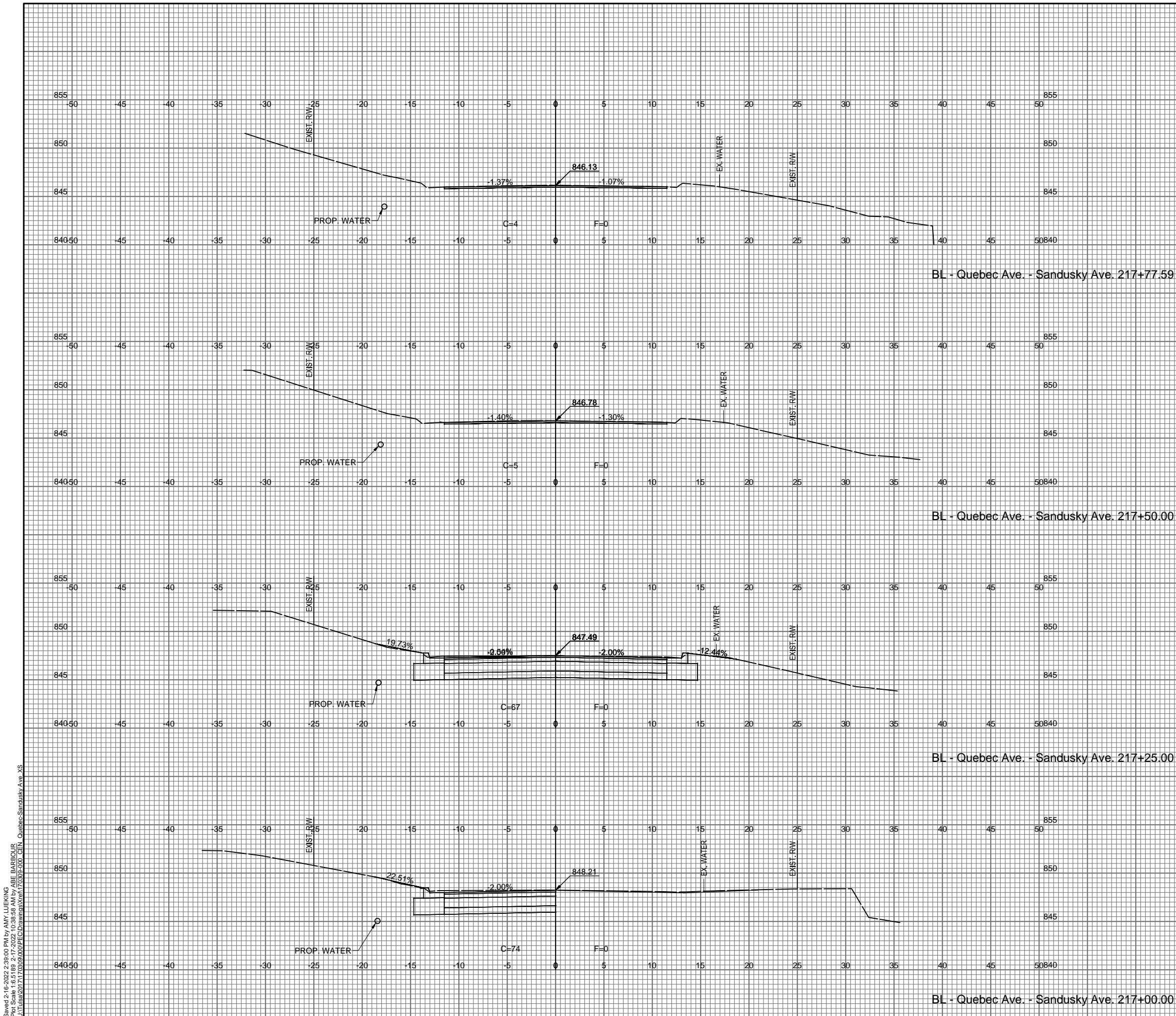
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<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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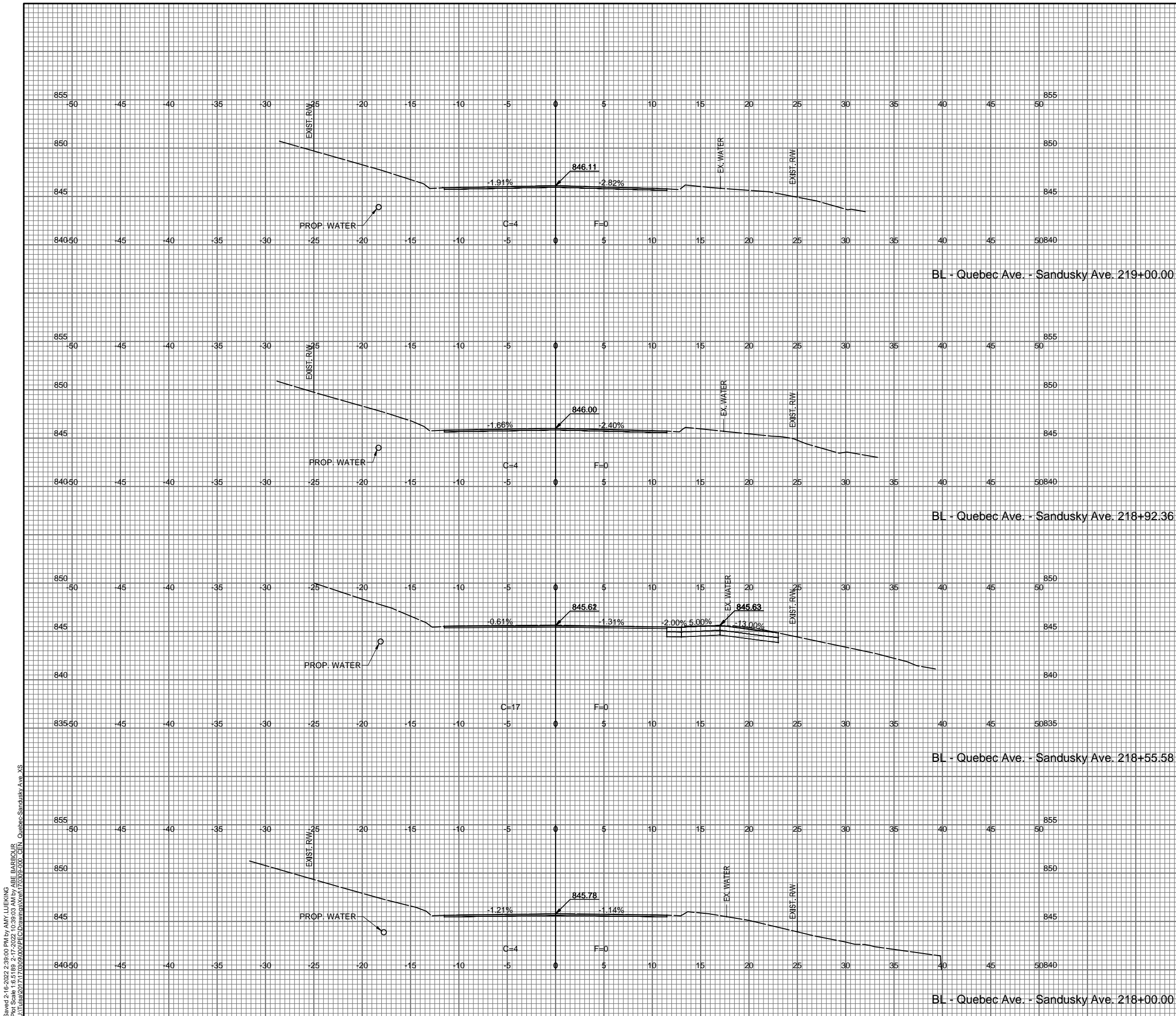
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<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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REVISION	BY	DATE

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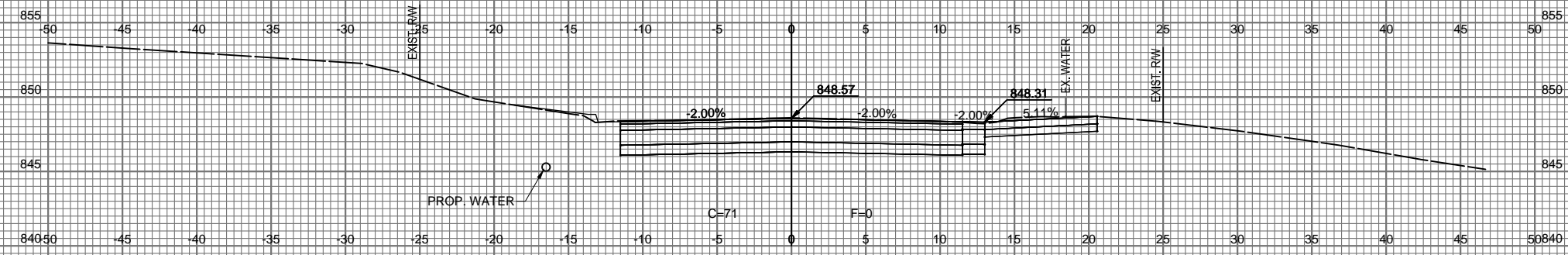


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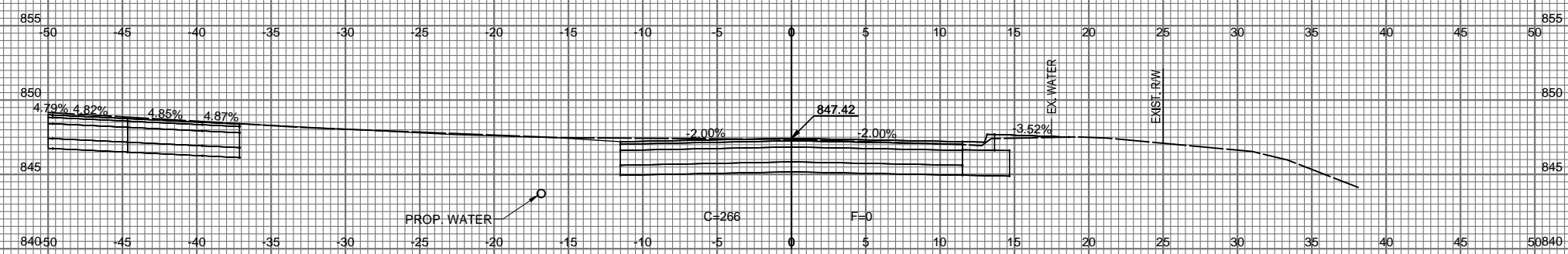
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PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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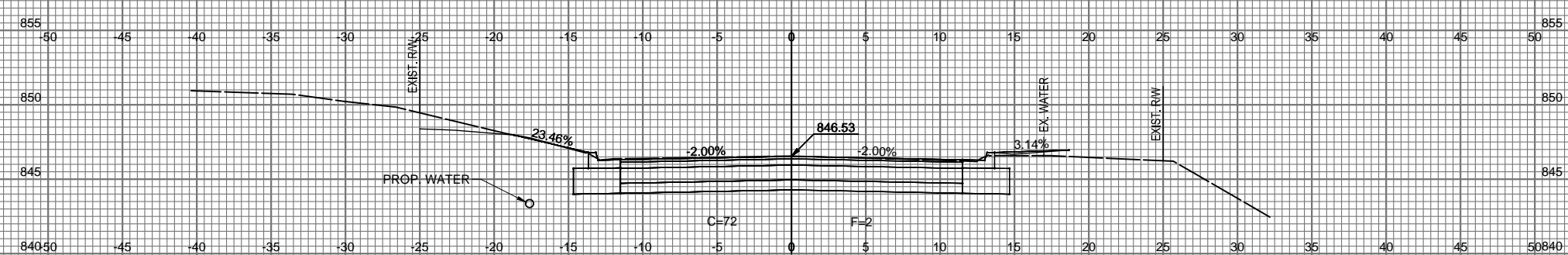
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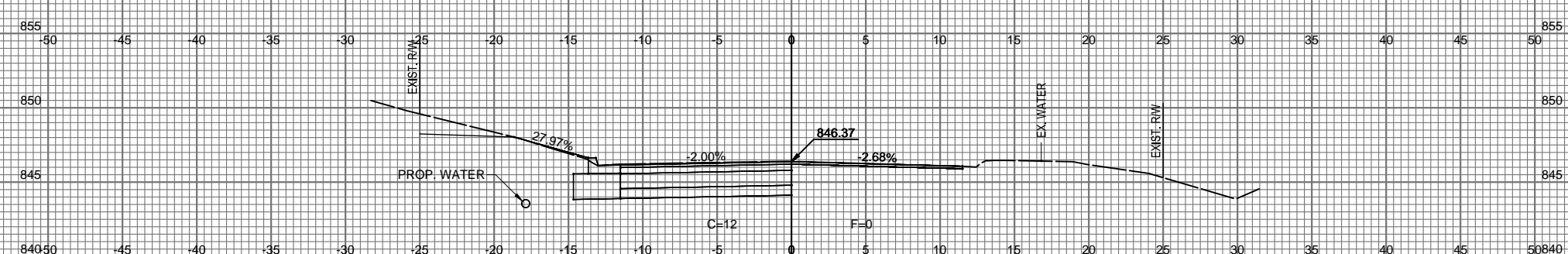
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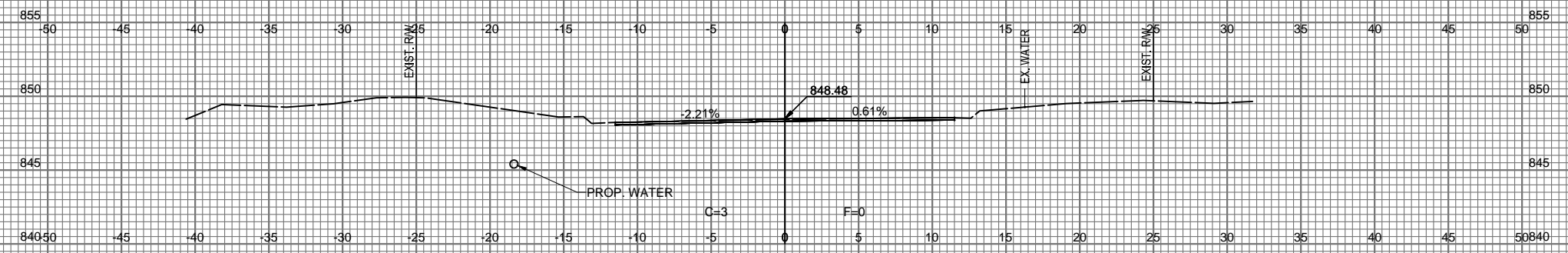
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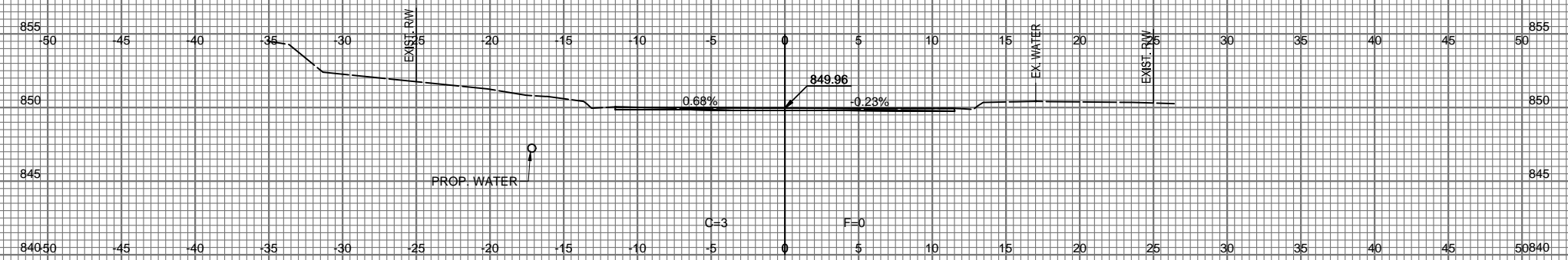
<b>QUEBEC AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
DRAWN	CP	01/2022	
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REVISION	BY	DATE

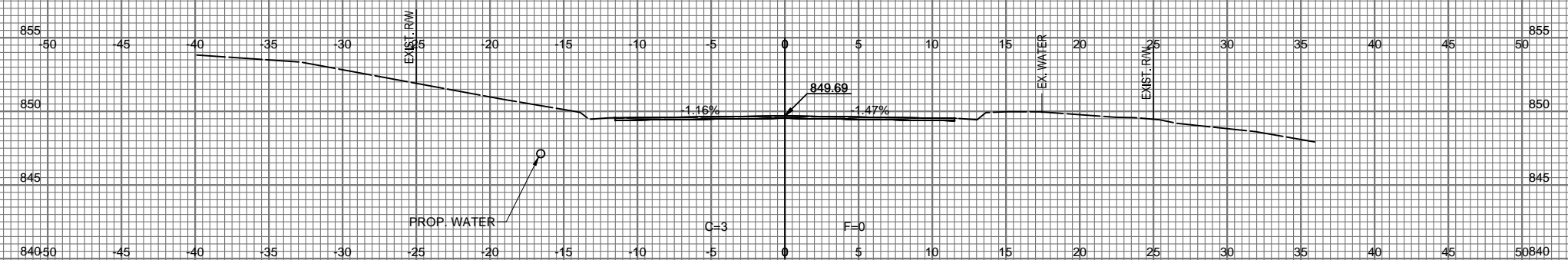
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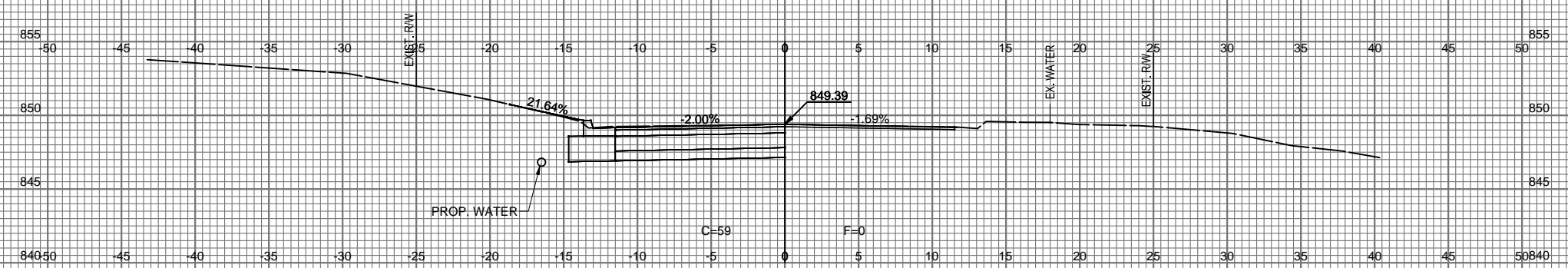
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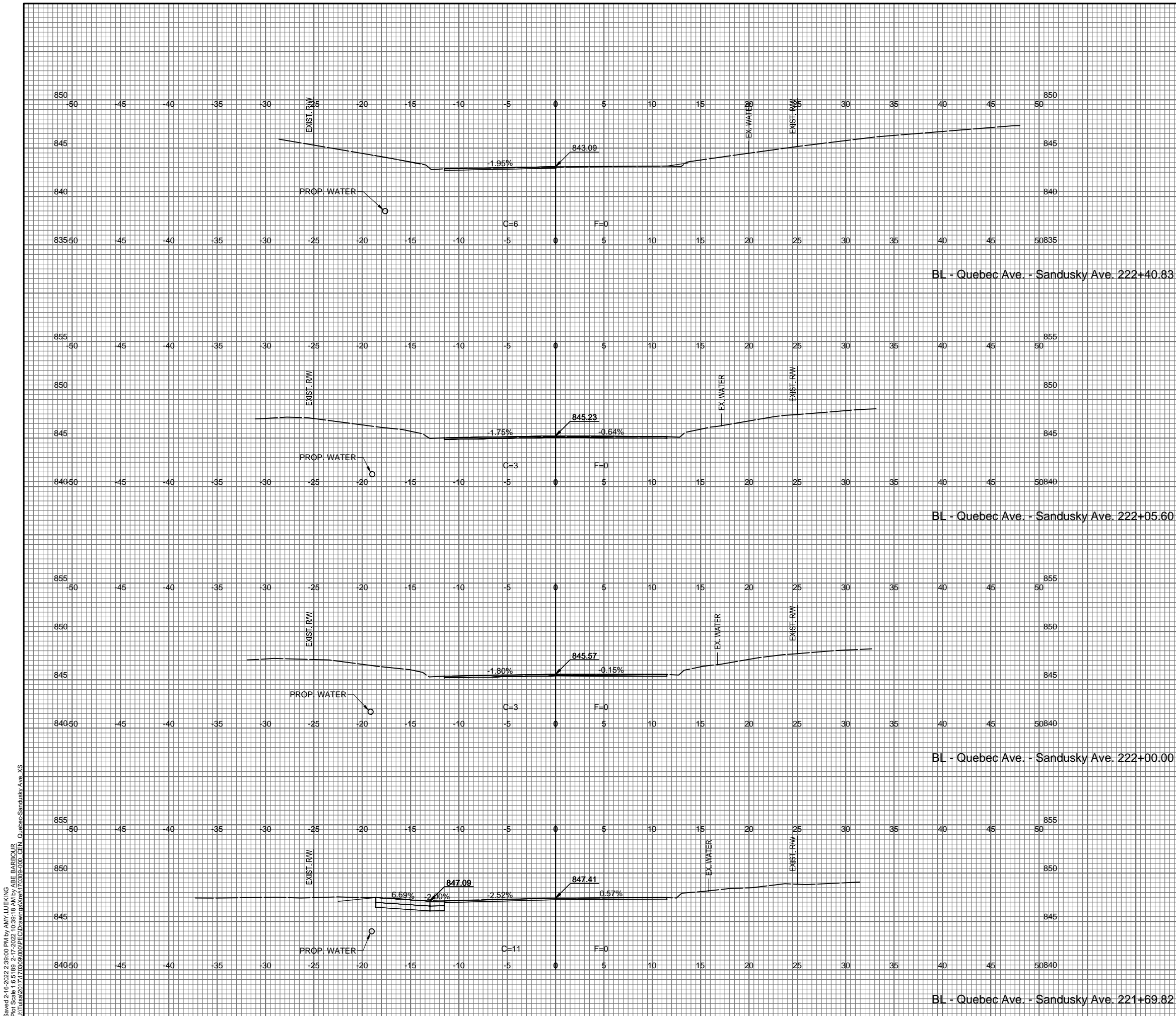


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QUEBEC AVENUE - CROSS SECTIONS			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	FILE:	DRAWING:	DATE:
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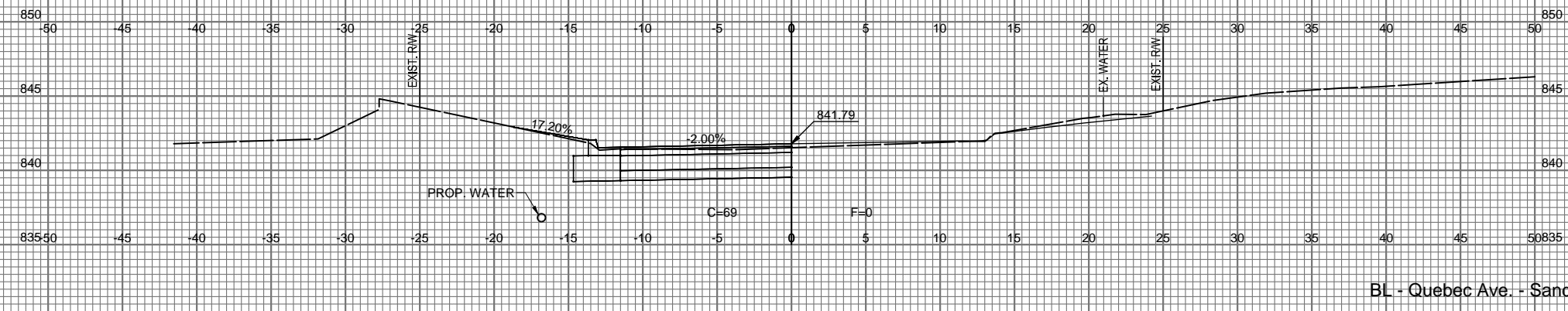


REVISION		BY	DATE

<b>QUEBEC AVENUE - CROSS SECTIONS</b> PROJECT NUMBERS: 144863-S & TMUA-W17-10 NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S <b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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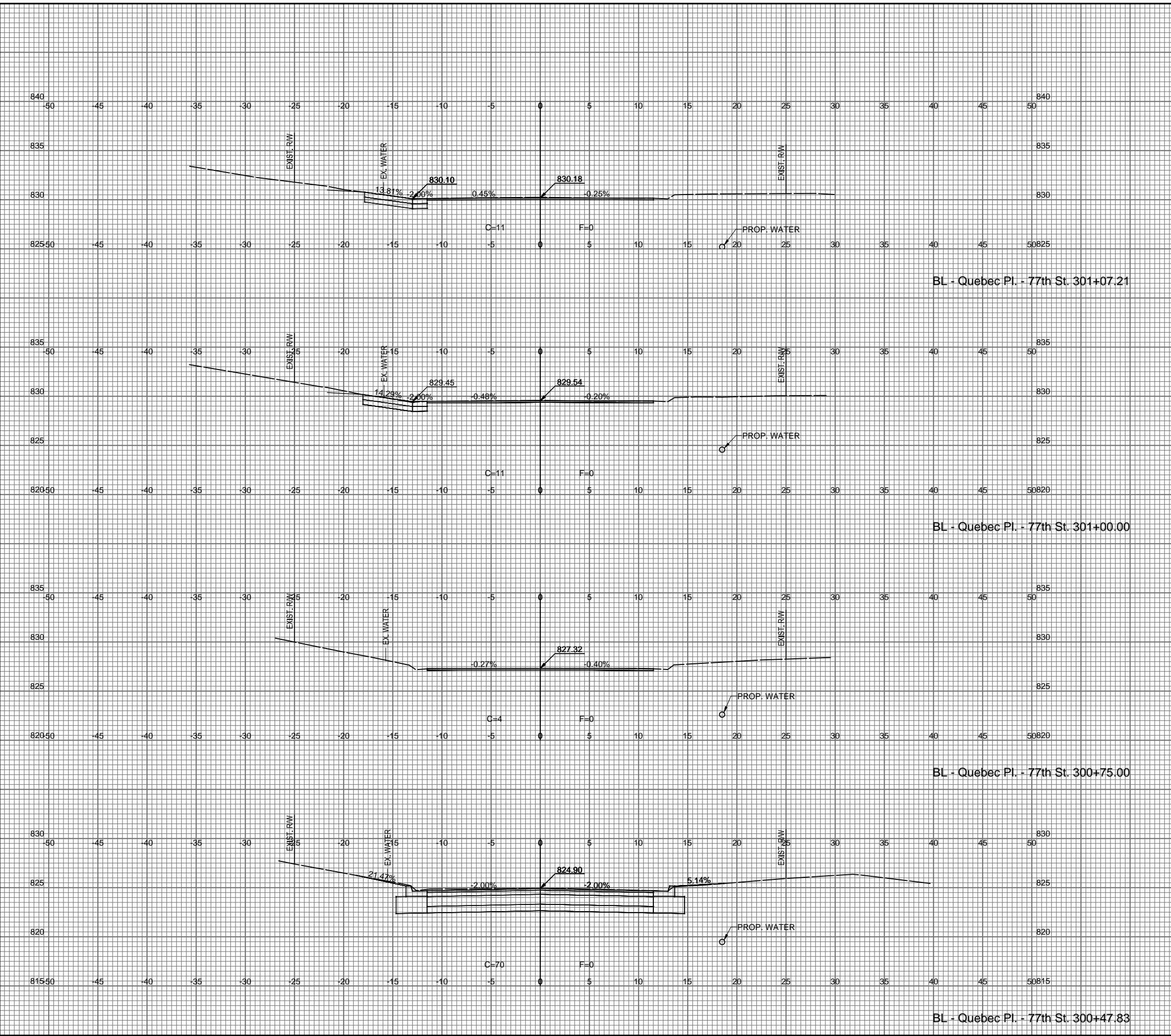


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<b>QUEBEC AVENUE - CROSS SECTIONS</b>																																		
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT																																		
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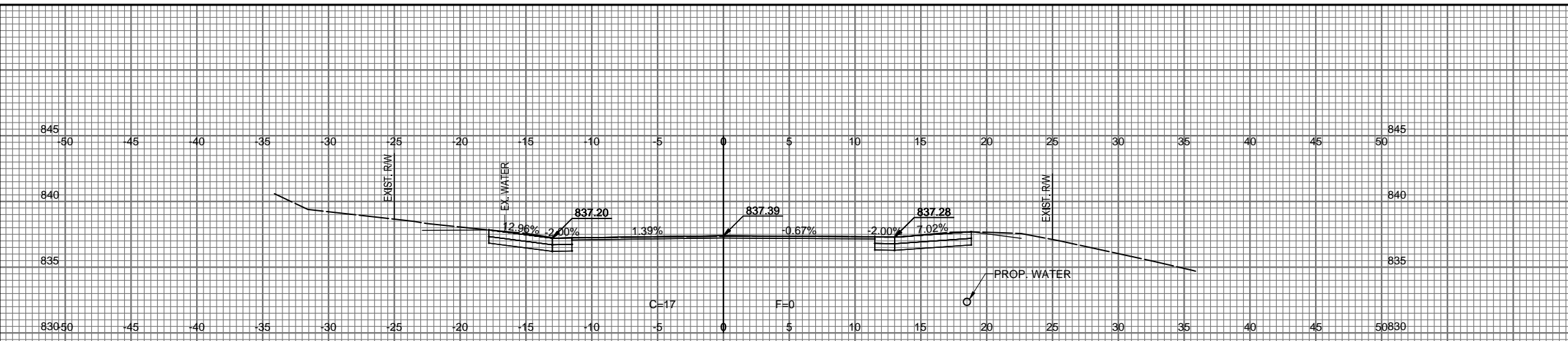


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PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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ATLAS PAGE NO: 661 & 768	CITY ENGINEER:
	DATE:
	SHEET 238 OF 308 SHEETS

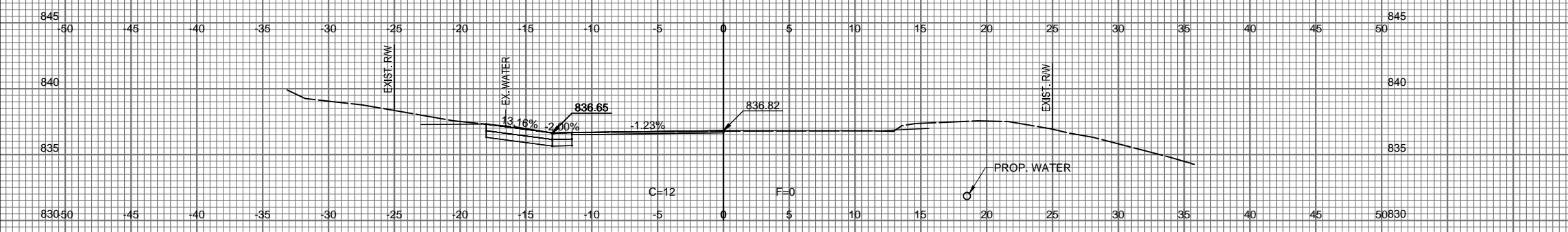
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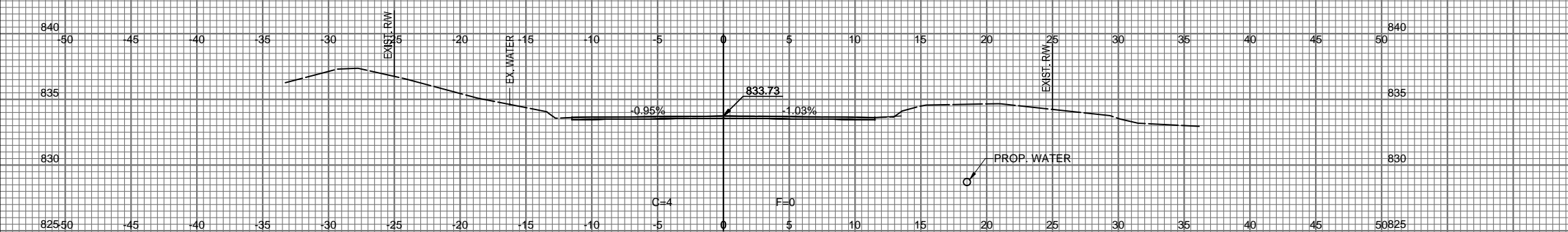
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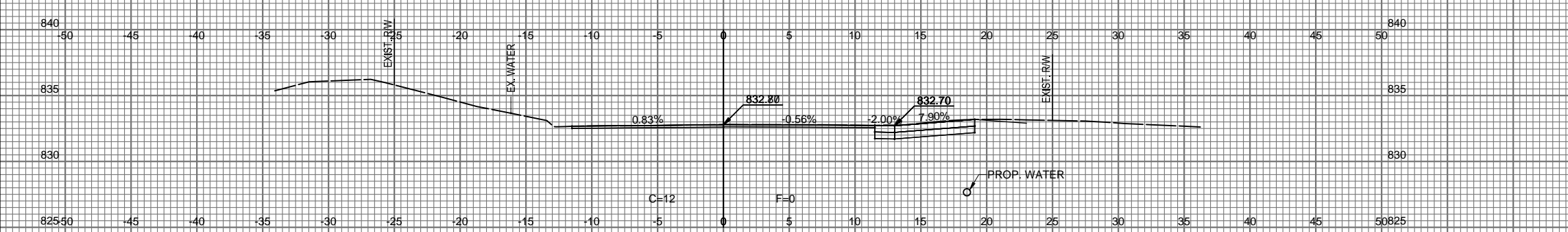
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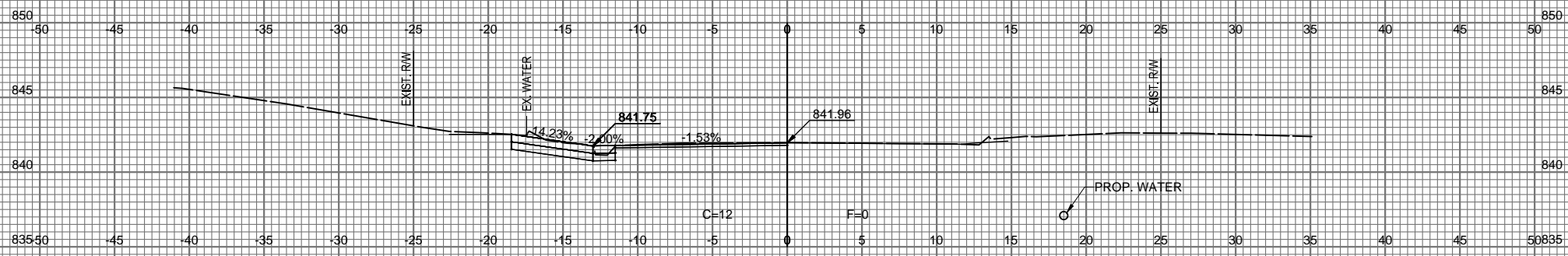
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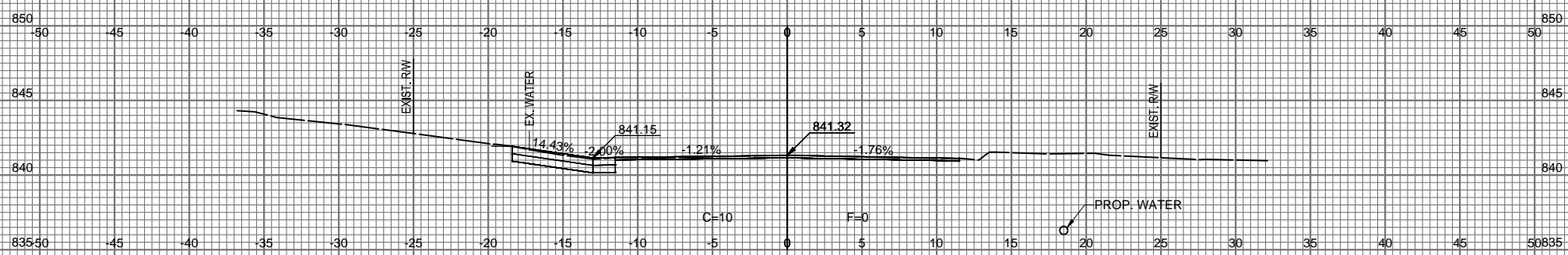
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PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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ATLAS PAGE NO: 661 & 768			SHEET 239 OF 308 SHEETS

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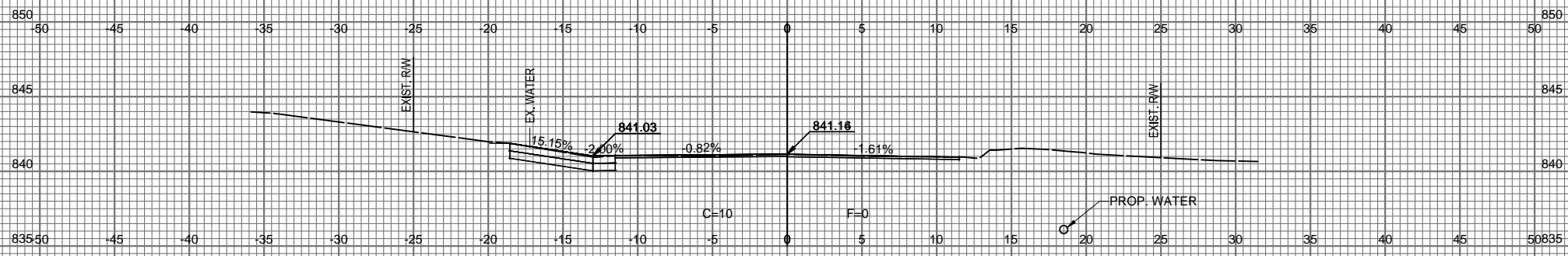
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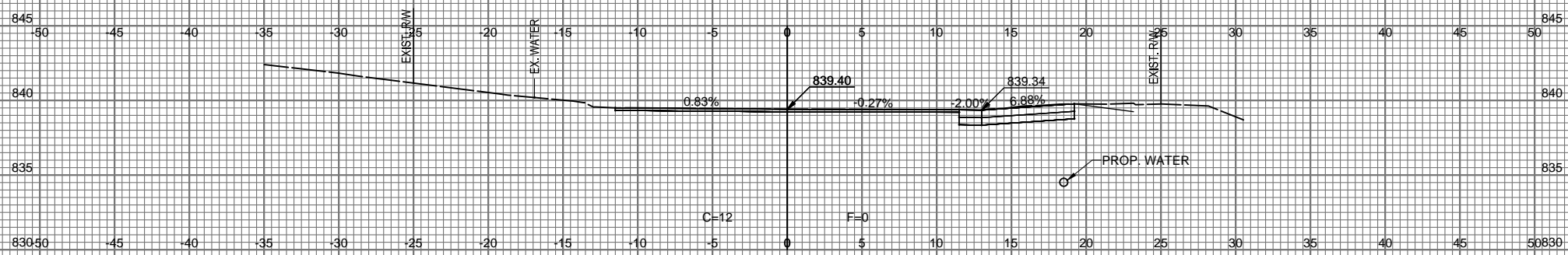
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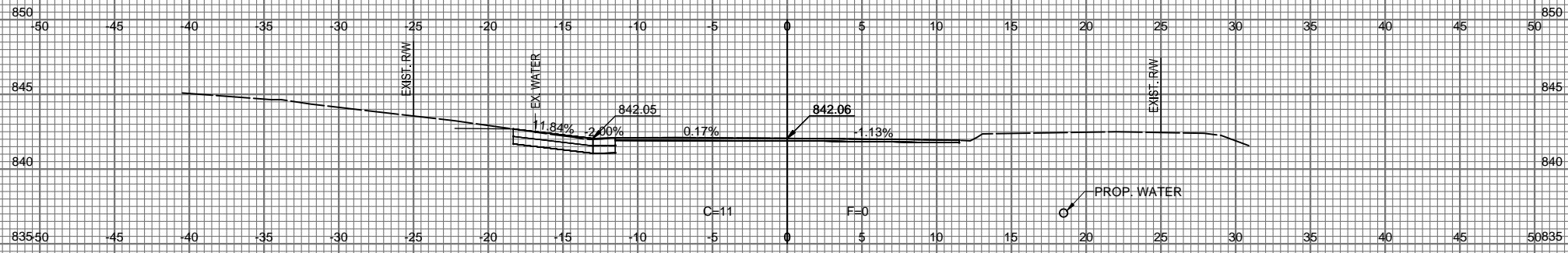
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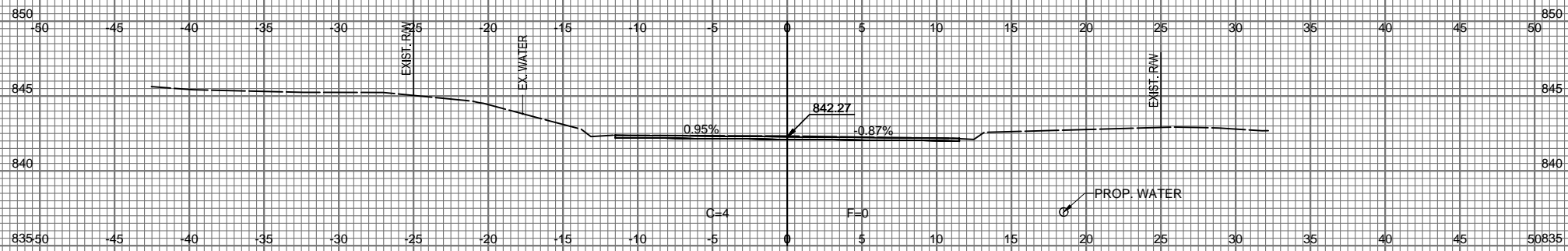
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PROJECT NUMBERS: 144863-S & TMUA-W17-10		
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S		
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REVISION	BY	DATE

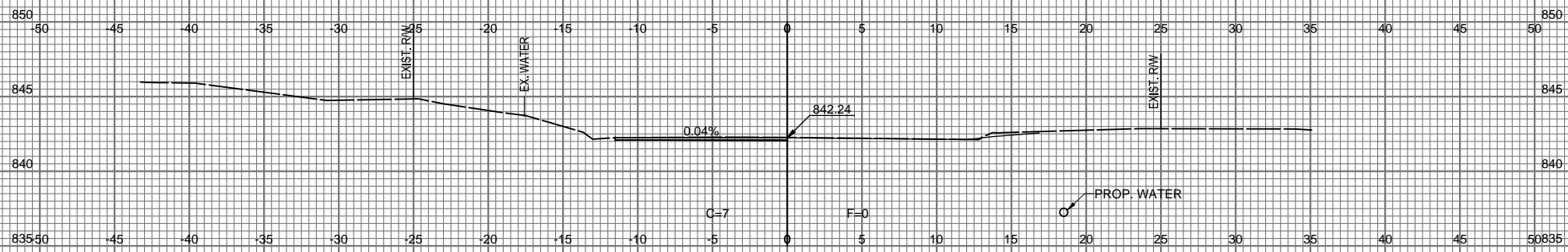
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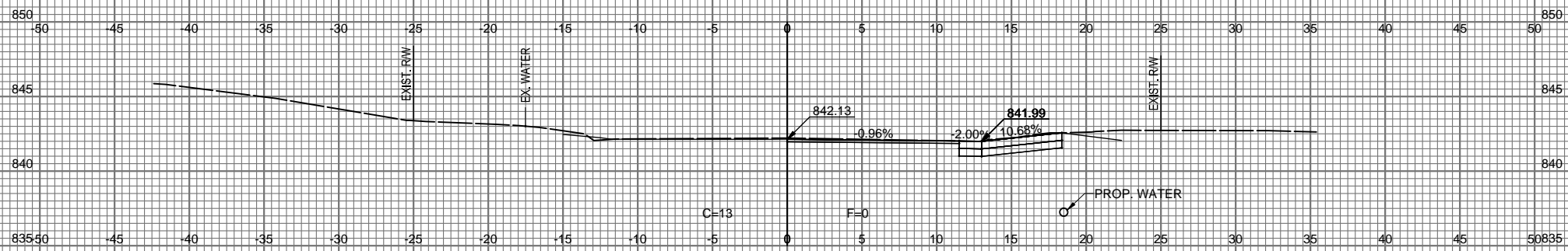
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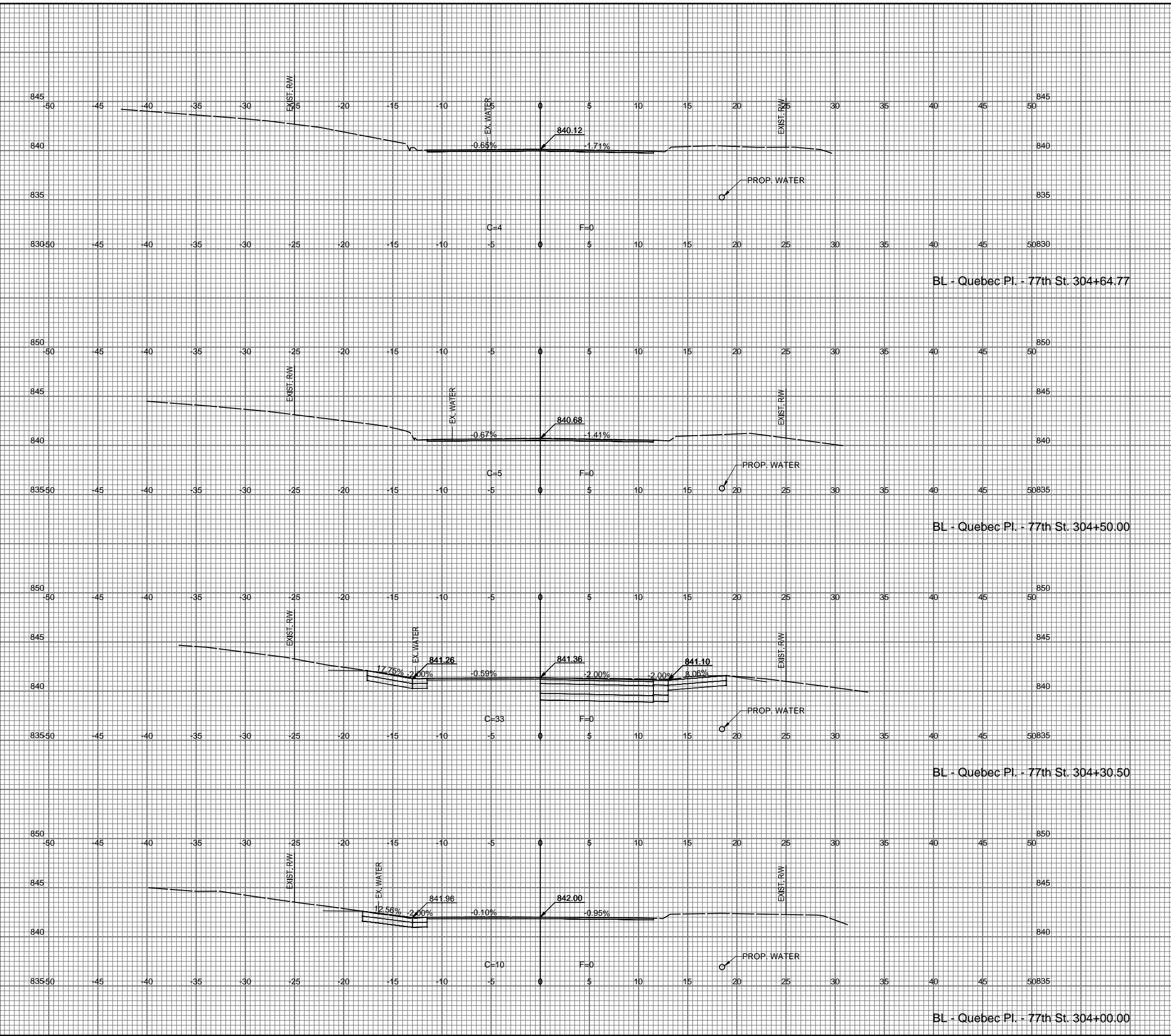
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<b>QUEBEC PLACE - CROSS SECTIONS</b>			
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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FILE:	DRAWING:		DATE:
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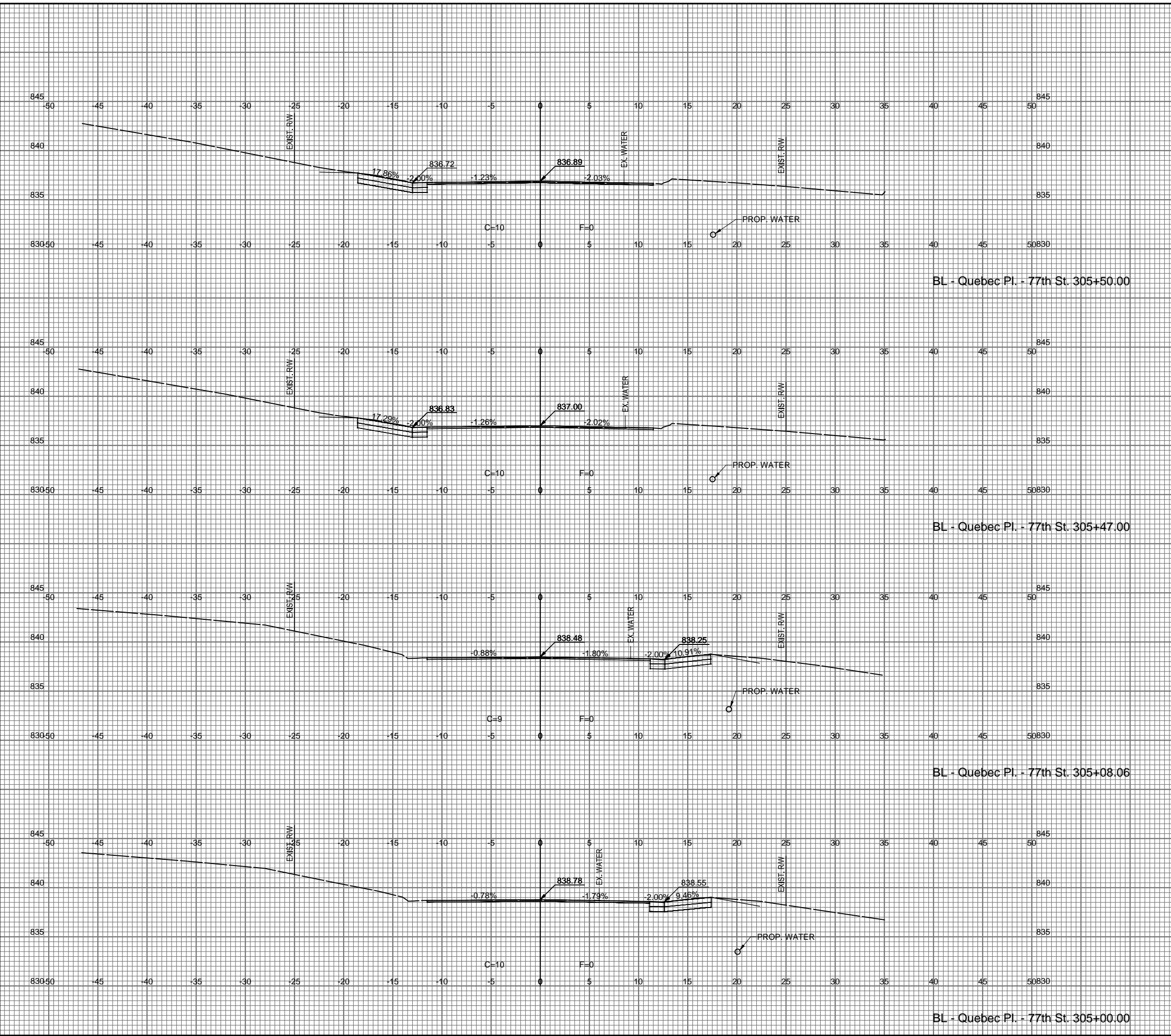
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<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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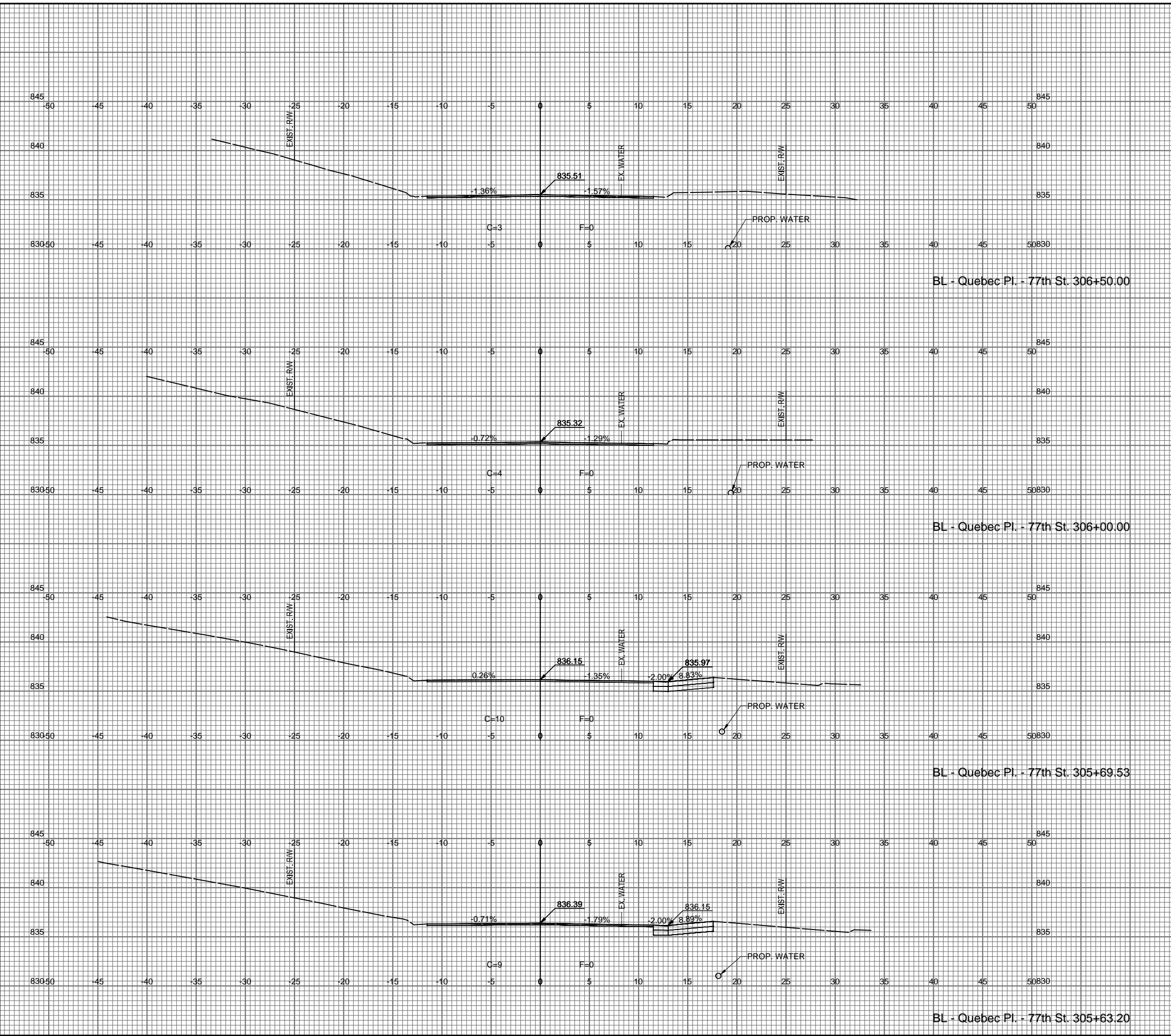
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<b>QUEBEC PLACE - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
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REVISION	BY	DATE

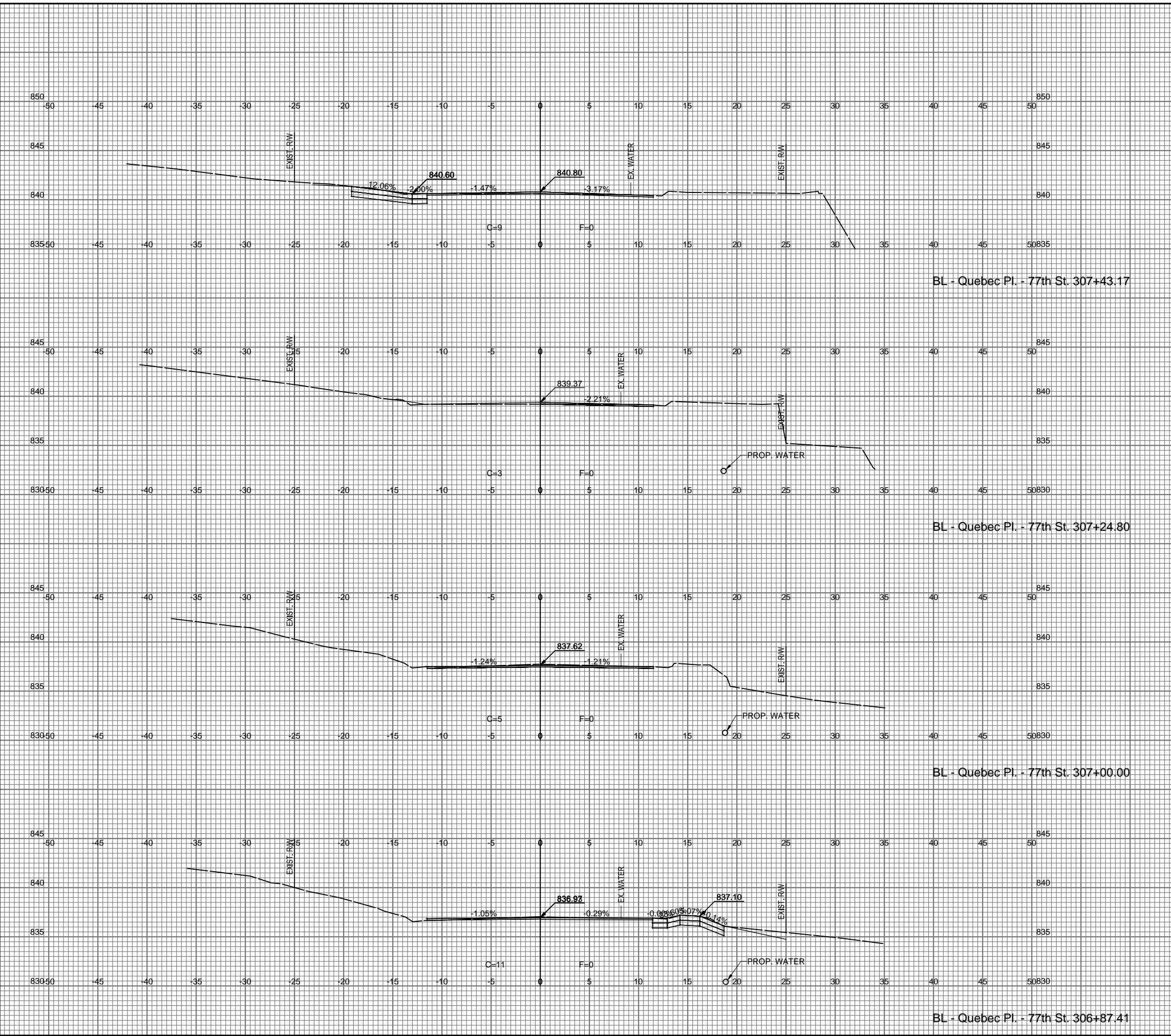
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<b>QUEBEC PLACE - CROSS SECTIONS</b>		
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S		
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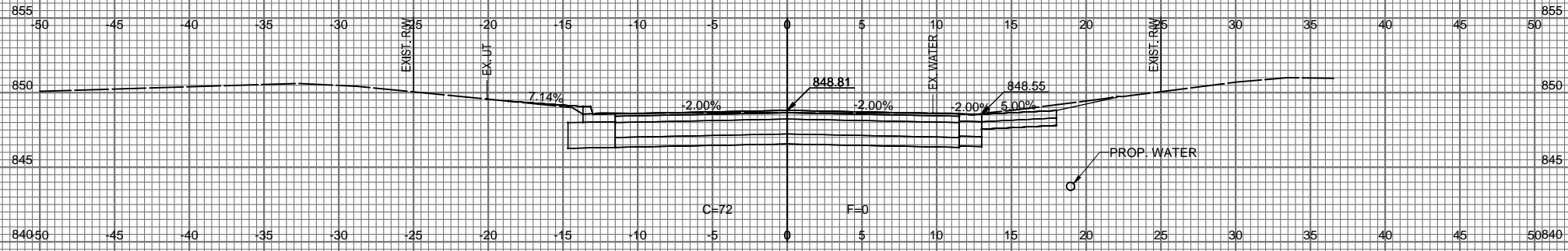
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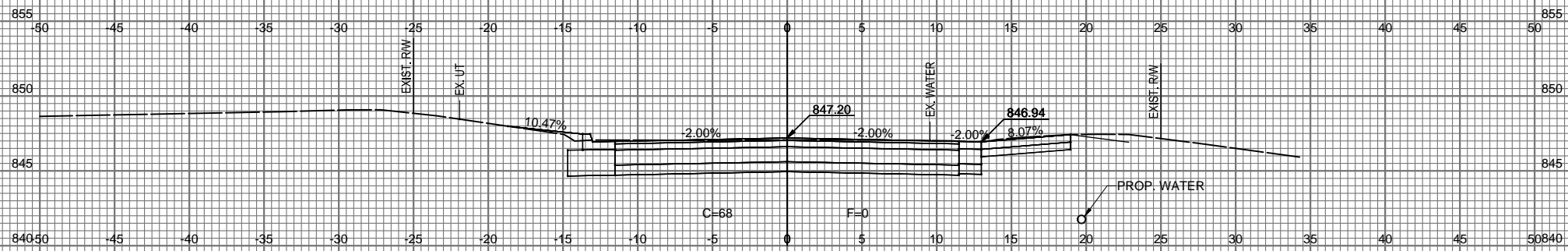
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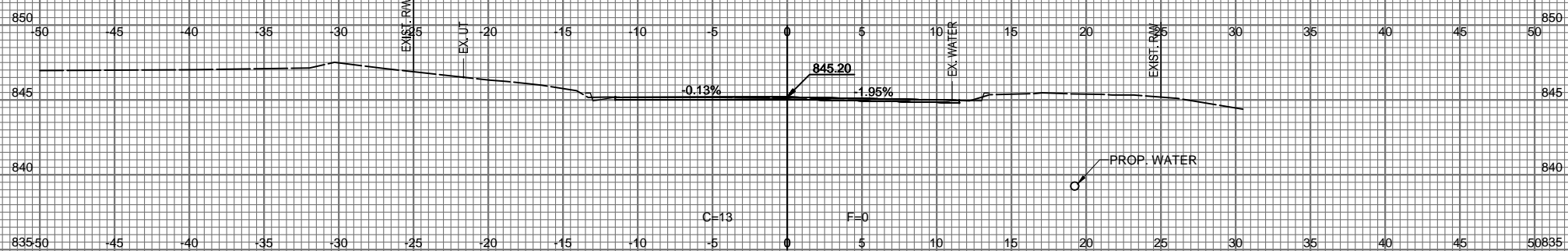
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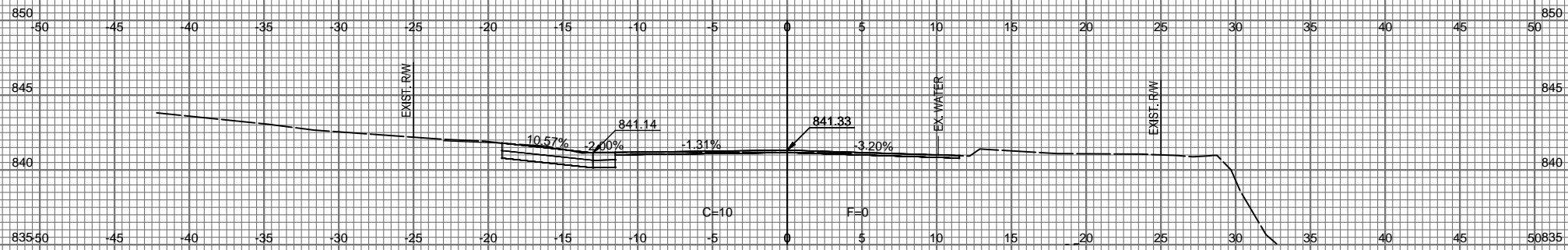
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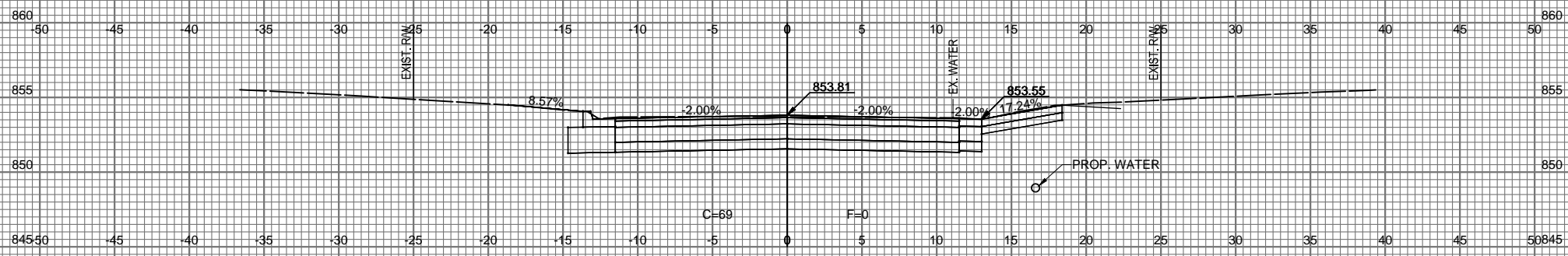


<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768	SHEET 246 OF 308 SHEETS		

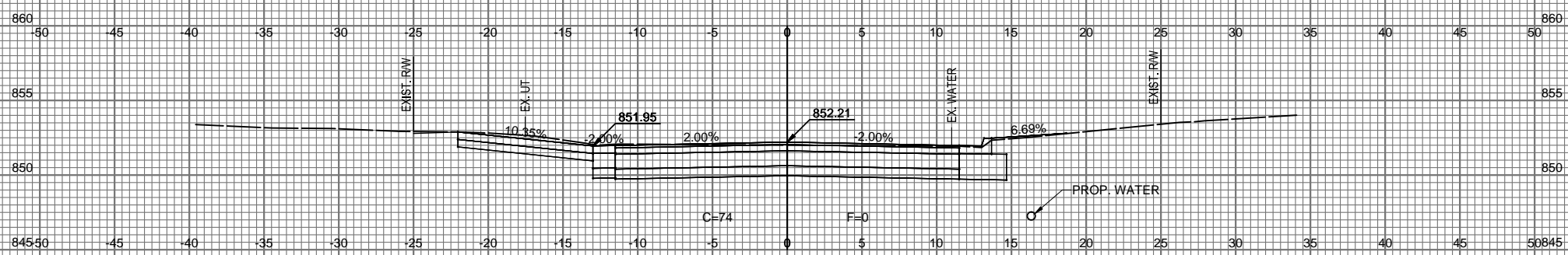
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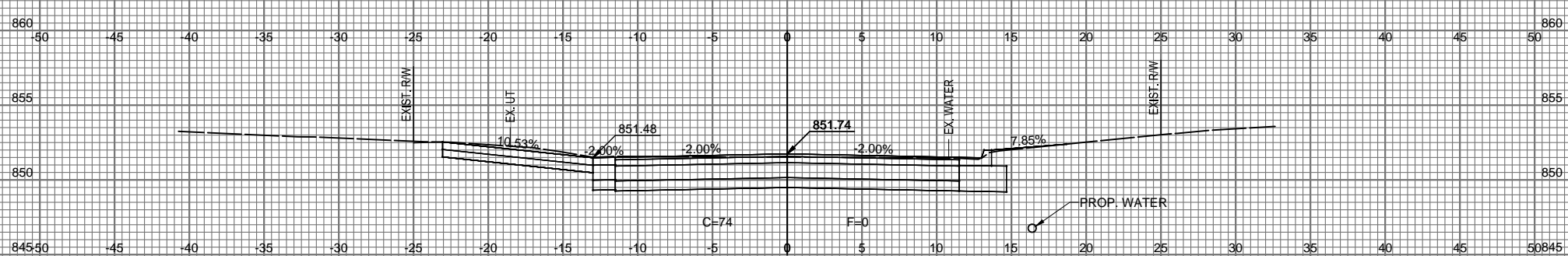
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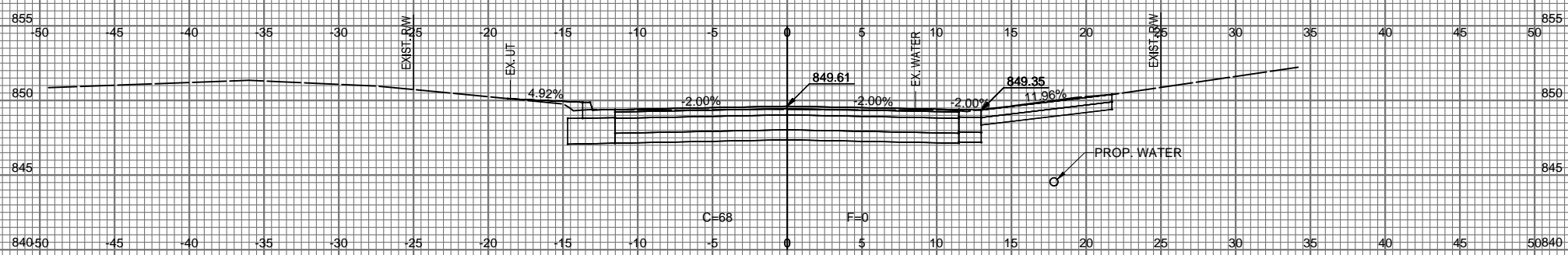
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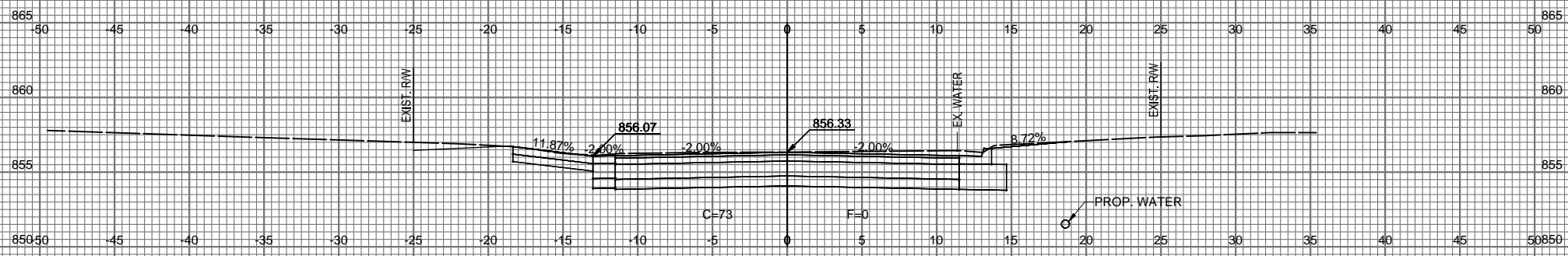
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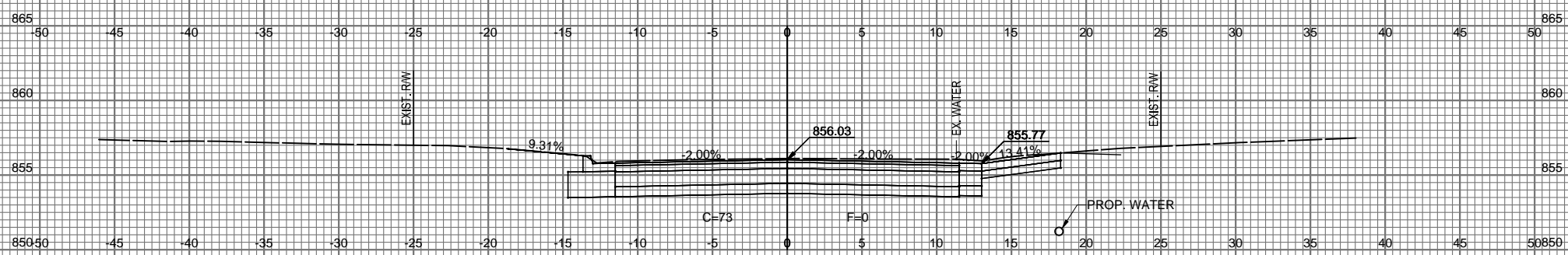
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PROJECT NUMBERS: 144863-S & TMUA-W17-10		
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S		
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT		
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74146 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>	APPROVED:
PLAN SCALE:	DRAWN CP 01/2022	DESIGNED RJP 01/2022
PROFILE SCALE:	SURVEY JRL 06/2018	PROJ. MGR.
HORIZONTAL: 1" = 20'	LEAD ENGR.	FIELD MGR.
VERTICAL: 1" = 5'	RECOMMENDED:	DESIGN MANAGER
FILE:	DRAWING:	CITY ENGINEER
ATLAS PAGE NO: 661 & 768	DATE:	SHEET 247 OF 308 SHEETS

REVISION	BY	DATE

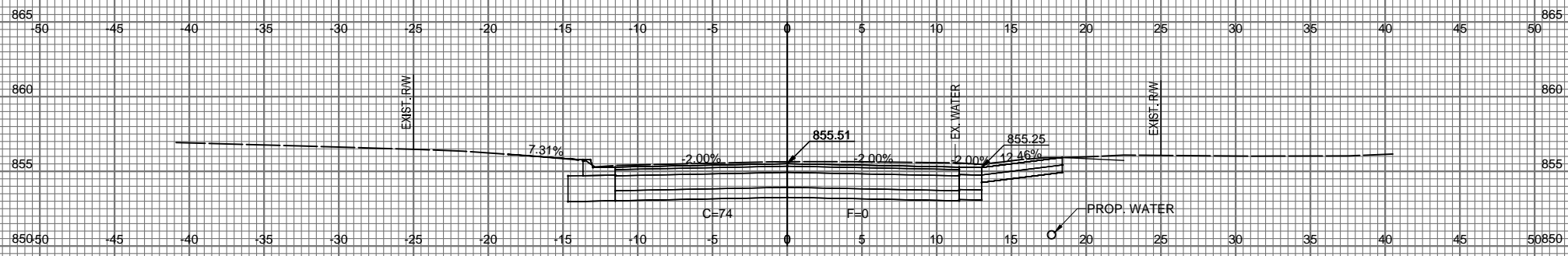
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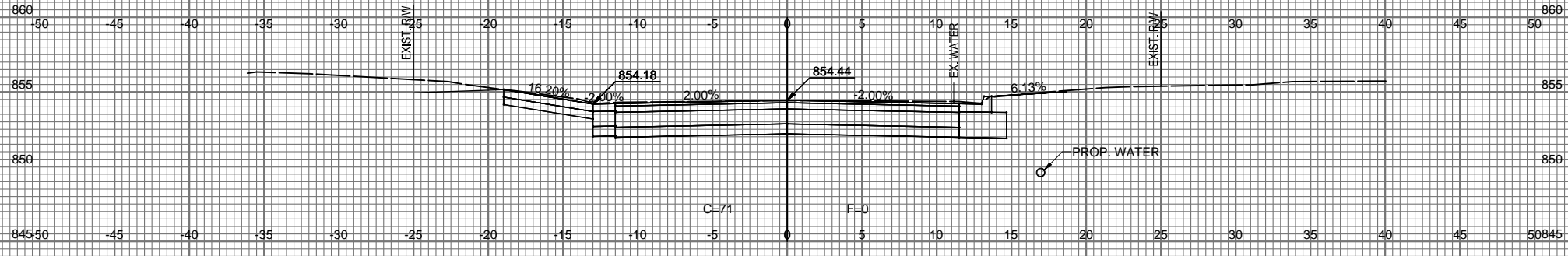
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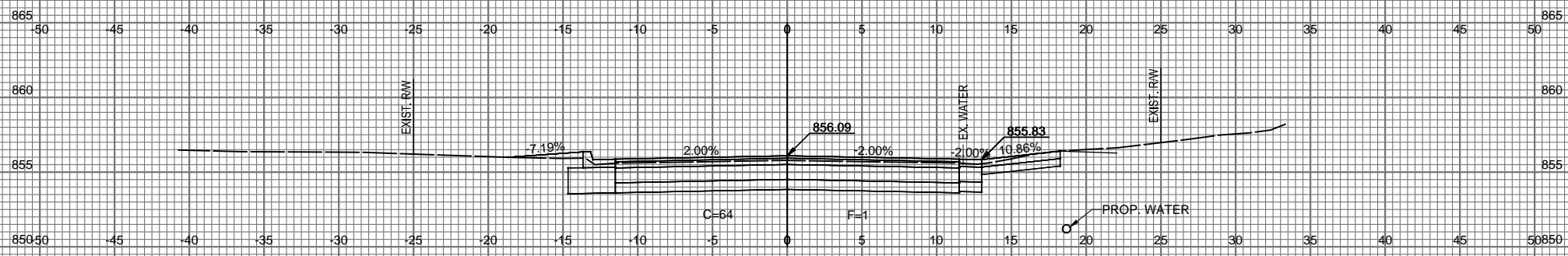


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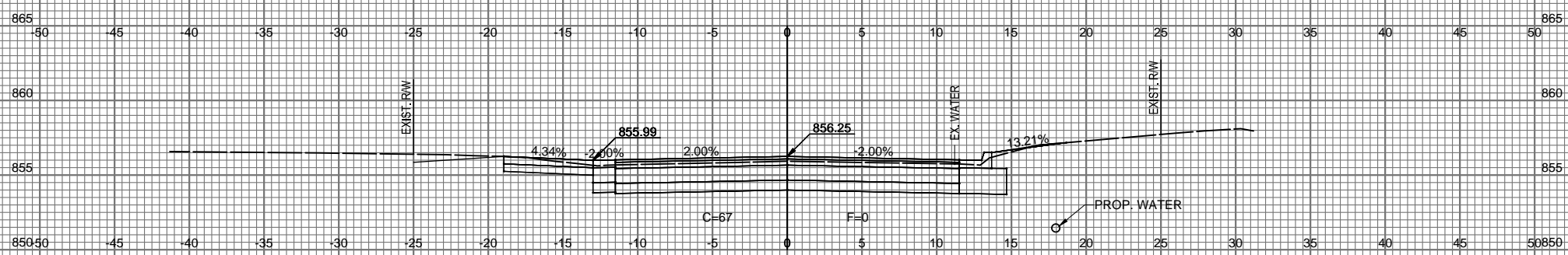


<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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HORIZONTAL: 1" = 20'	RECOMMENDED:		
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FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768			SHEET 248 OF 308 SHEETS

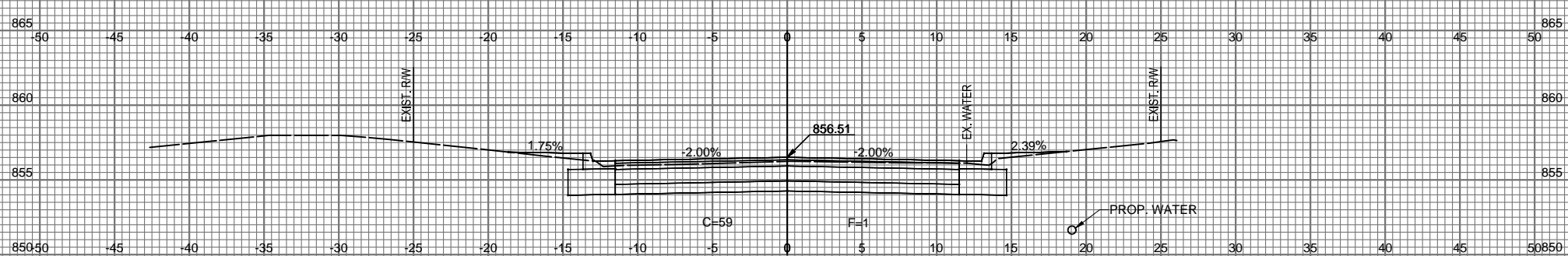
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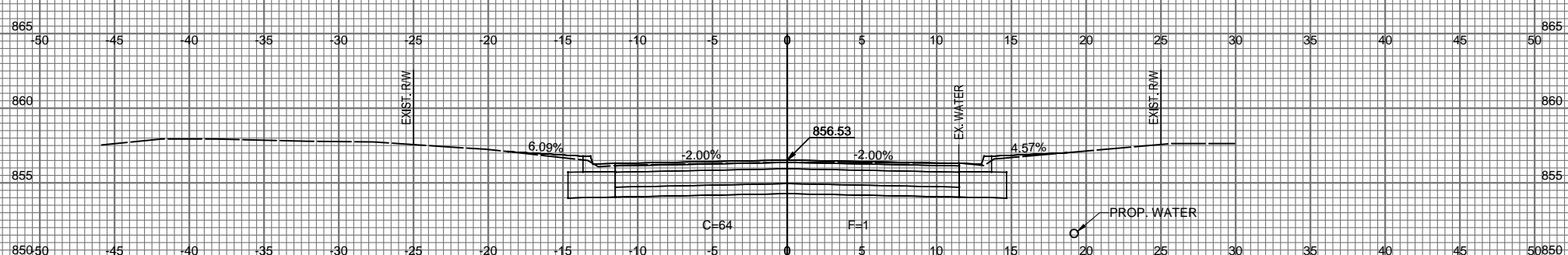
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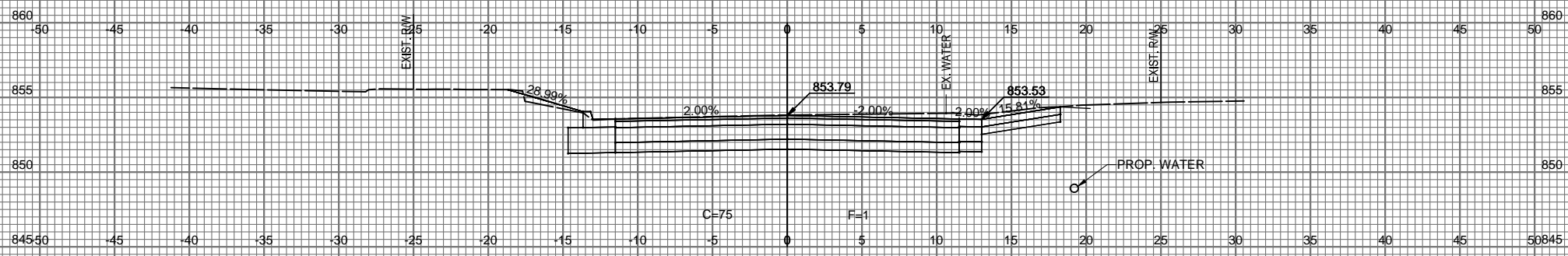


<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
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	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
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1" = 20'	FIELD MGR.		
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 249 OF 308 SHEETS

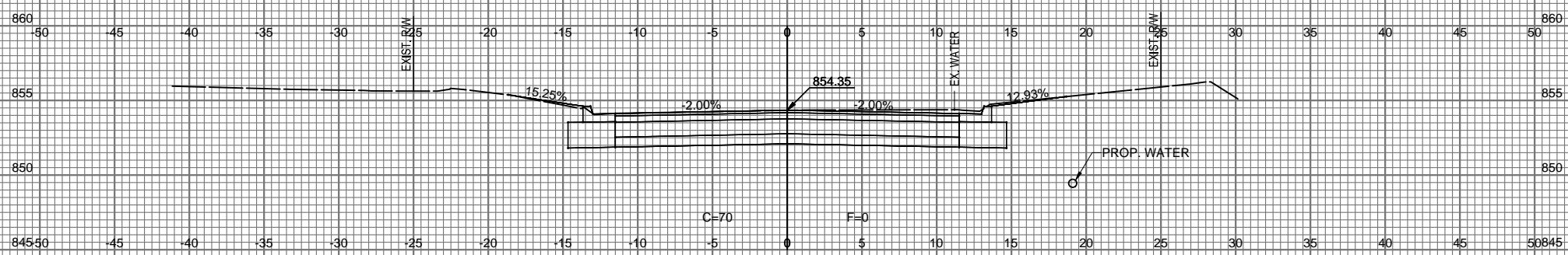
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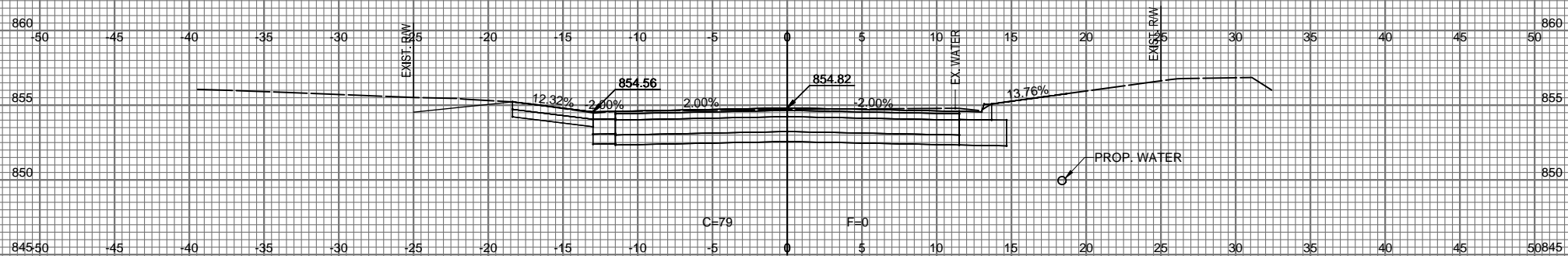
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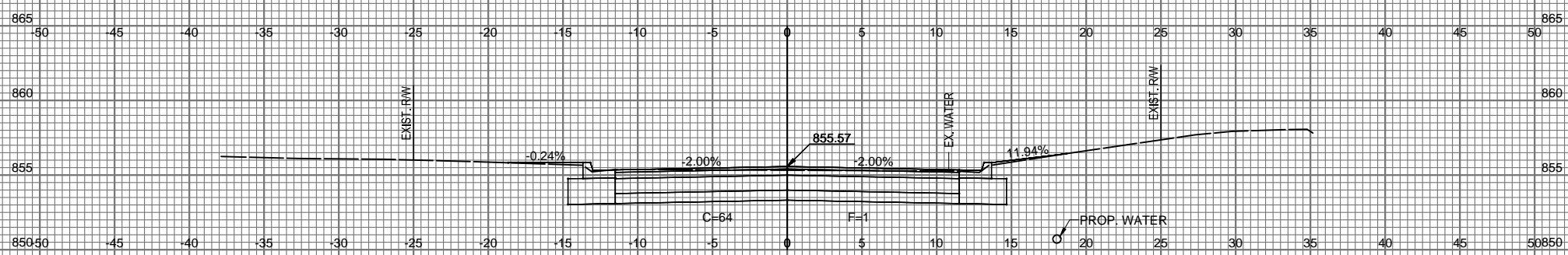
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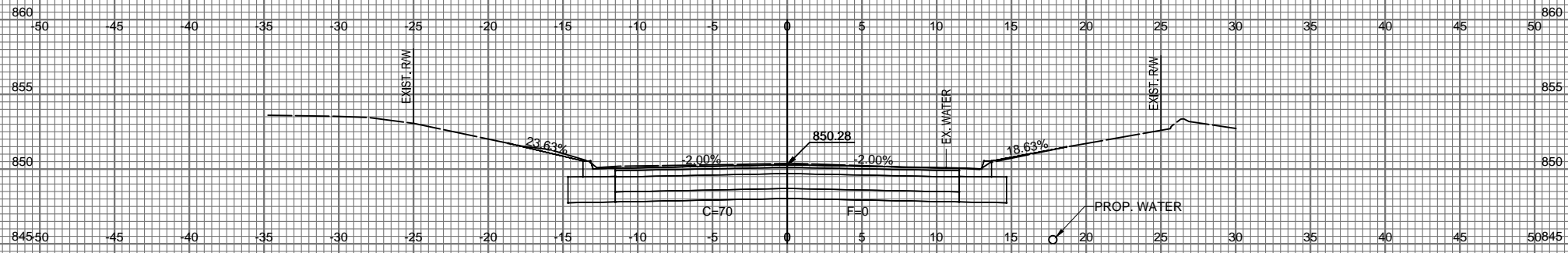
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<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:	
PLAN SCALE:	DRAWN CP 01/2022	DESIGNED RJP 01/2022	
	SURVEY JRL 06/2018		
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VERTICAL: 1" = 5'	RECOMMENDED:		
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ATLAS PAGE NO: 661 & 768			SHEET 250 OF 308 SHEETS

REVISION	BY	DATE

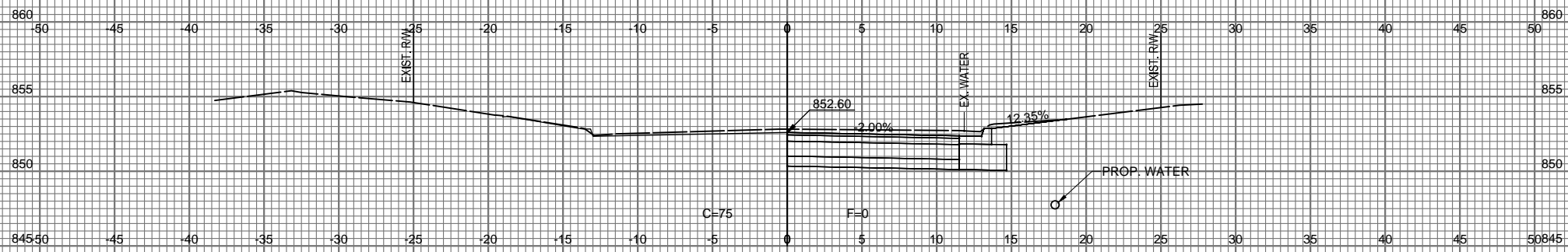
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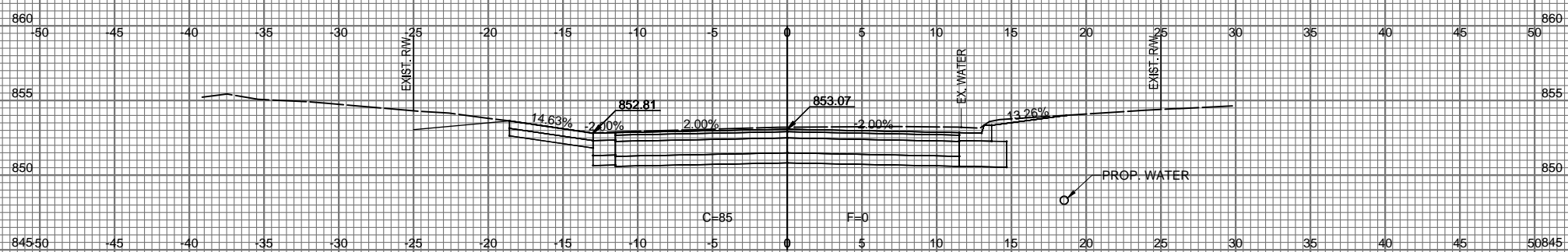
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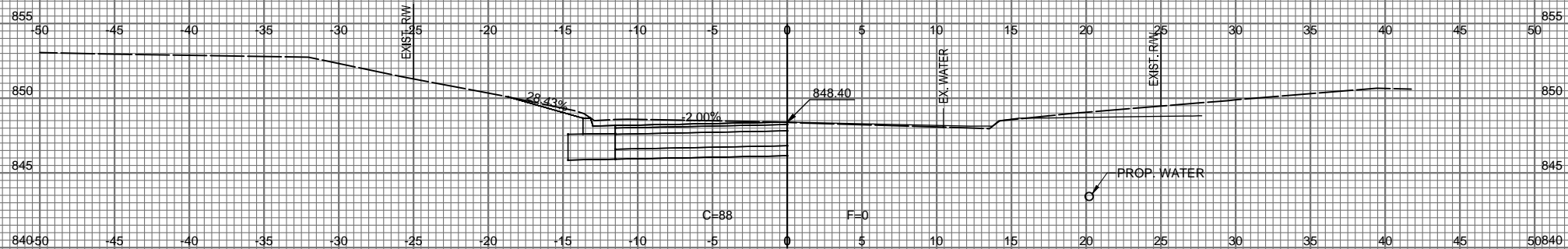
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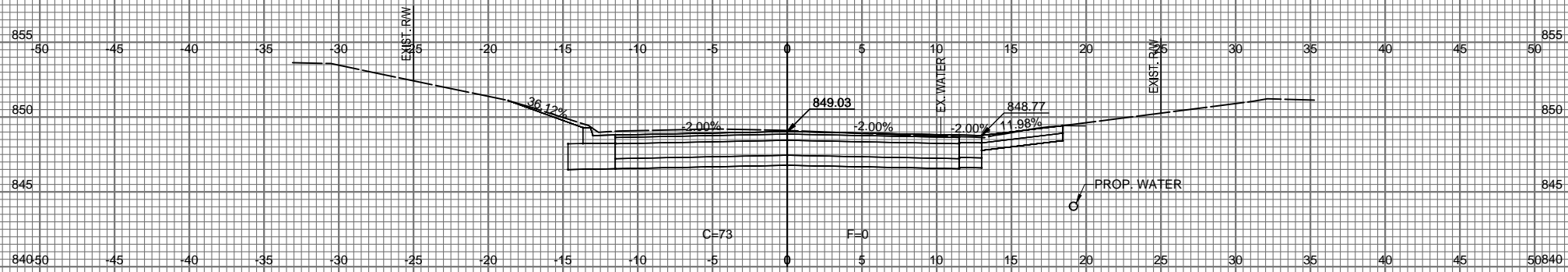
<b>QUEBEC PLACE - CROSS SECTIONS</b>													
PROJECT NUMBERS: 144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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ATLAS PAGE NO: 661 & 768	SHEET 251 OF 308 SHEETS												

REVISION	BY	DATE

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BL - Quebec Pl. - 77th St. 313+87.50



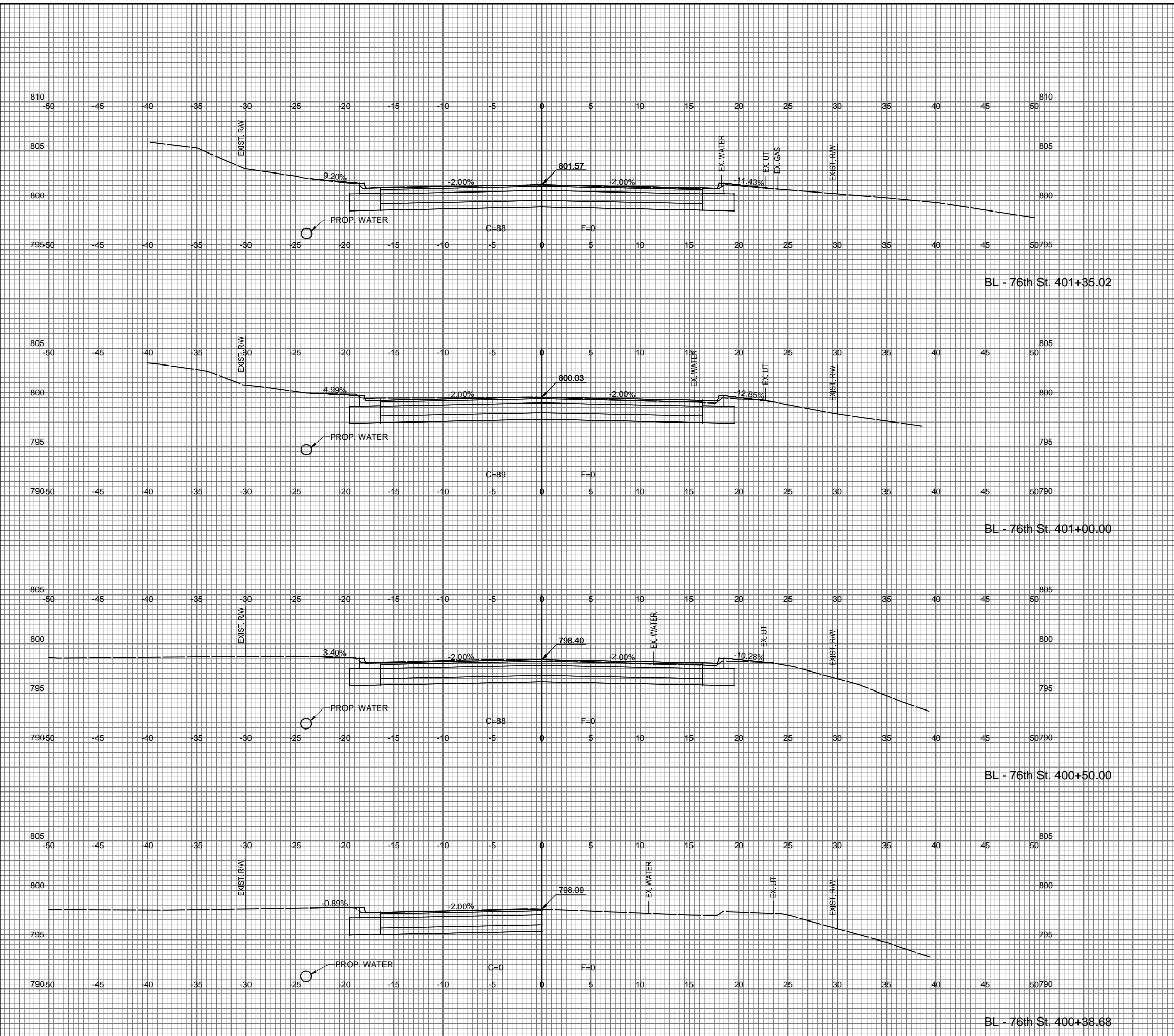
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<b>QUEBEC PLACE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:	
PLAN SCALE:	DRAWN: CP 01/2022	DESIGNED: RJP 01/2022	SURVEY: JRL 06/2018
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ATLAS PAGE NO:	661 & 768	SHEET 252 OF 308 SHEETS	

REVISION	BY	DATE

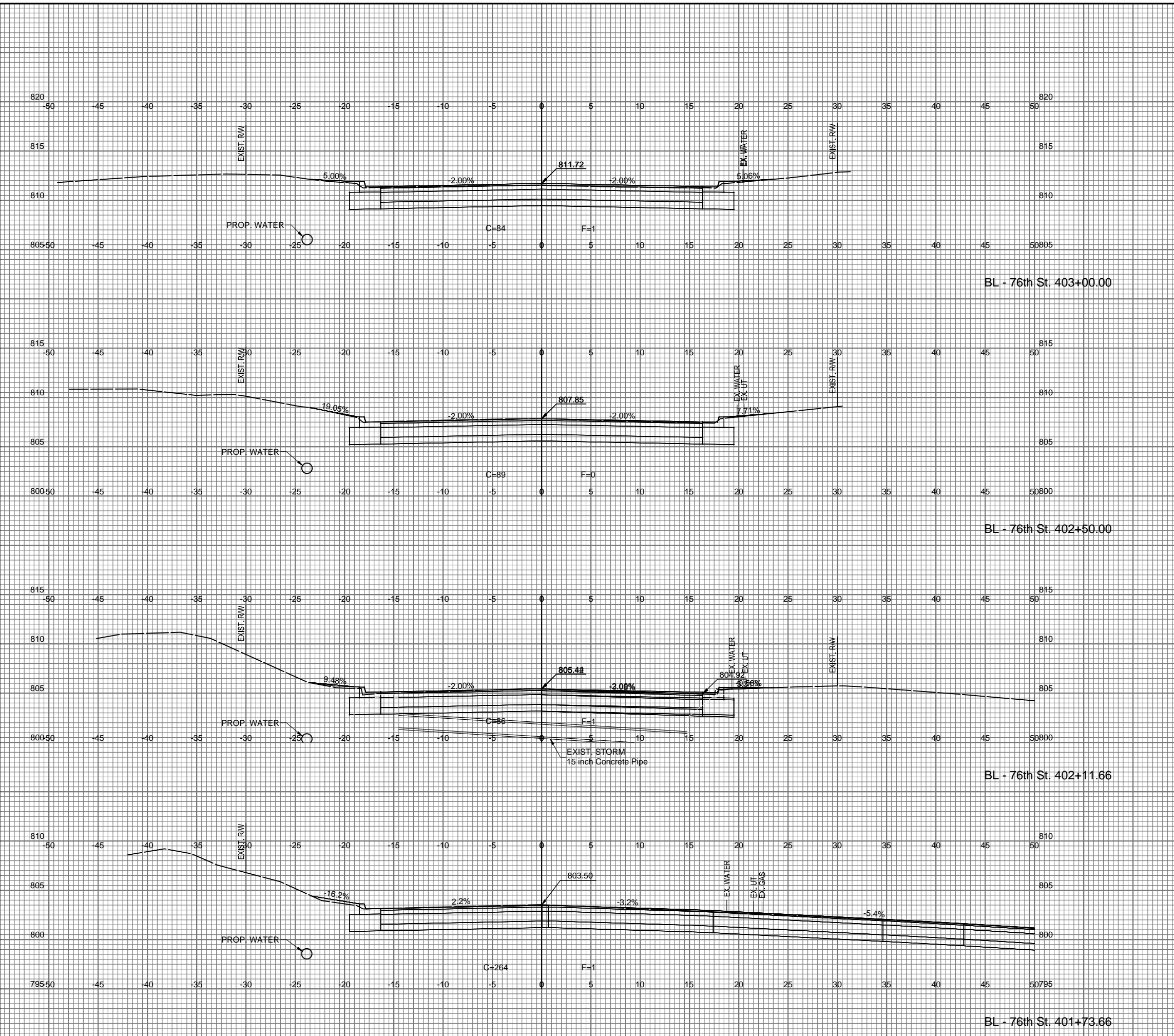
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<b>76TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-9900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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SURVEY	JRL	06/2018	
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO:	661 & 768		SHEET 253 OF 308 SHEETS

REVISION	BY	DATE

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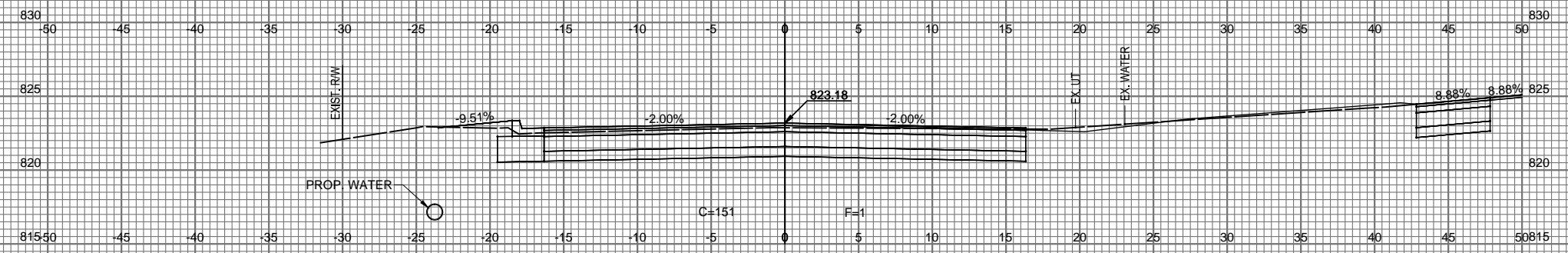


<b>76TH STREET - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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ATLAS PAGE NO: 661 & 768	SHEET 254 OF 308 SHEETS

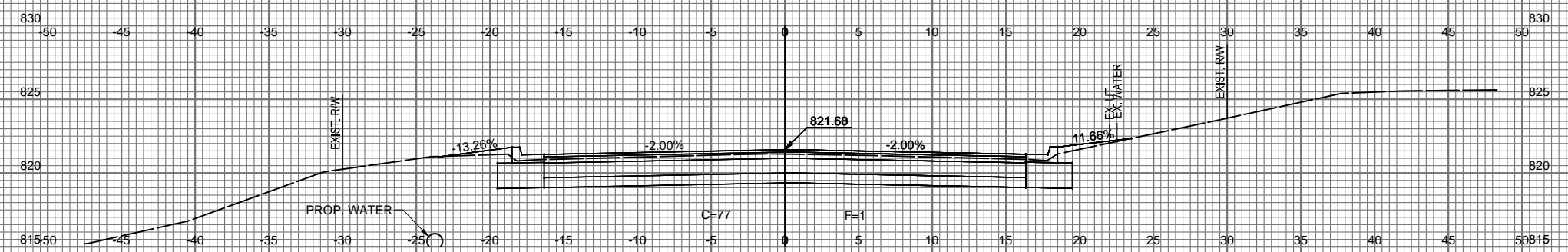
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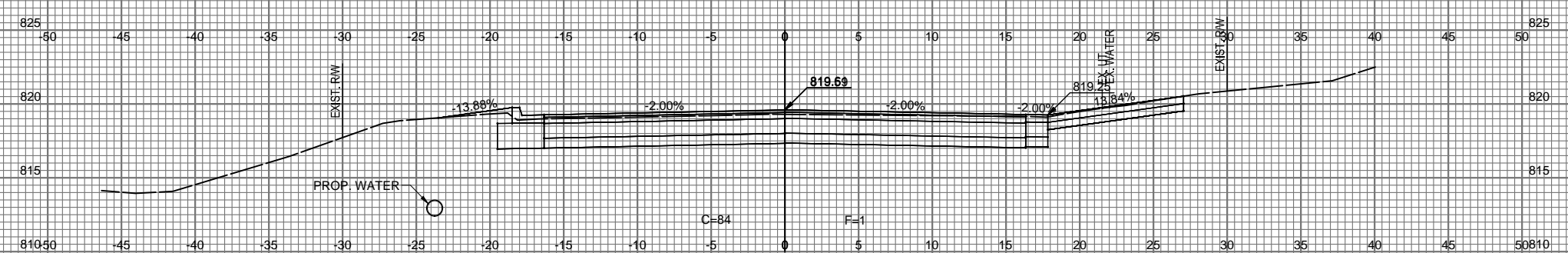
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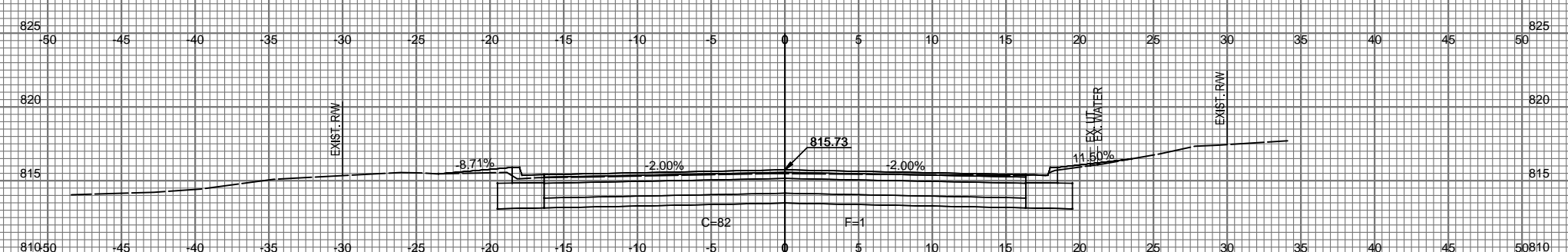
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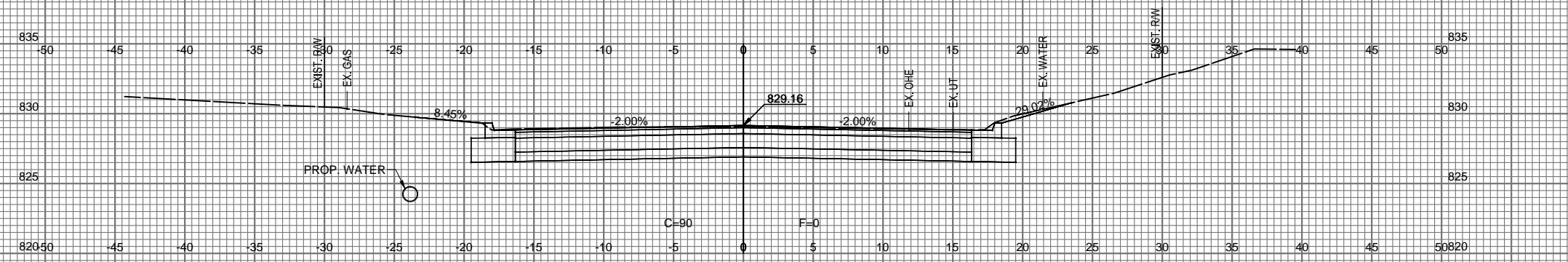


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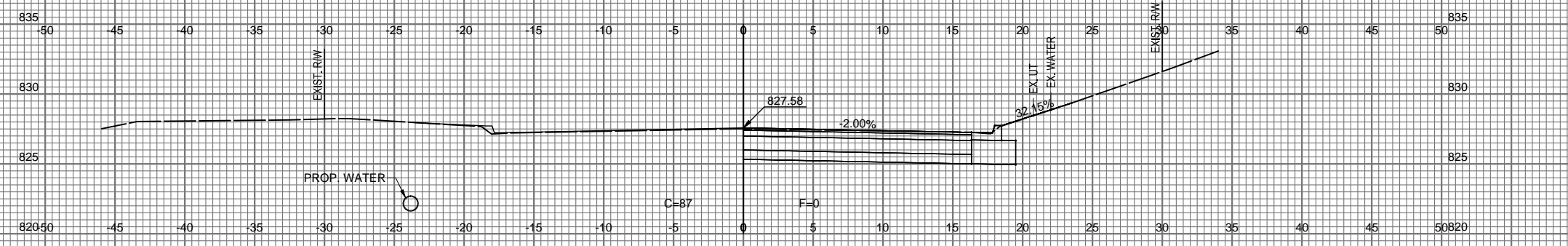
  

<b>76TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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ATLAS PAGE NO: 661 & 768			SHEET 255 OF 308 SHEETS

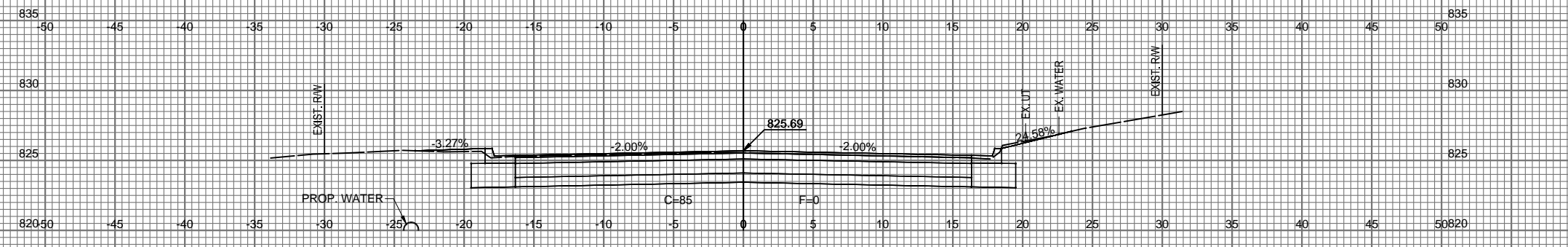
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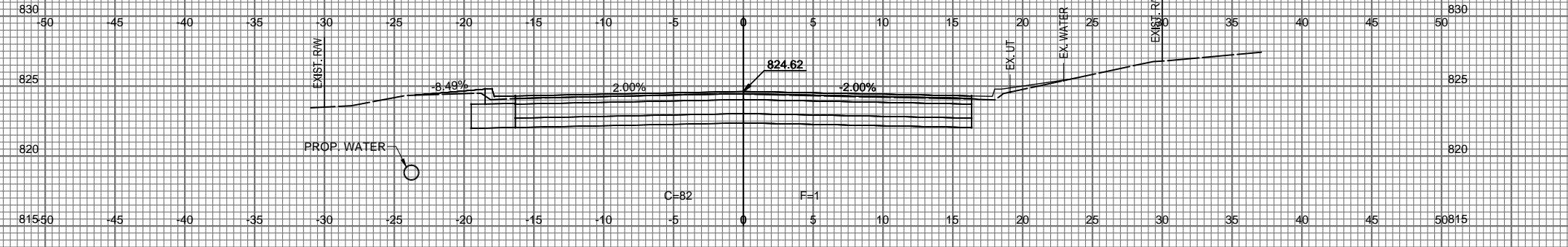
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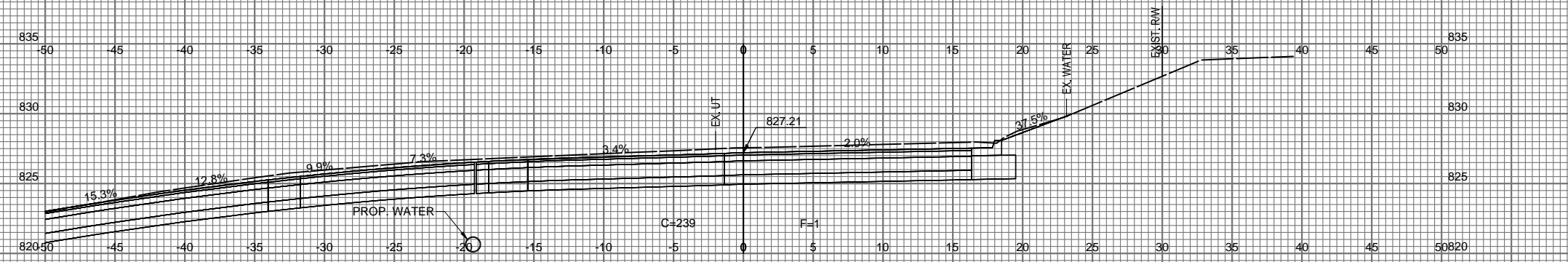
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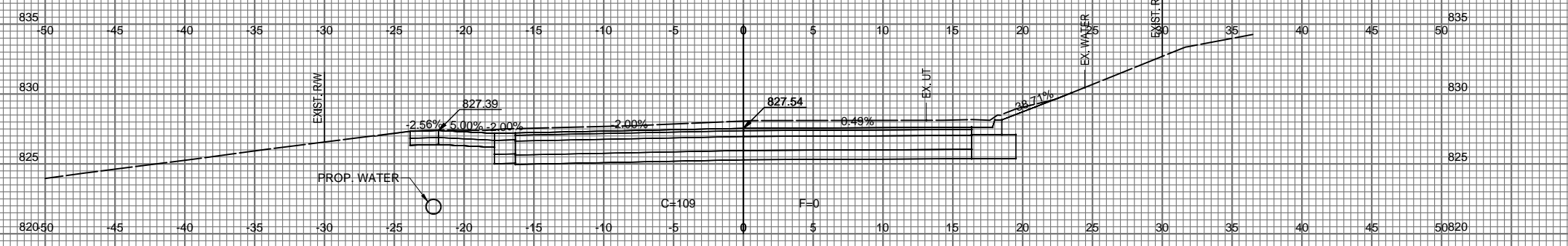
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.pec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
PLAN SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
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VERTICAL: 1" = 5'	RECOMMENDED:		
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO:	661 & 768		SHEET 256 OF 308 SHEETS

REVISION	BY	DATE

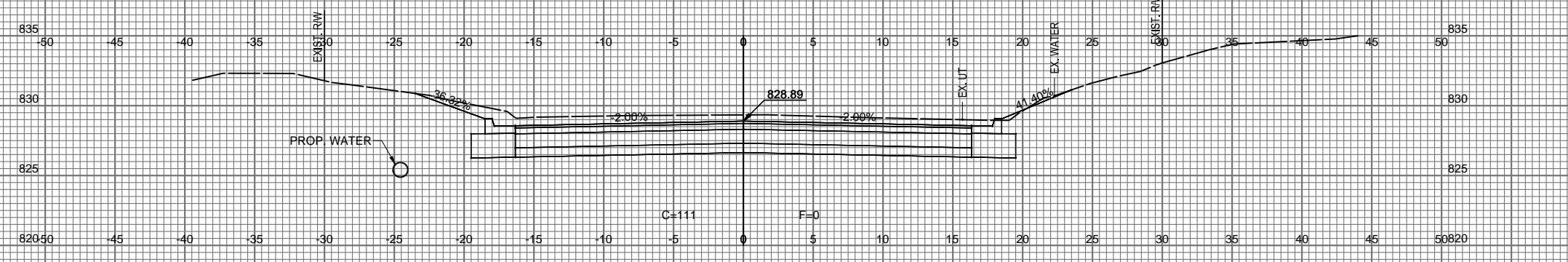
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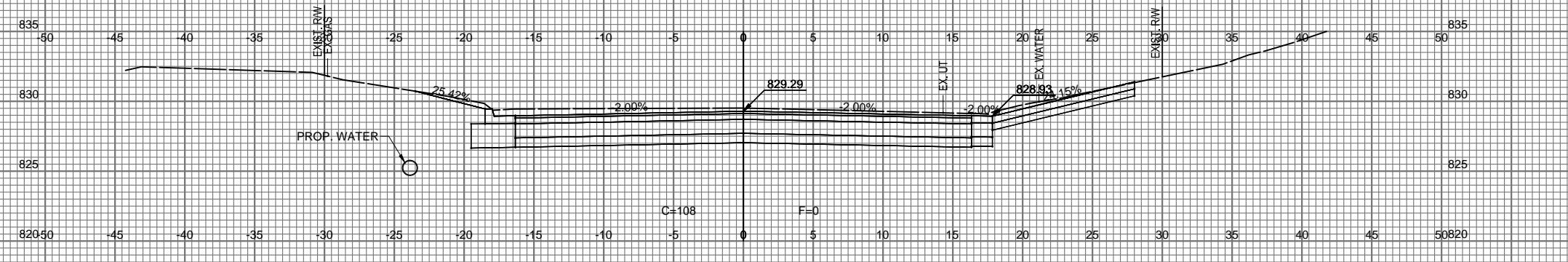
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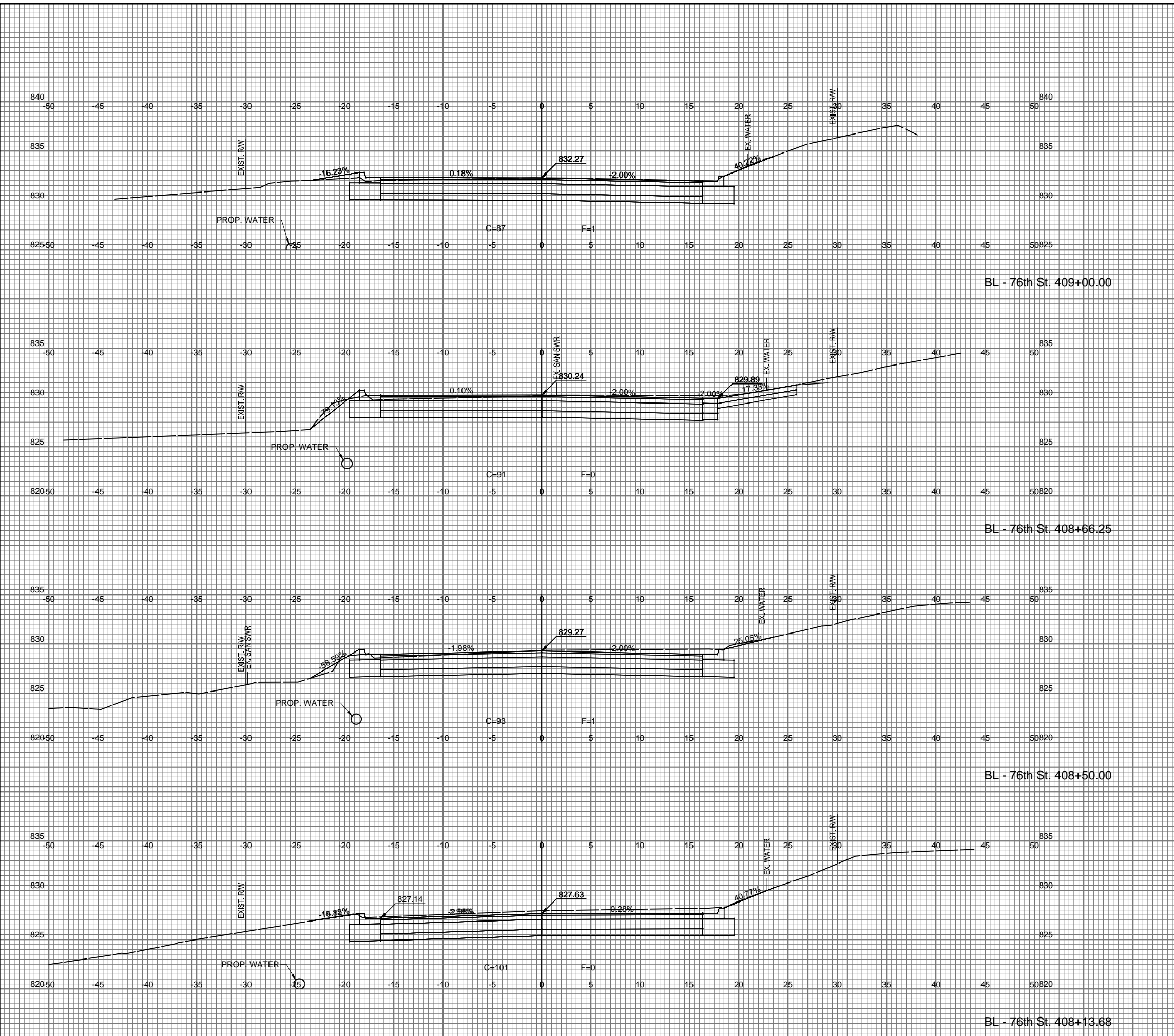


**76TH STREET - CROSS SECTIONS**  
 PROJECT NUMBERS: 144863-S & TMUA-W17-10  
 NON-ARTERIAL STREET REHABILITATION AND  
 WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S  
**CITY OF TULSA, OKLAHOMA**  
 ENGINEERING SERVICES DEPARTMENT

PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023									
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LEAD ENGR.											
FIELD MGR.											
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER									
FILE:	DRAWING:	DATE:									
ATLAS PAGE NO: 661 & 768		SHEET 257 OF 308 SHEETS									

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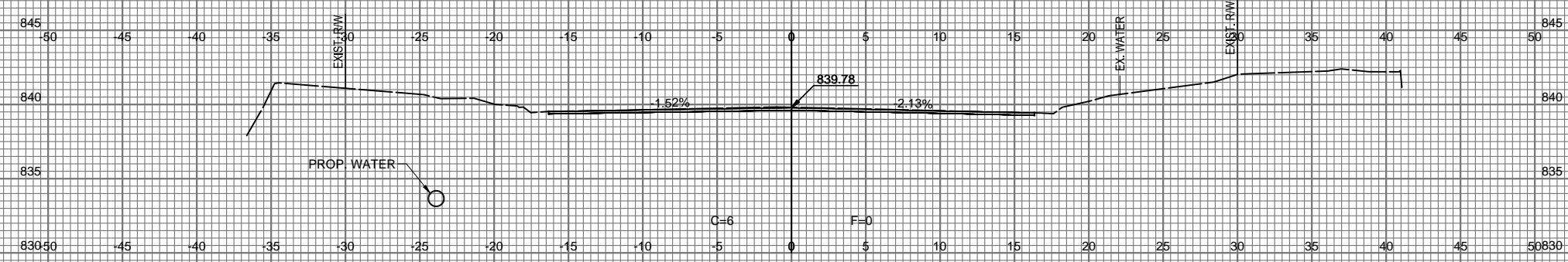
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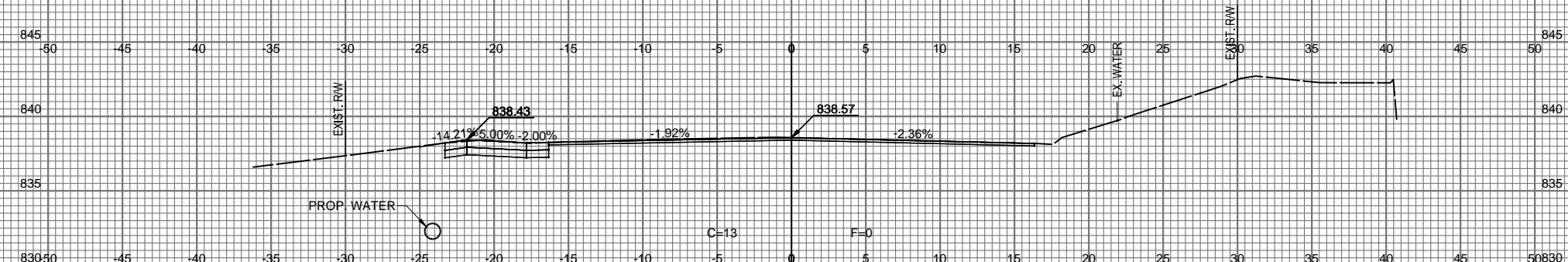
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PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
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SURVEY: JRL 06/2018	
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VERTICAL: 1" = 5'	FIELD MGR.:
RECOMMENDED:	DESIGN MANAGER:
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ATLAS PAGE NO: 661 & 768	DATE:
	CITY ENGINEER:
	SHEET 258 OF 308 SHEETS

REVISION	BY	DATE

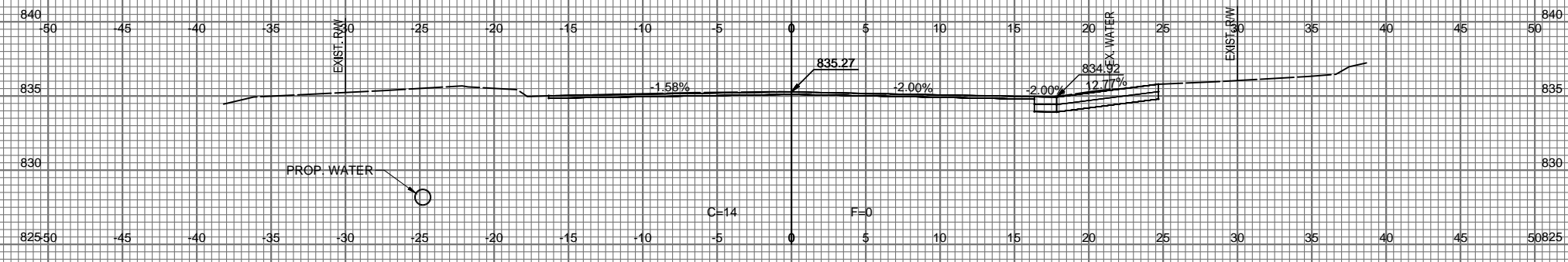
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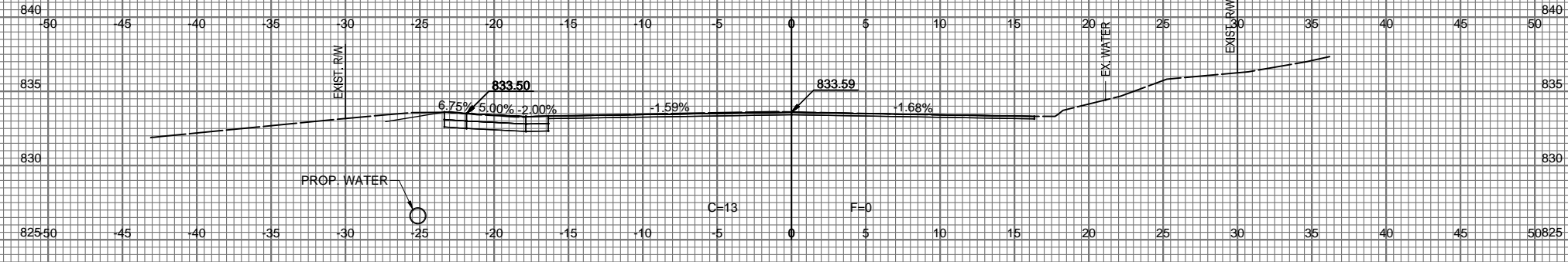
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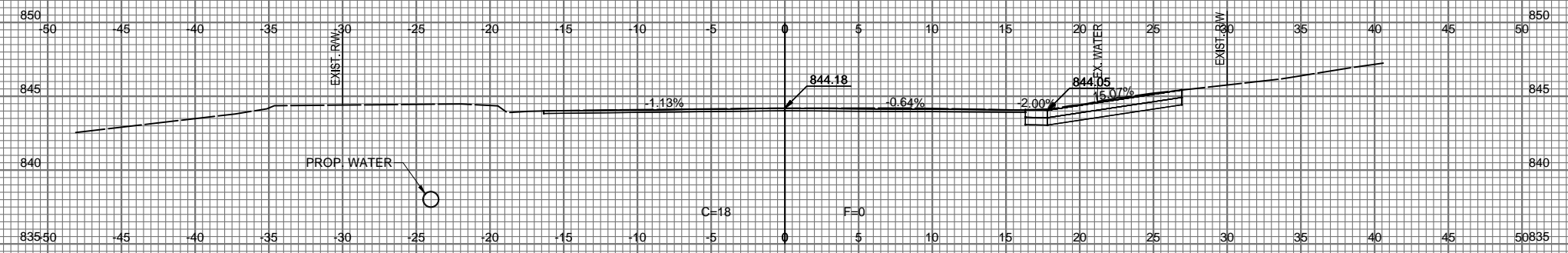
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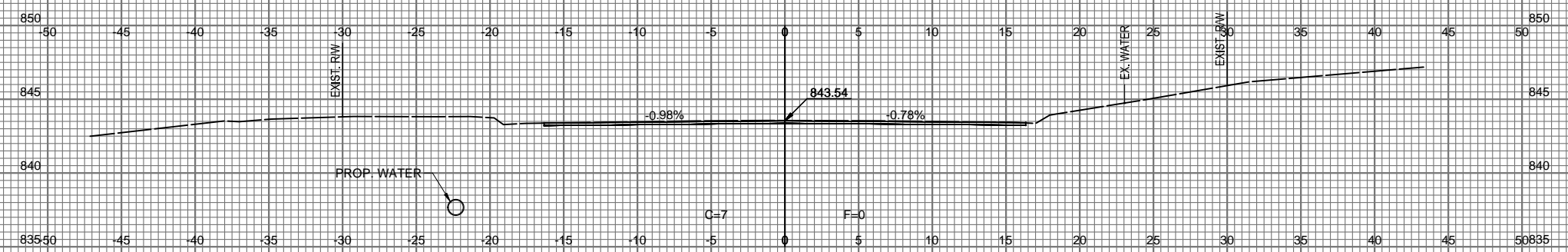
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
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ATLAS PAGE NO: 661 & 768			SHEET 259 OF 308 SHEETS

REVISION	BY	DATE

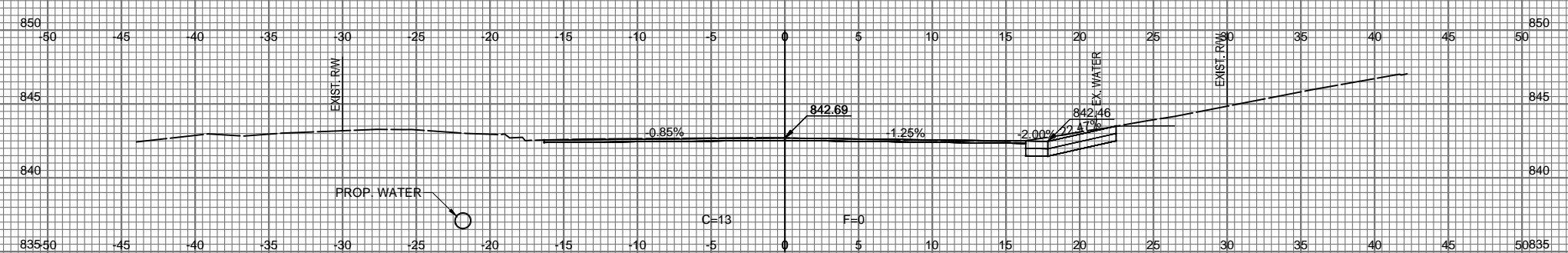
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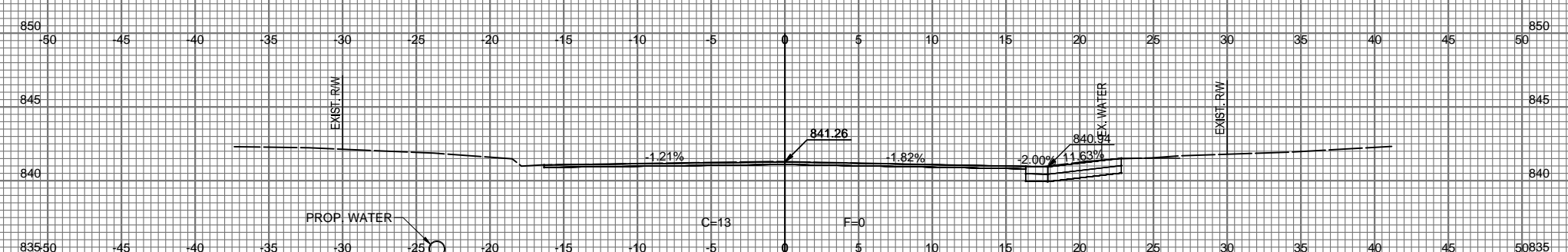
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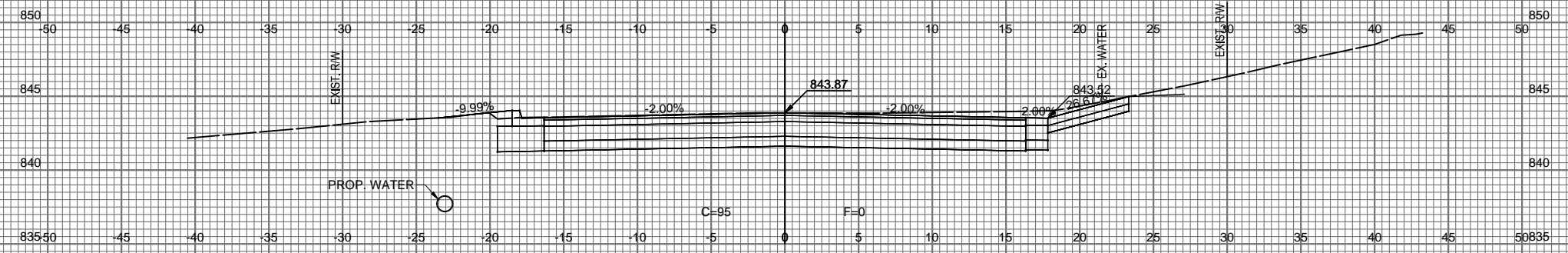
**76TH STREET - CROSS SECTIONS**  
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 NON-ARTERIAL STREET REHABILITATION AND  
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**CITY OF TULSA, OKLAHOMA**  
**ENGINEERING SERVICES DEPARTMENT**

PLANS AND ESTIMATES PREPARED BY: **IPEC** PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 CHEWCHICE BUILDING 4150 S. 100TH E. AVE., SUITE 401  
 TULSA, OK 74116-8900 www.ipec.com  
 C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023

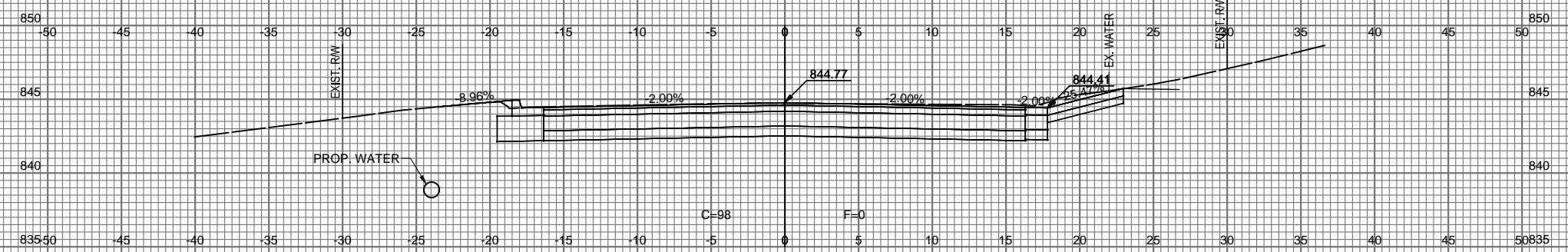
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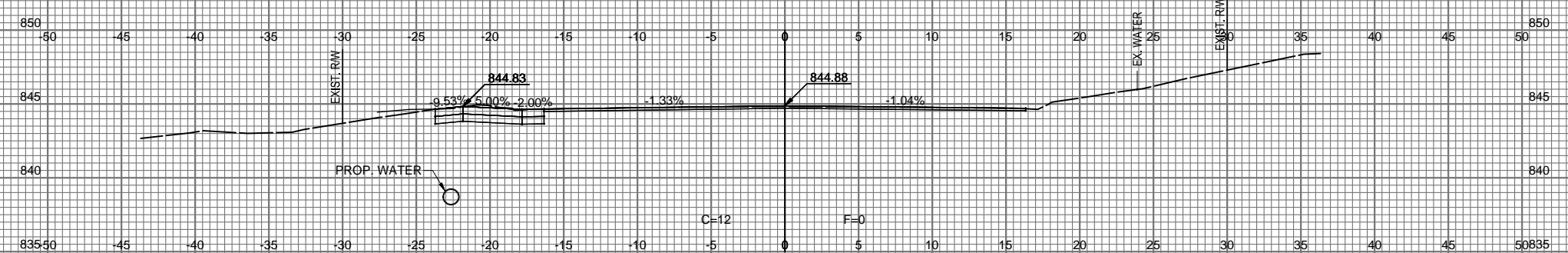
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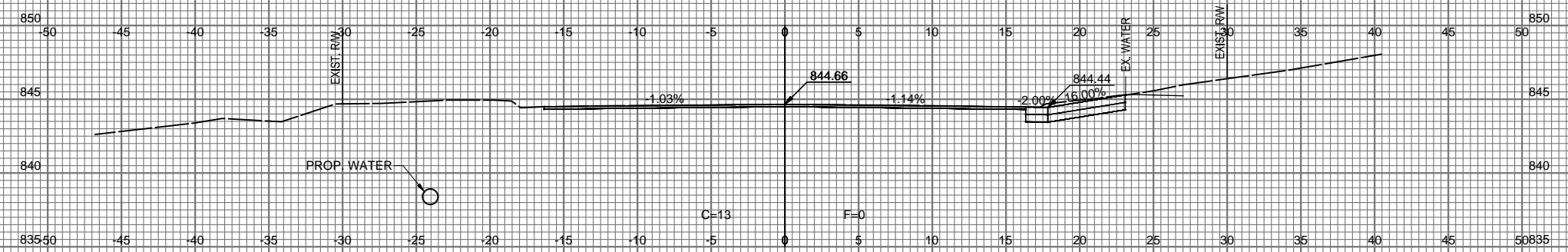
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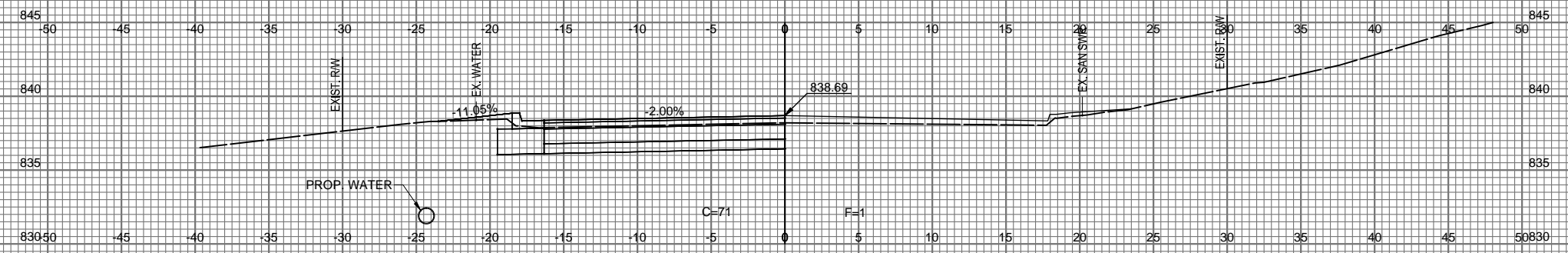
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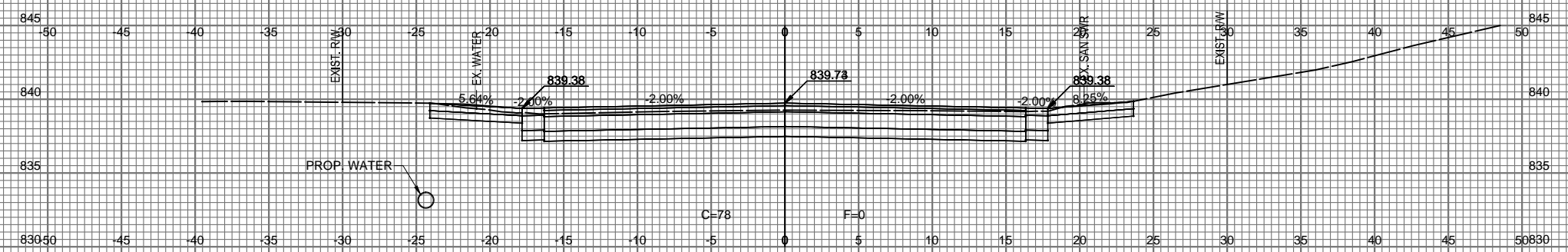
<b>76TH STREET - CROSS SECTIONS</b>			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
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	SURVEY	JRL	06/2018
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1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
1" = 5'	DESIGN MANAGER		
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ATLAS PAGE NO: 661 & 768			DATE:
			SHEET 261 OF 308 SHEETS

REVISION	BY	DATE

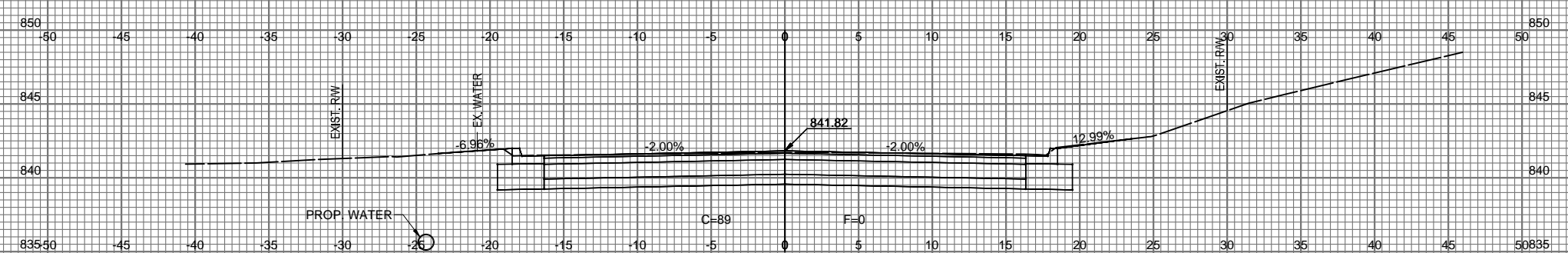
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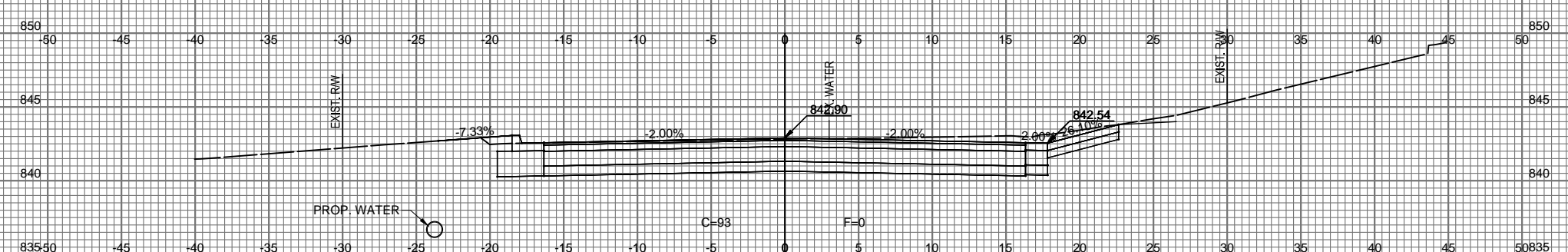
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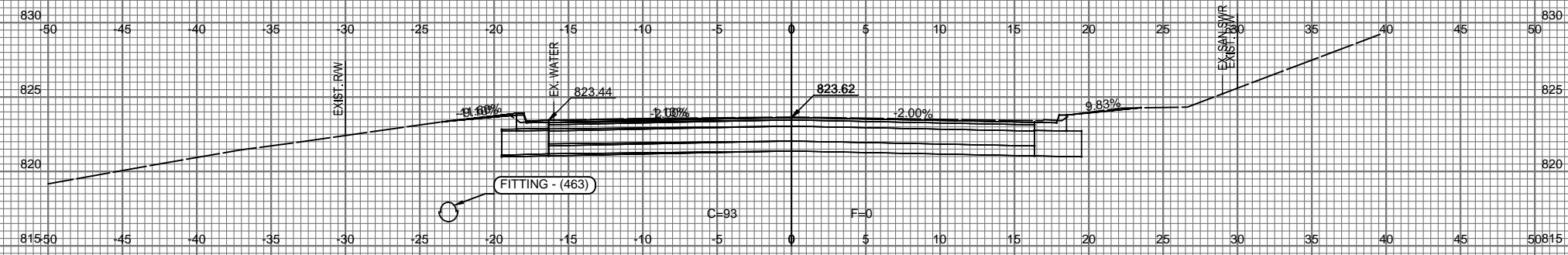
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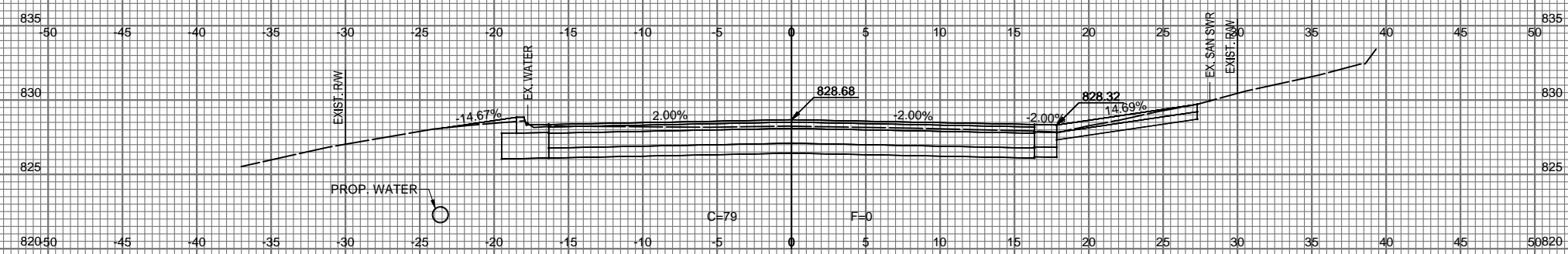
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PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO:	661 & 768		SHEET 262 OF 308 SHEETS



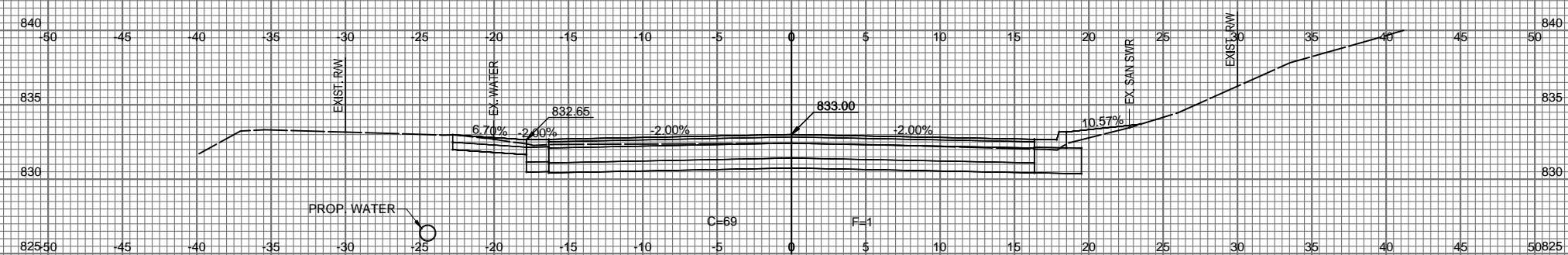
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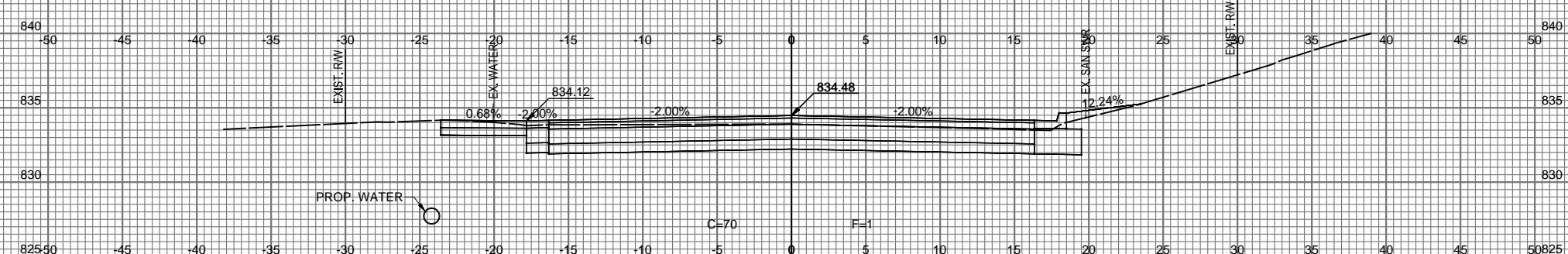
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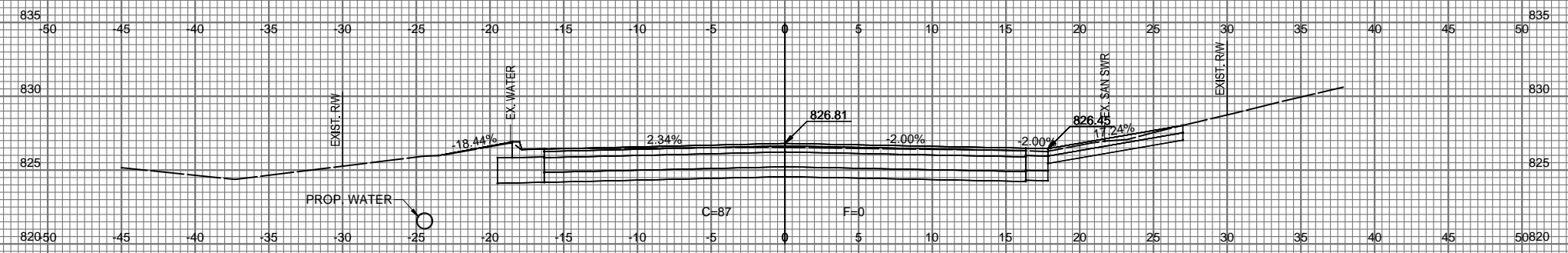
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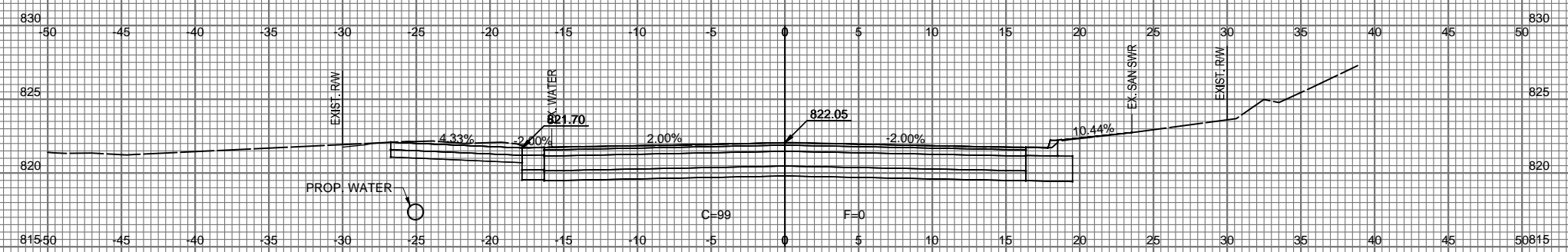
<b>76TH STREET - CROSS SECTIONS</b>													
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S													
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PLAN SCALE:	<table border="1"> <tr> <td>DRAWN</td> <td>CP</td> <td>01/2022</td> <td>APPROVED:</td> </tr> <tr> <td>DESIGNED</td> <td>RJP</td> <td>01/2022</td> <td></td> </tr> <tr> <td>SURVEY</td> <td>JRL</td> <td>06/2018</td> <td></td> </tr> </table>	DRAWN	CP	01/2022	APPROVED:	DESIGNED	RJP	01/2022		SURVEY	JRL	06/2018	
DRAWN	CP	01/2022	APPROVED:										
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REVISION	BY	DATE

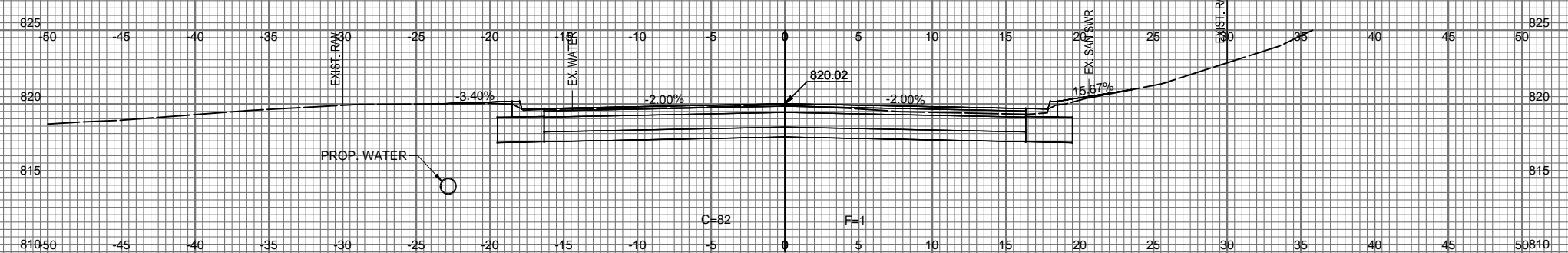
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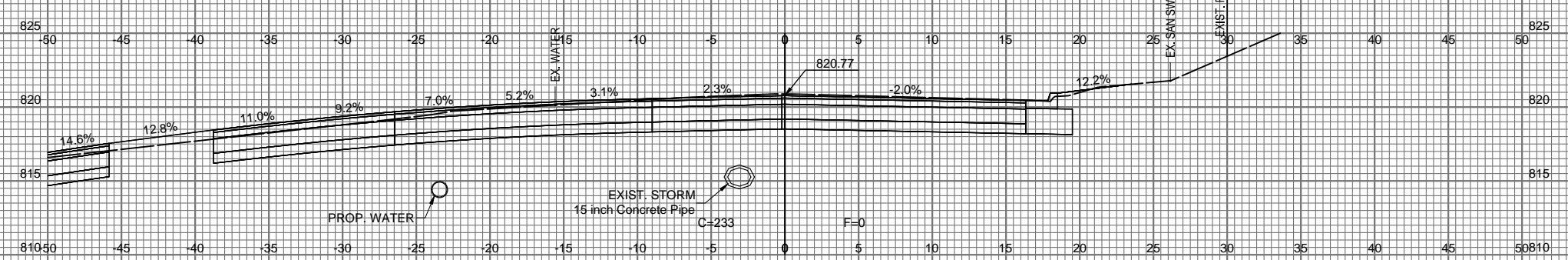
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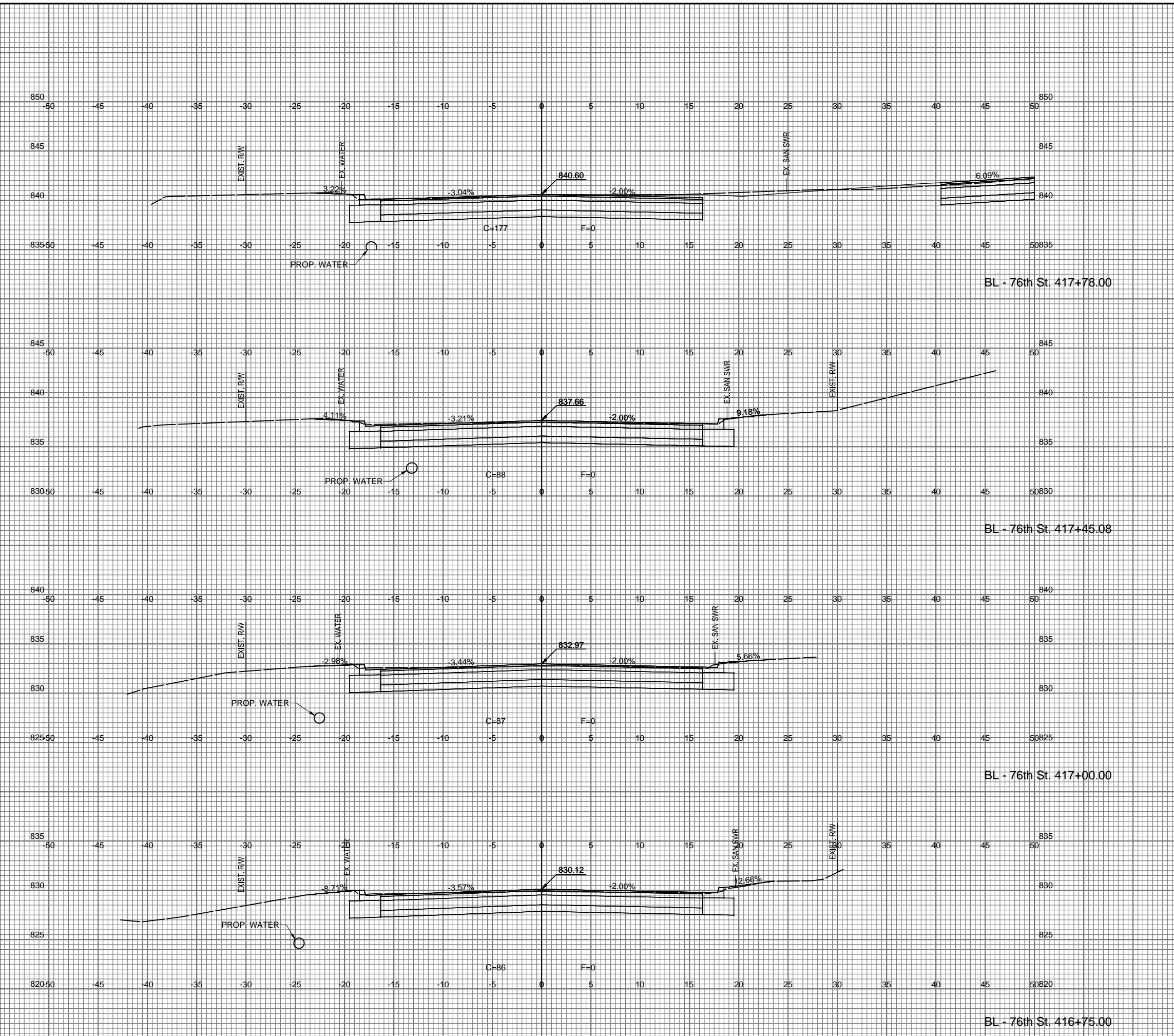
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<b>76TH STREET - CROSS SECTIONS</b>			
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S			
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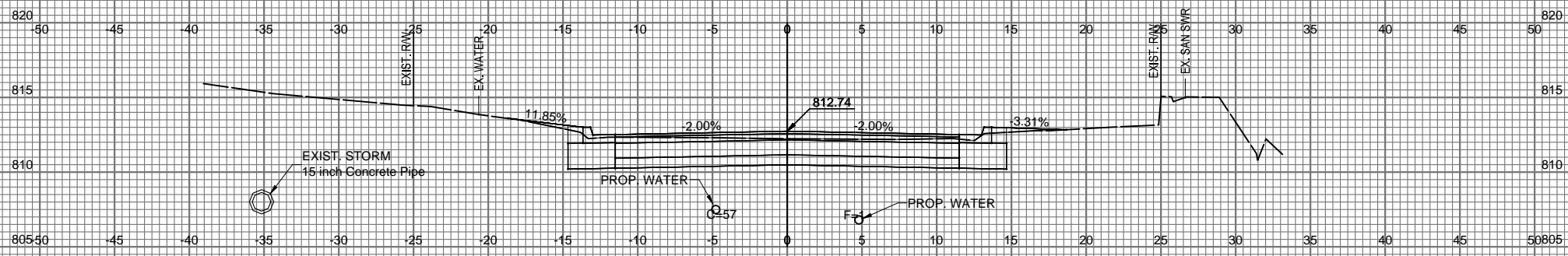


<b>76TH STREET - CROSS SECTIONS</b>															
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PREPARED BY:															
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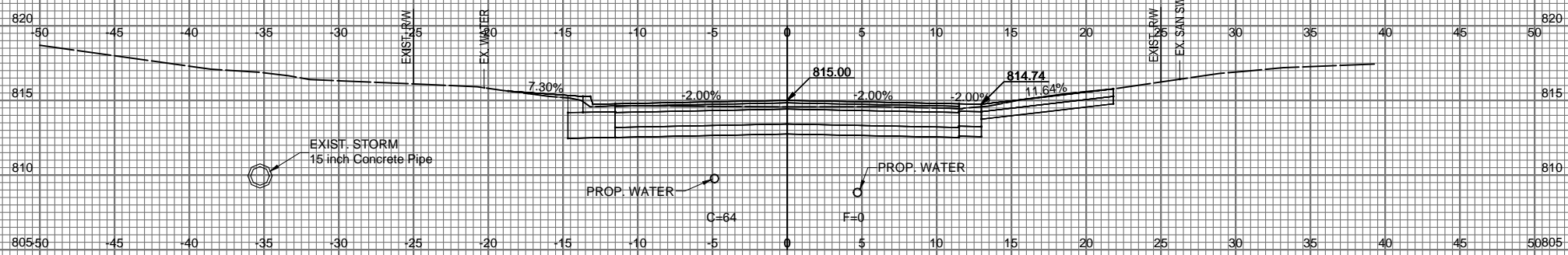
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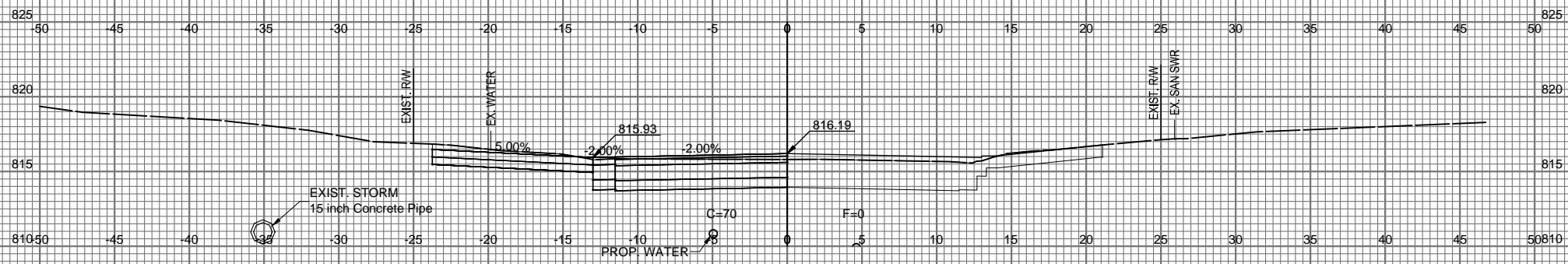
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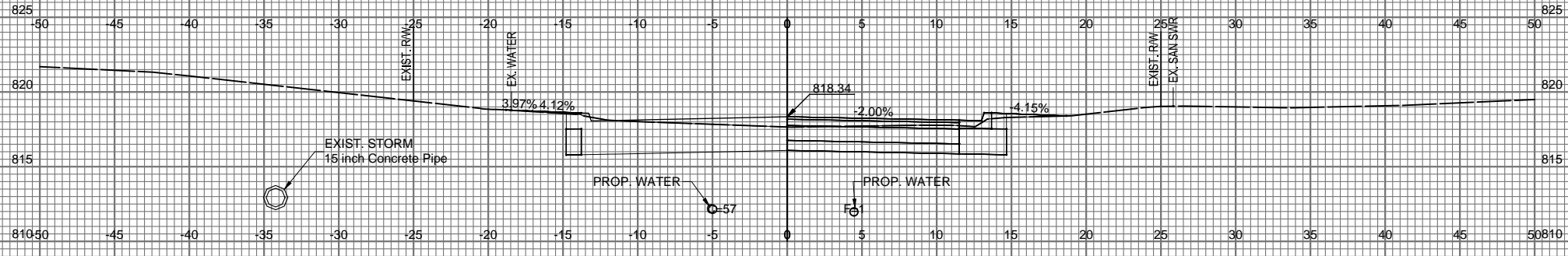
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BL - Sandusky Ave. 2+62.75



BL - Sandusky Ave. 2+55.00



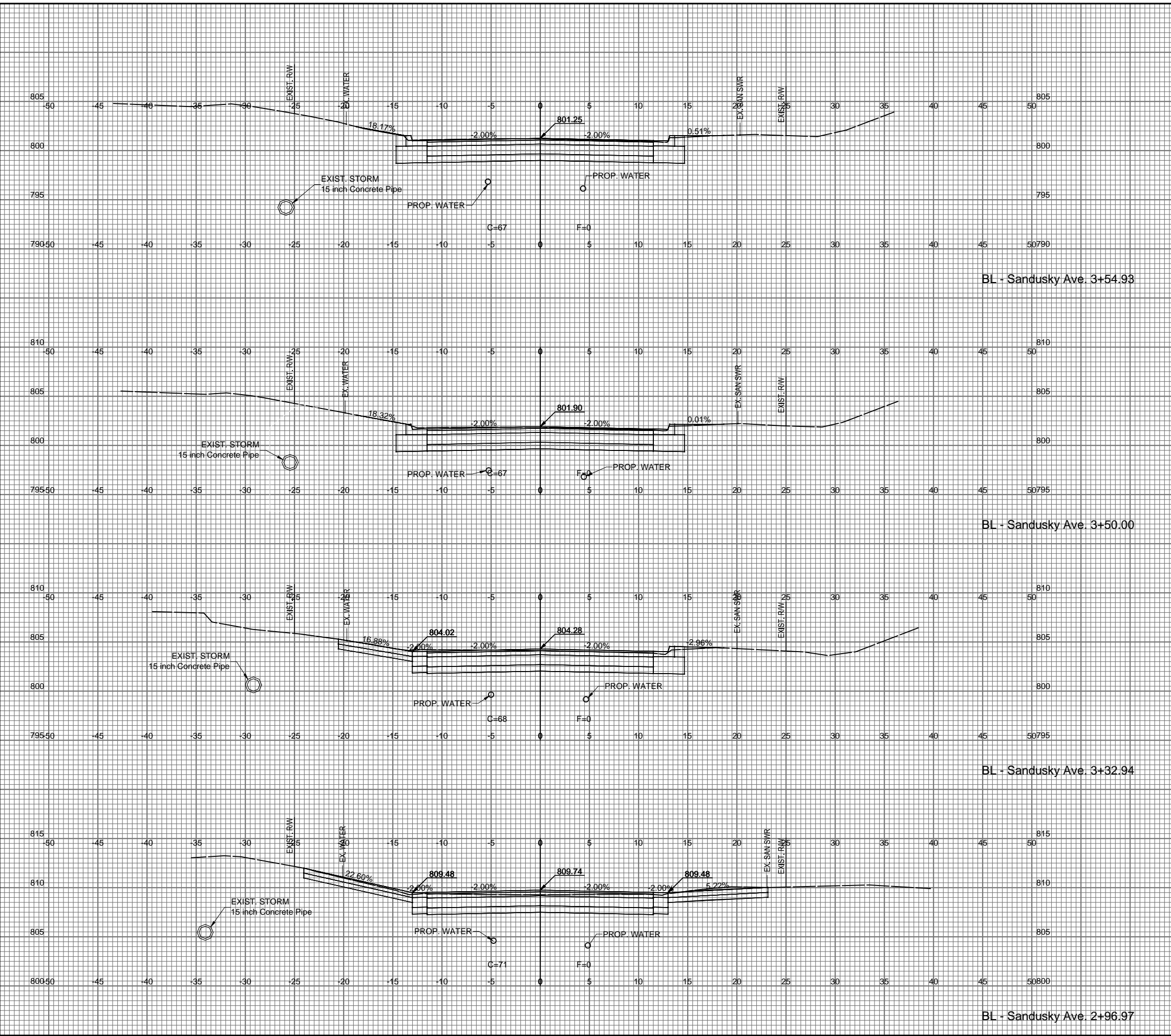
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<b>SANDUSKY AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
PLAN SCALE:	DRAWN	CP	01/2022
	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
PROFILE SCALE:	PROJ. MGR.		
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1" = 20'	FIELD MGR.		
VERTICAL:	RECOMMENDED:		
1" = 5'	DESIGN MANAGER		
FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 267 OF 308 SHEETS

REVISION	BY	DATE

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BL - Sandusky Ave. 3+54.93

BL - Sandusky Ave. 3+50.00

BL - Sandusky Ave. 3+32.94

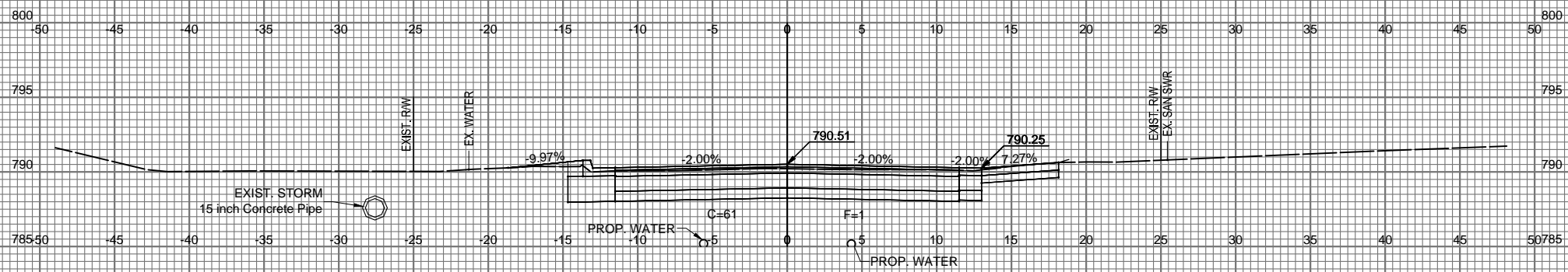
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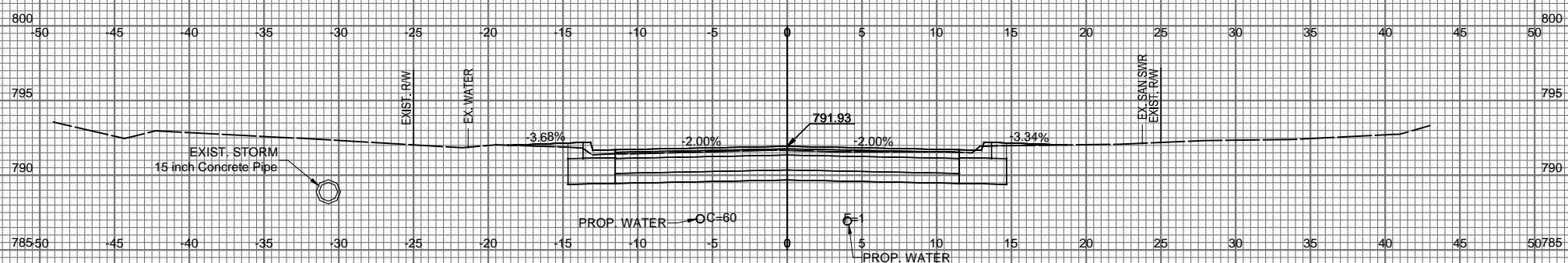
<b>SANDUSKY AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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SURVEY	JRL	06/2018	
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FILE:	DRAWING:		DATE:
ATLAS PAGE NO: 661 & 768			SHEET 268 OF 308 SHEETS

REVISION	BY	DATE

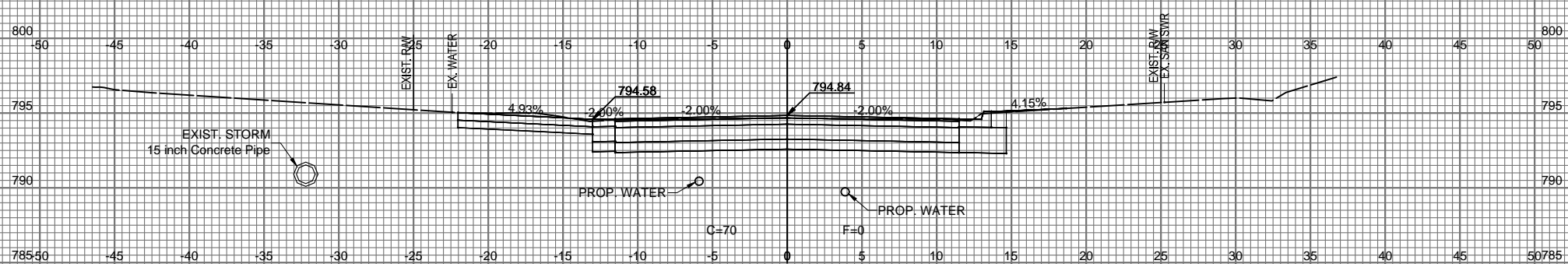
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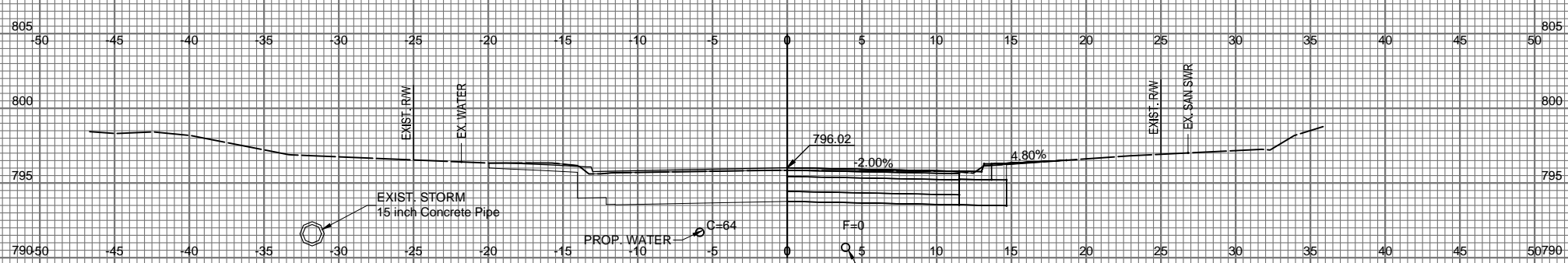
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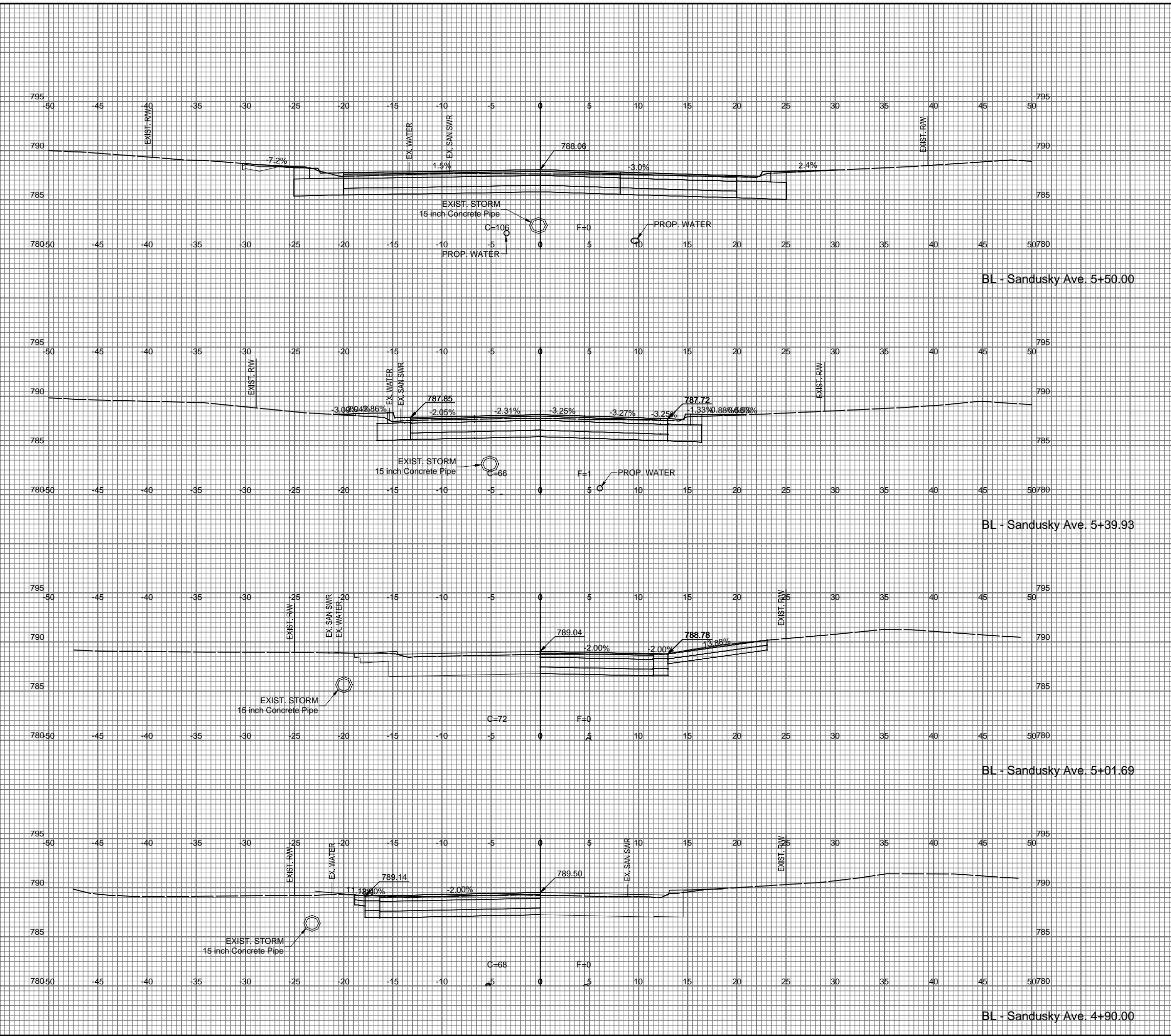
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<b>SANDUSKY AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 484-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>		
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REVISION	BY	DATE

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BL - Sandusky Ave. 5+50.00

BL - Sandusky Ave. 5+39.93

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BL - Sandusky Ave. 4+90.00

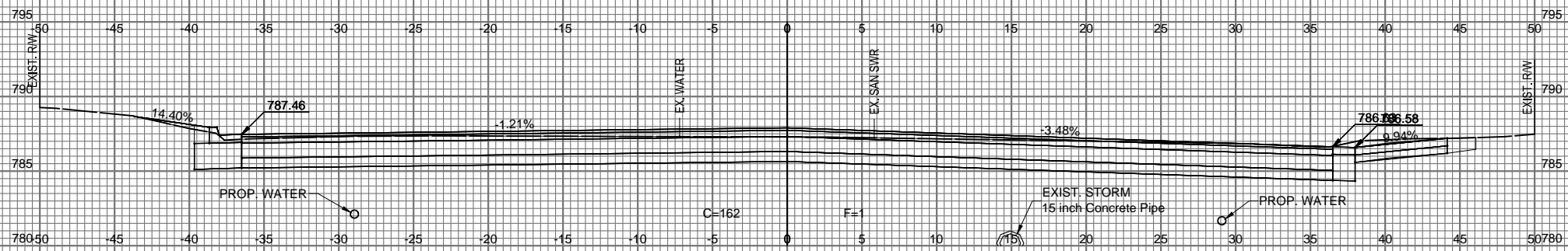


<b>SANDUSKY AVENUE – CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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REVISION	BY	DATE



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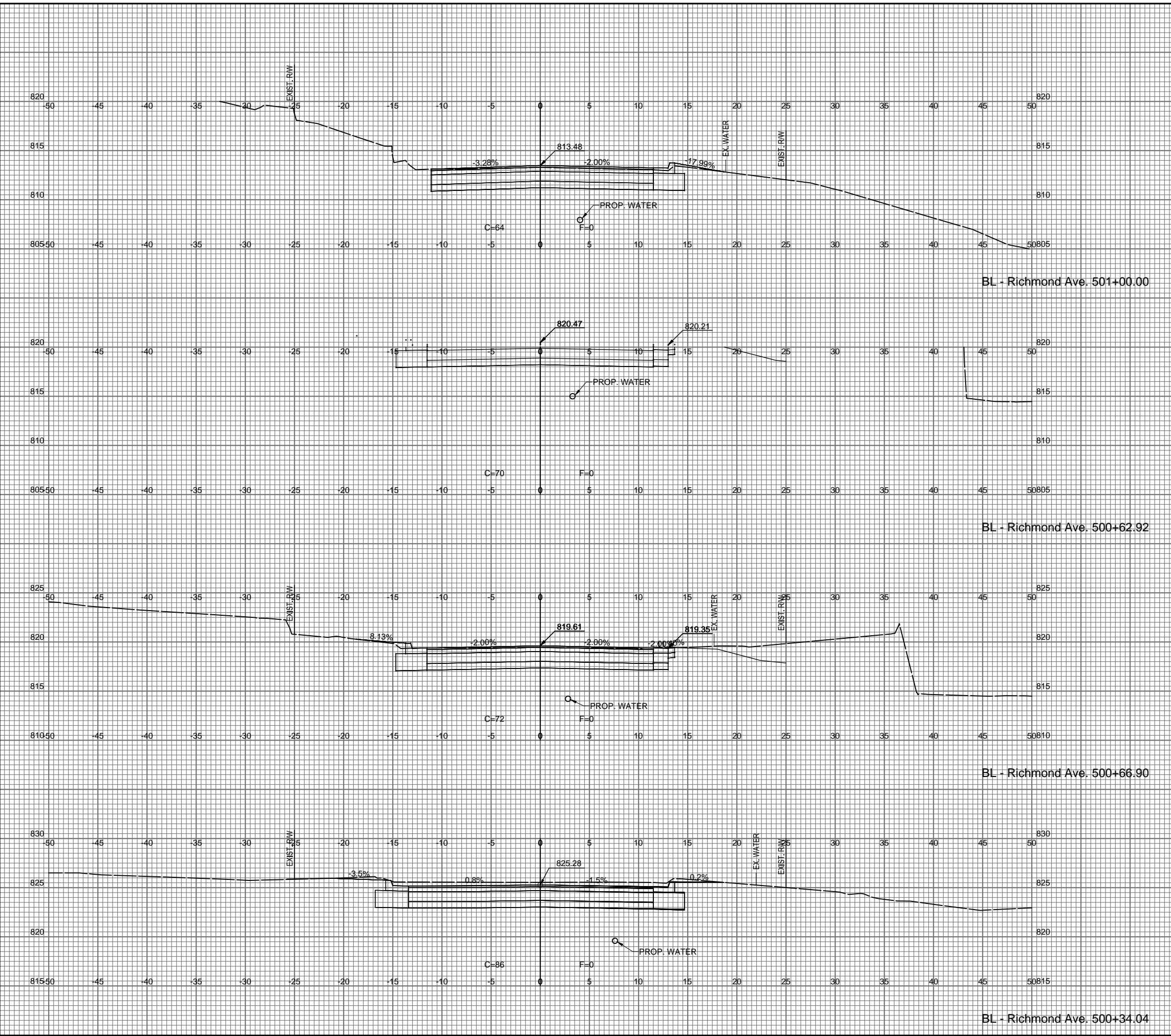
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<b>SANDUSKY AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6700 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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REVISION	BY	DATE

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BL - Richmond Ave. 501+00.00

BL - Richmond Ave. 500+62.92

BL - Richmond Ave. 500+66.90

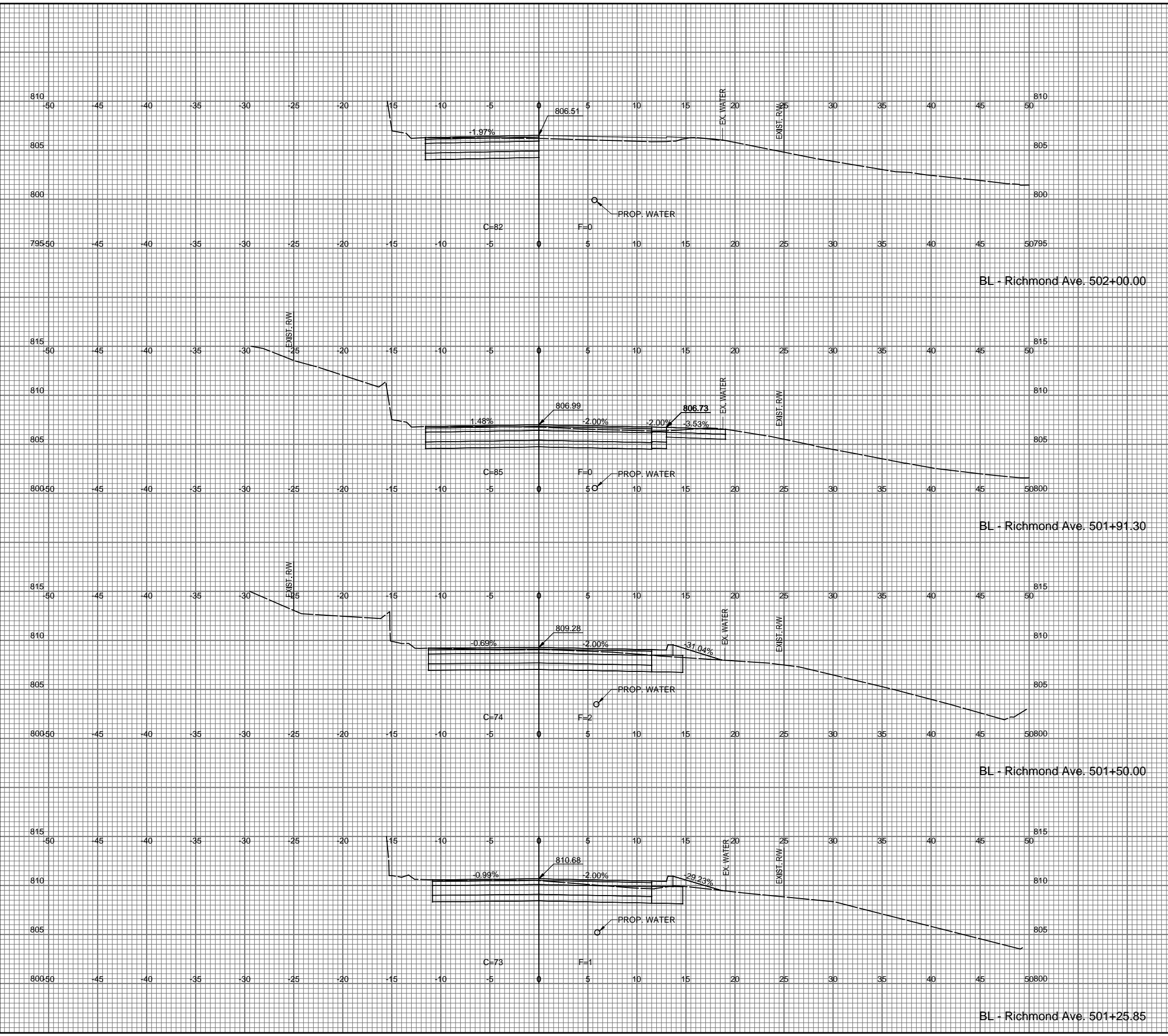
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<b>RICHMOND AVENUE - CROSS SECTIONS</b>			
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023		
PREPARED BY:			
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	DESIGNED	RJP	01/2022
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REVISION	BY	DATE

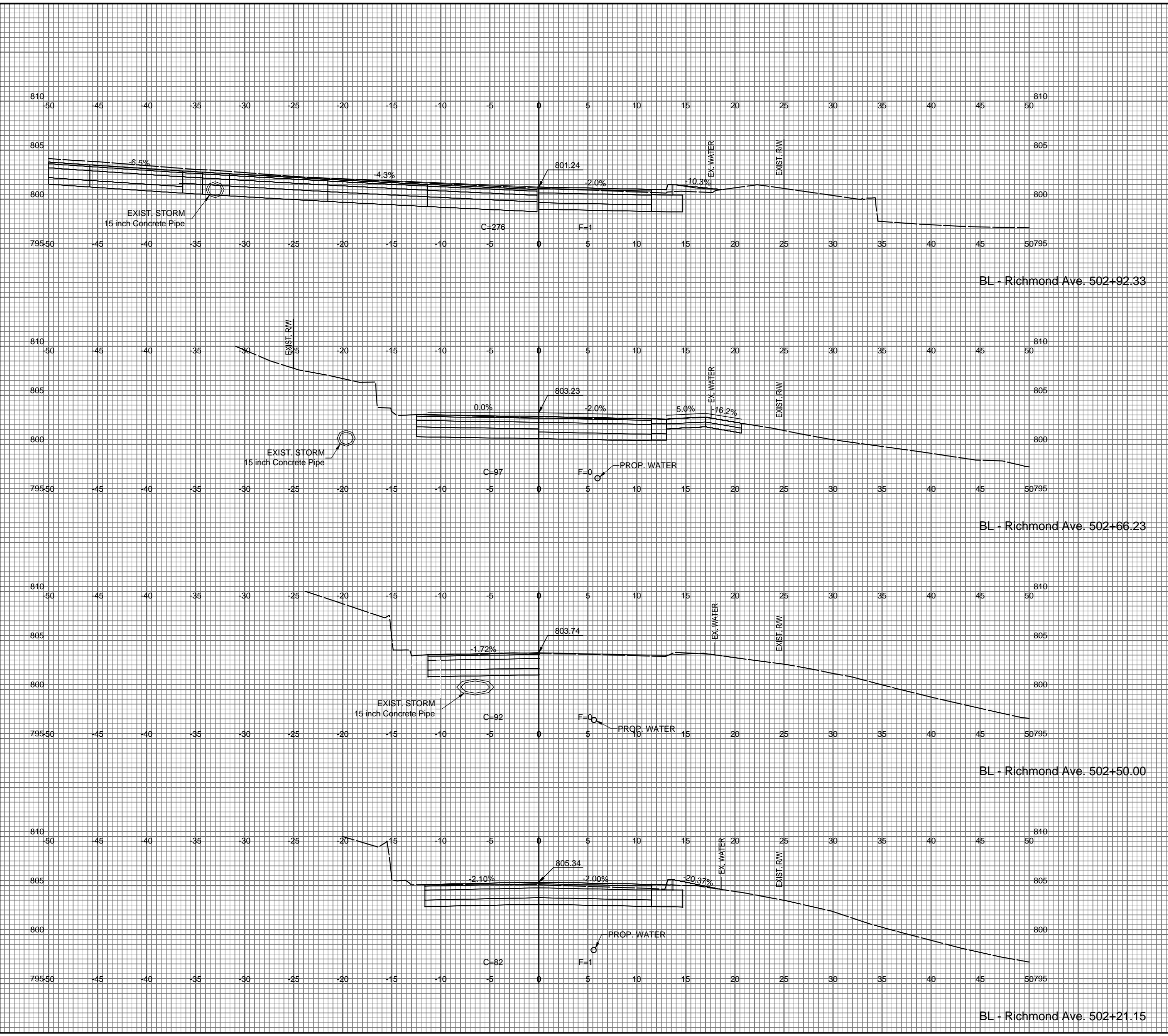
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<b>RICHMOND AVENUE - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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	SHEET 273 OF 308 SHEETS

REVISION	BY	DATE

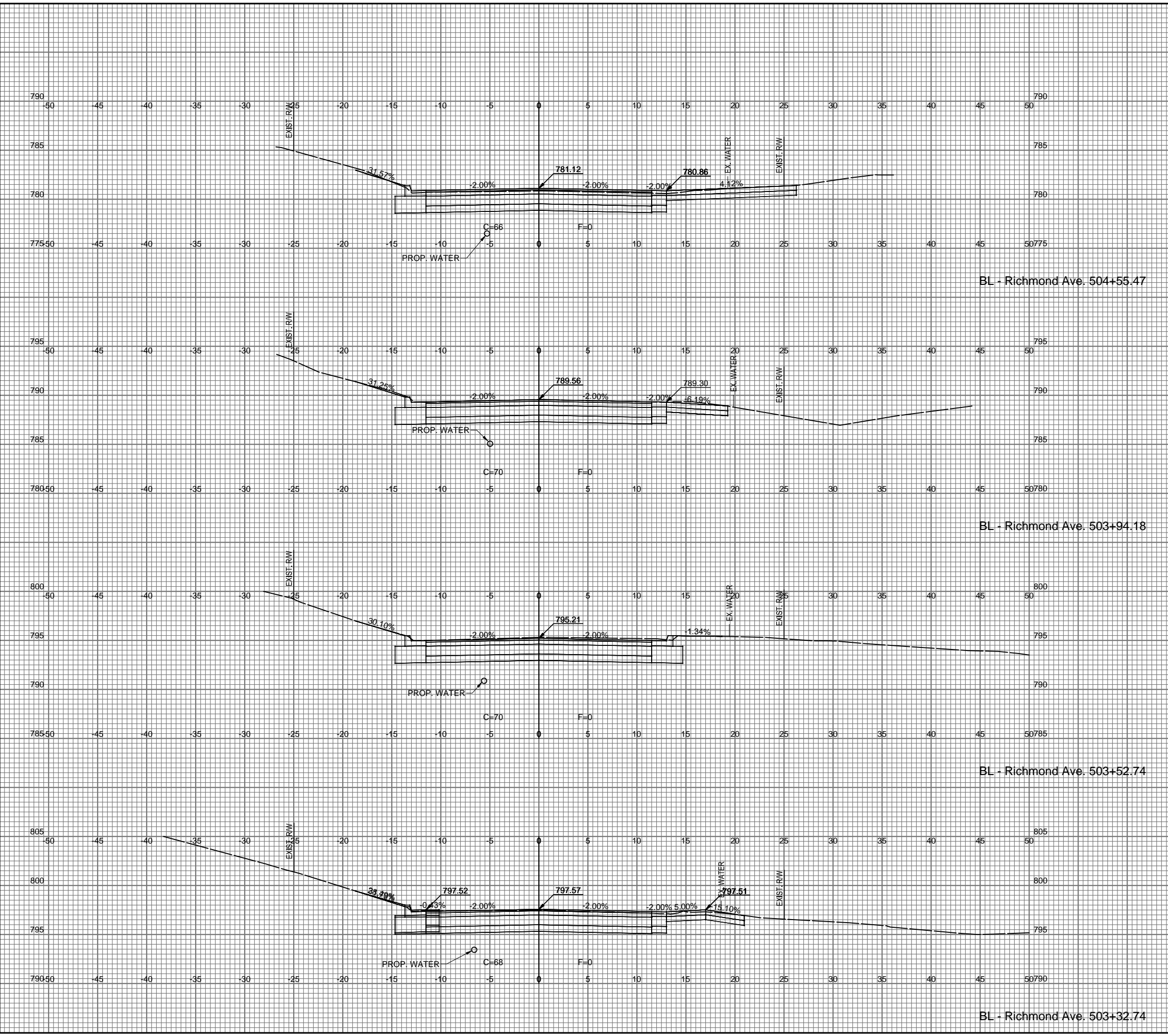
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<b>RICHMOND AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:		PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	
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REVISION	BY	DATE

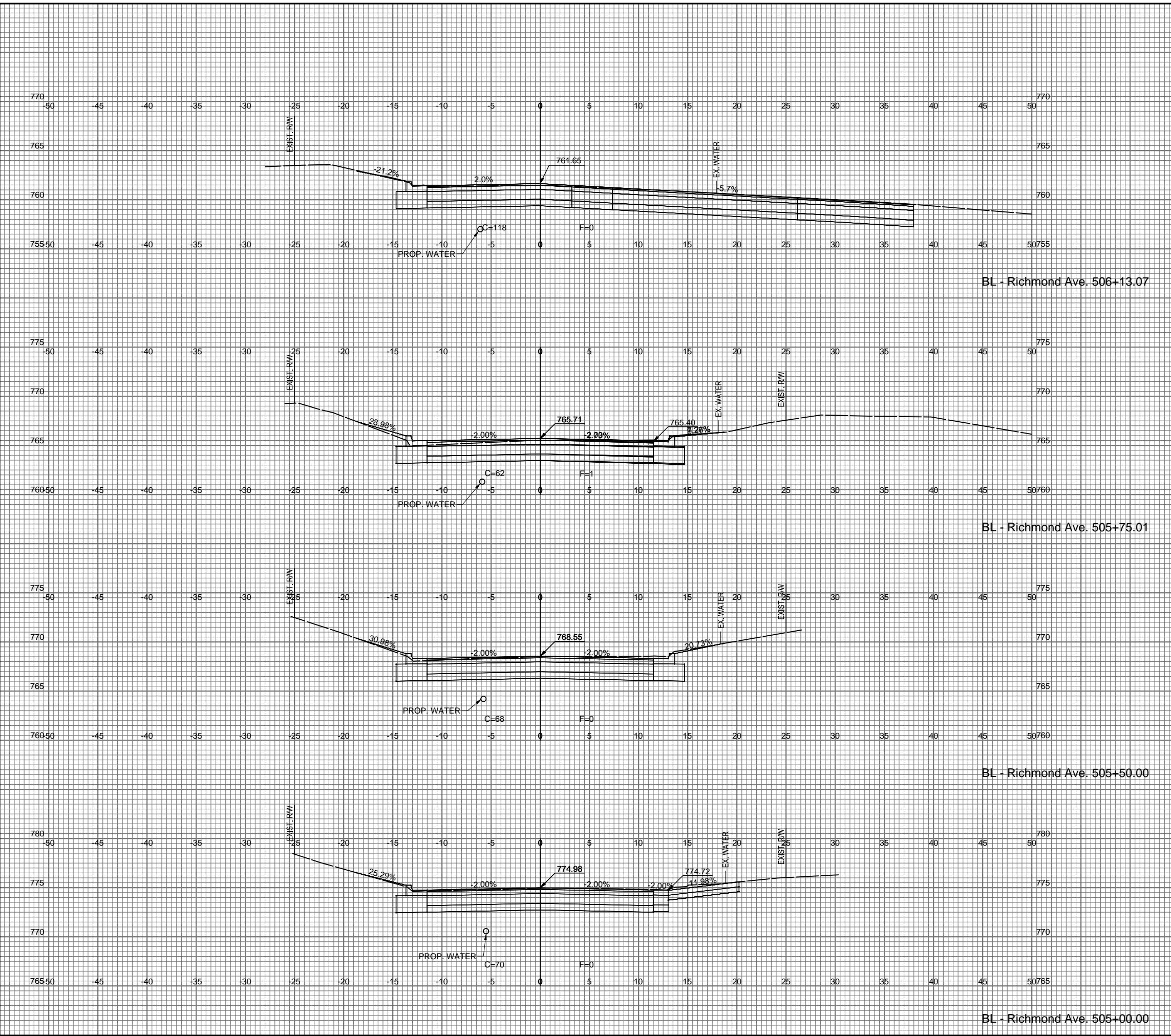
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<b>RICHMOND AVENUE – CROSS SECTIONS</b>													
PROJECT NUMBERS: 144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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ATLAS PAGE NO: 661 & 768	DATE:												
	SHEET 275 OF 308 SHEETS												

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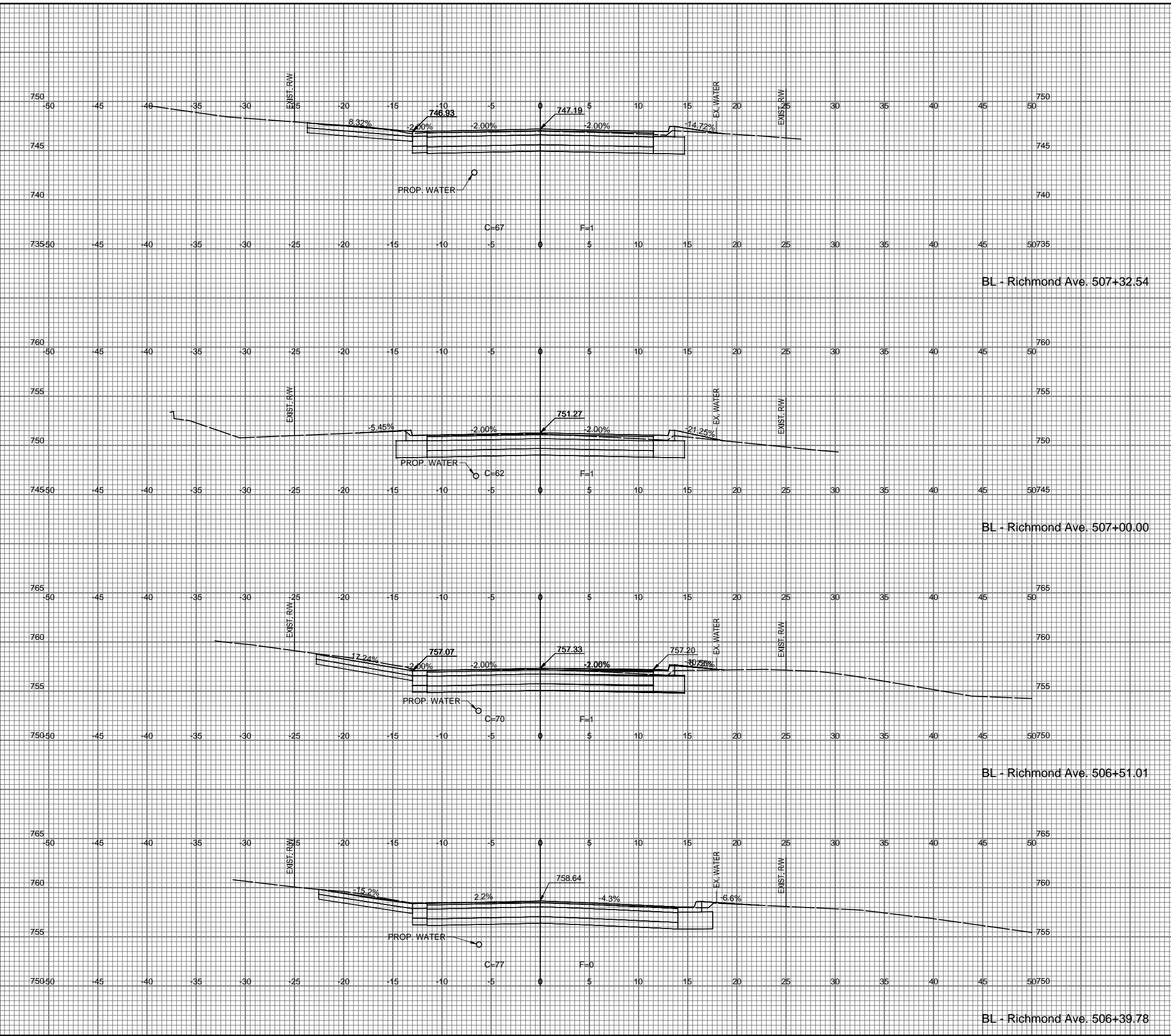
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<b>RICHMOND AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 (918) 486-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	FILE:	DRAWING:	DATE:
ATLAS PAGE NO: 661 & 768	SHEET 276 OF 308 SHEETS		

REVISION	BY	DATE

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BL - Richmond Ave. 507+32.54

BL - Richmond Ave. 507+00.00

BL - Richmond Ave. 506+51.01

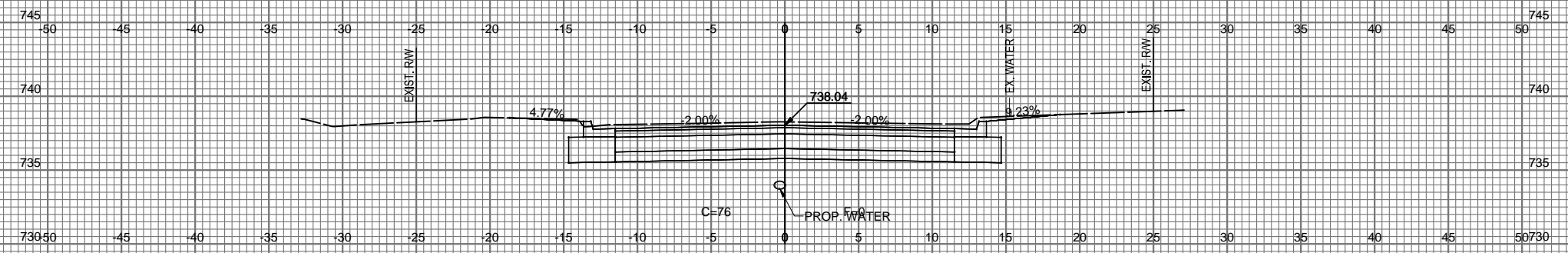
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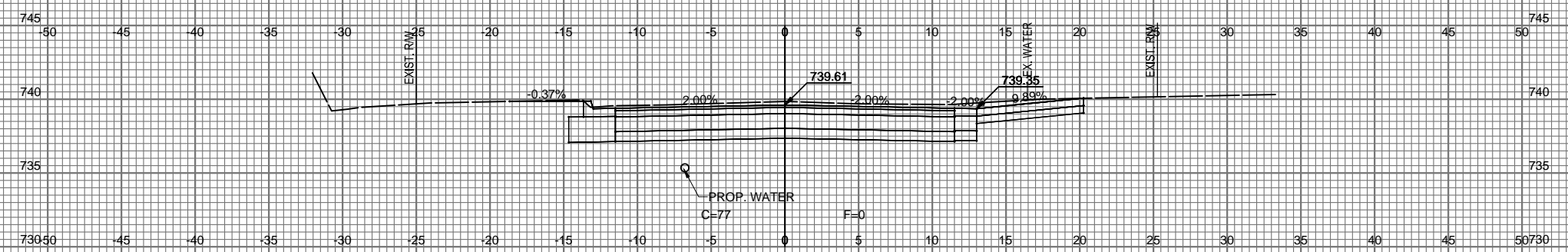
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PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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	SHEET 277 OF 308 SHEETS

REVISION	BY	DATE

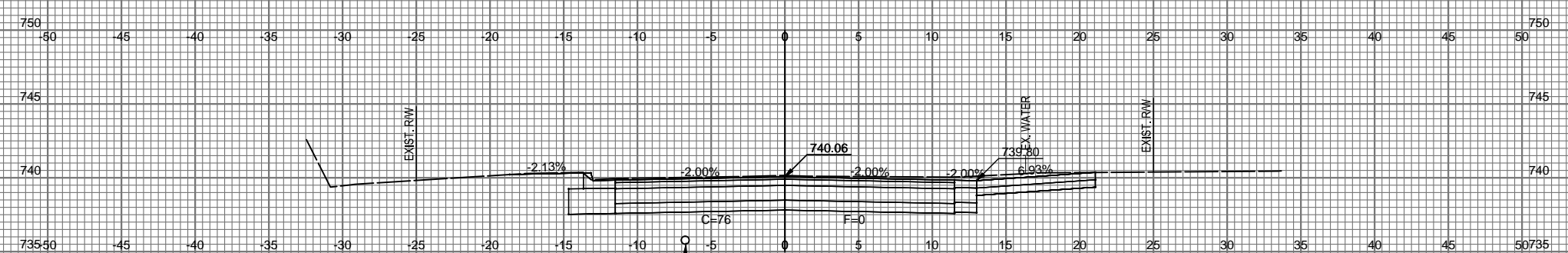
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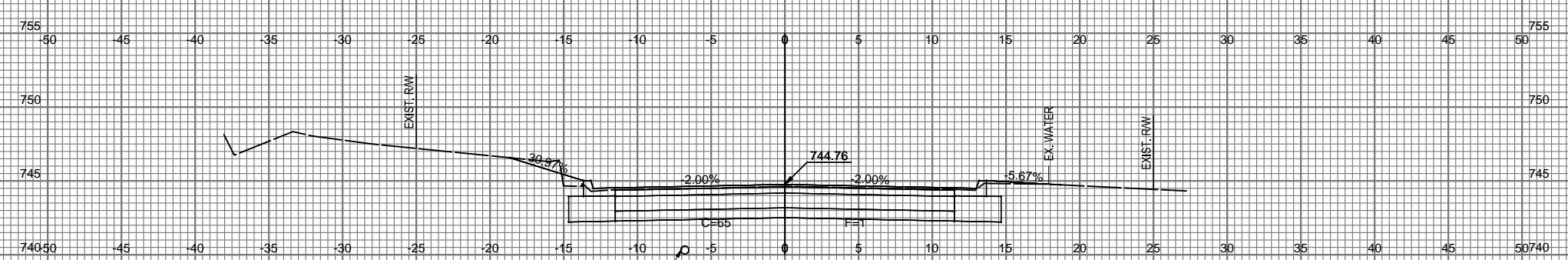
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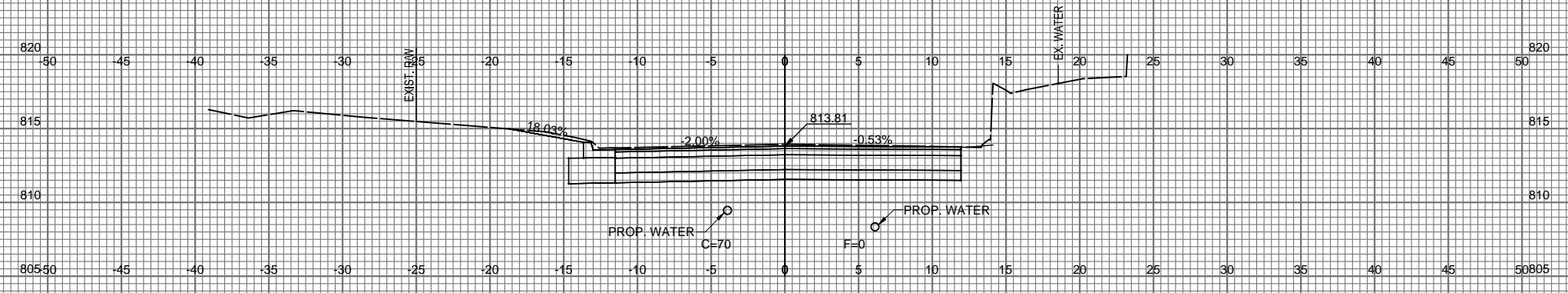
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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REVISION	BY	DATE

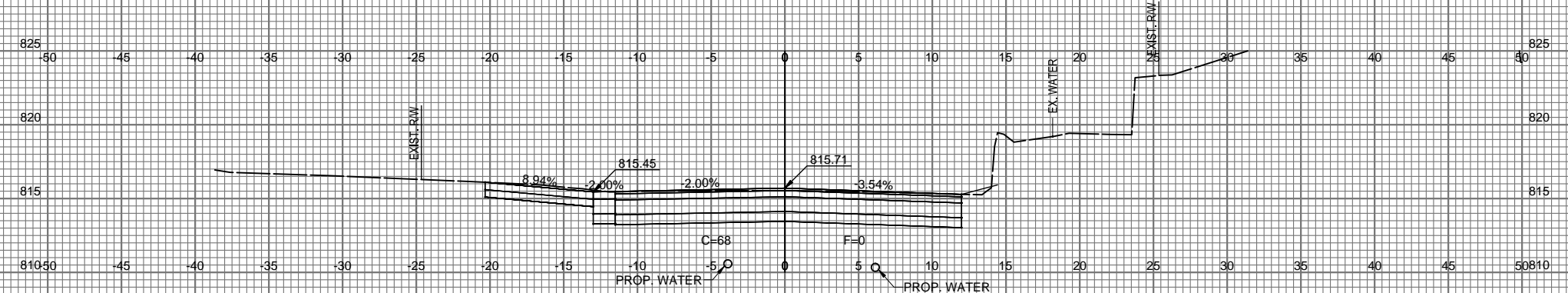




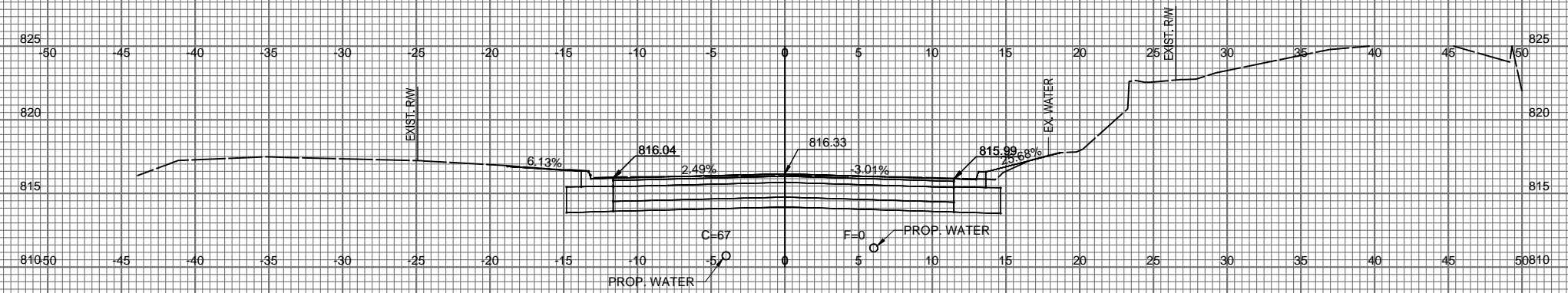
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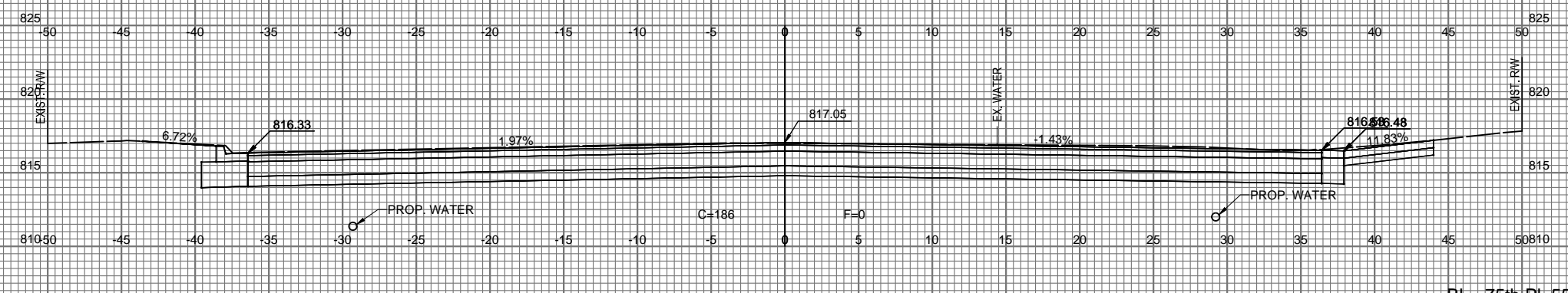
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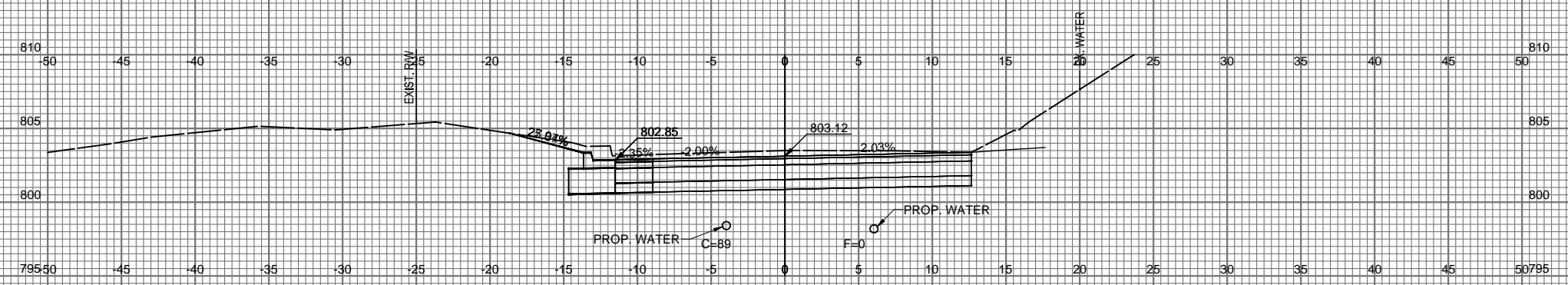
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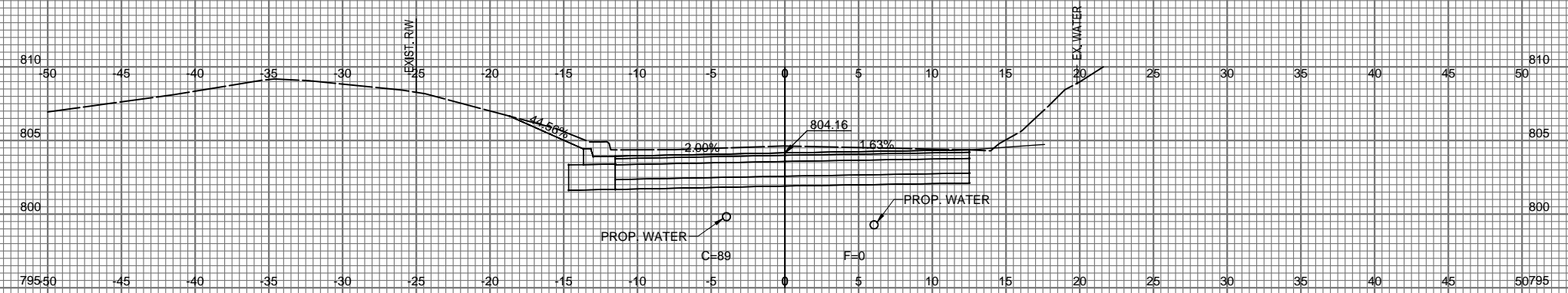
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PROJECT NUMBERS: 144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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VERTICAL: 1" = 5'	DESIGN MANAGER												
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	SHEET 280 OF 308 SHEETS												

REVISION	BY	DATE

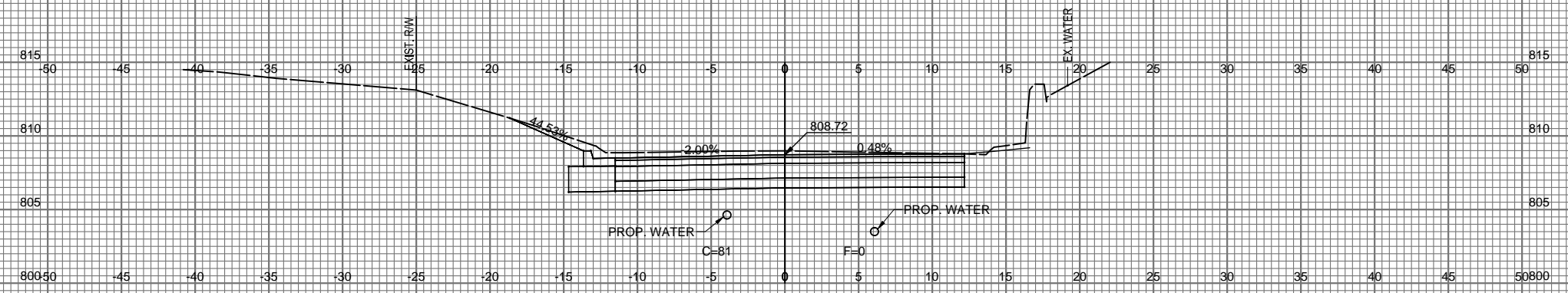
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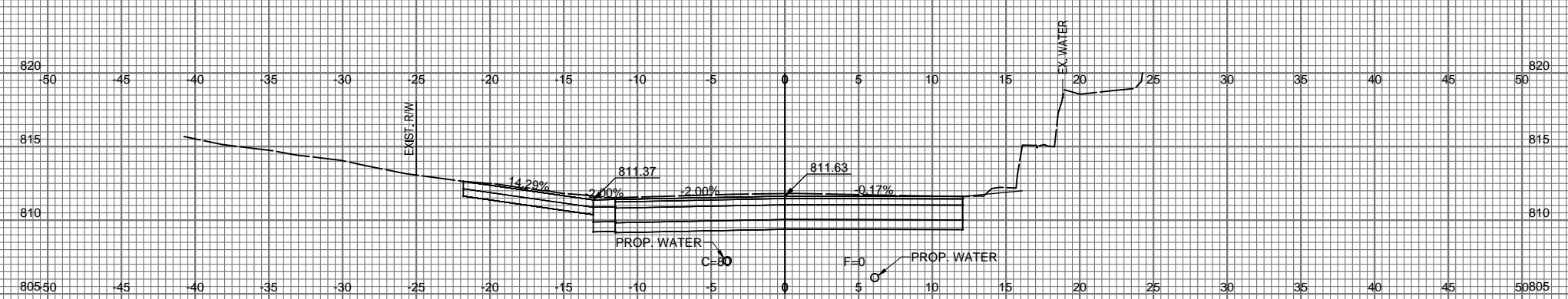
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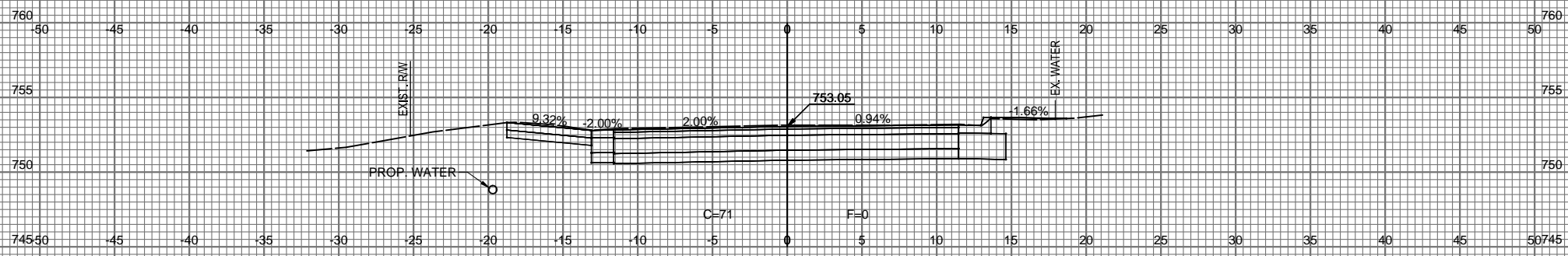
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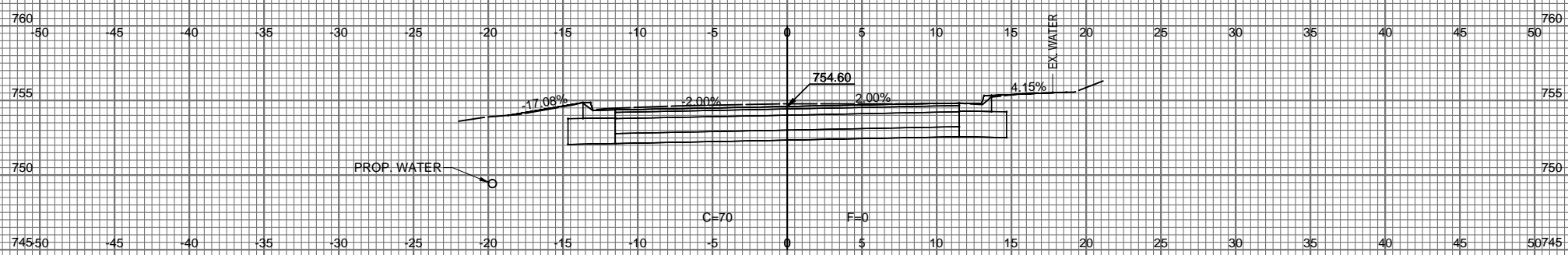
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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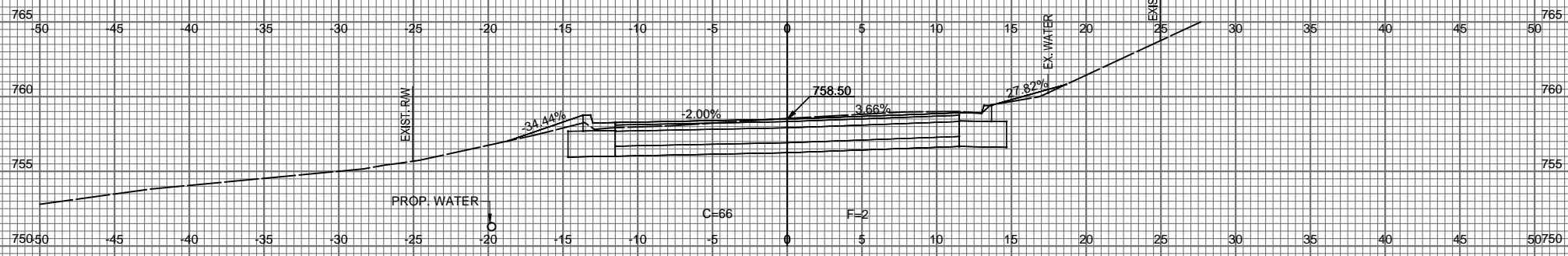
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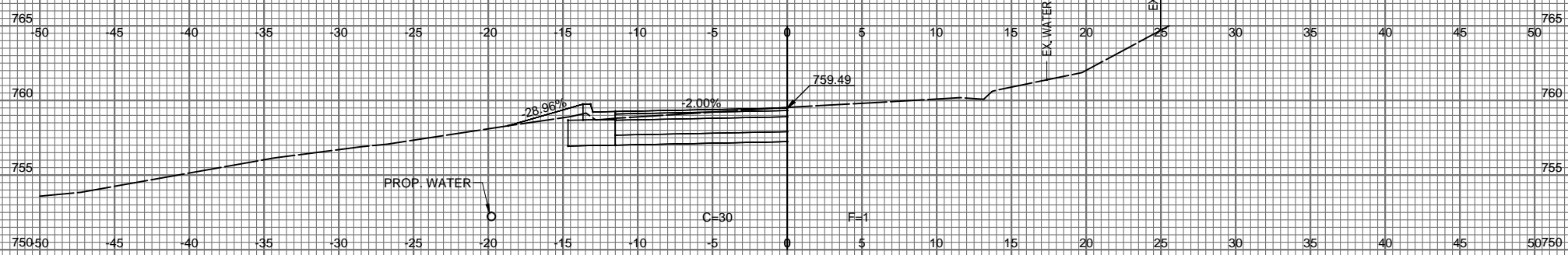
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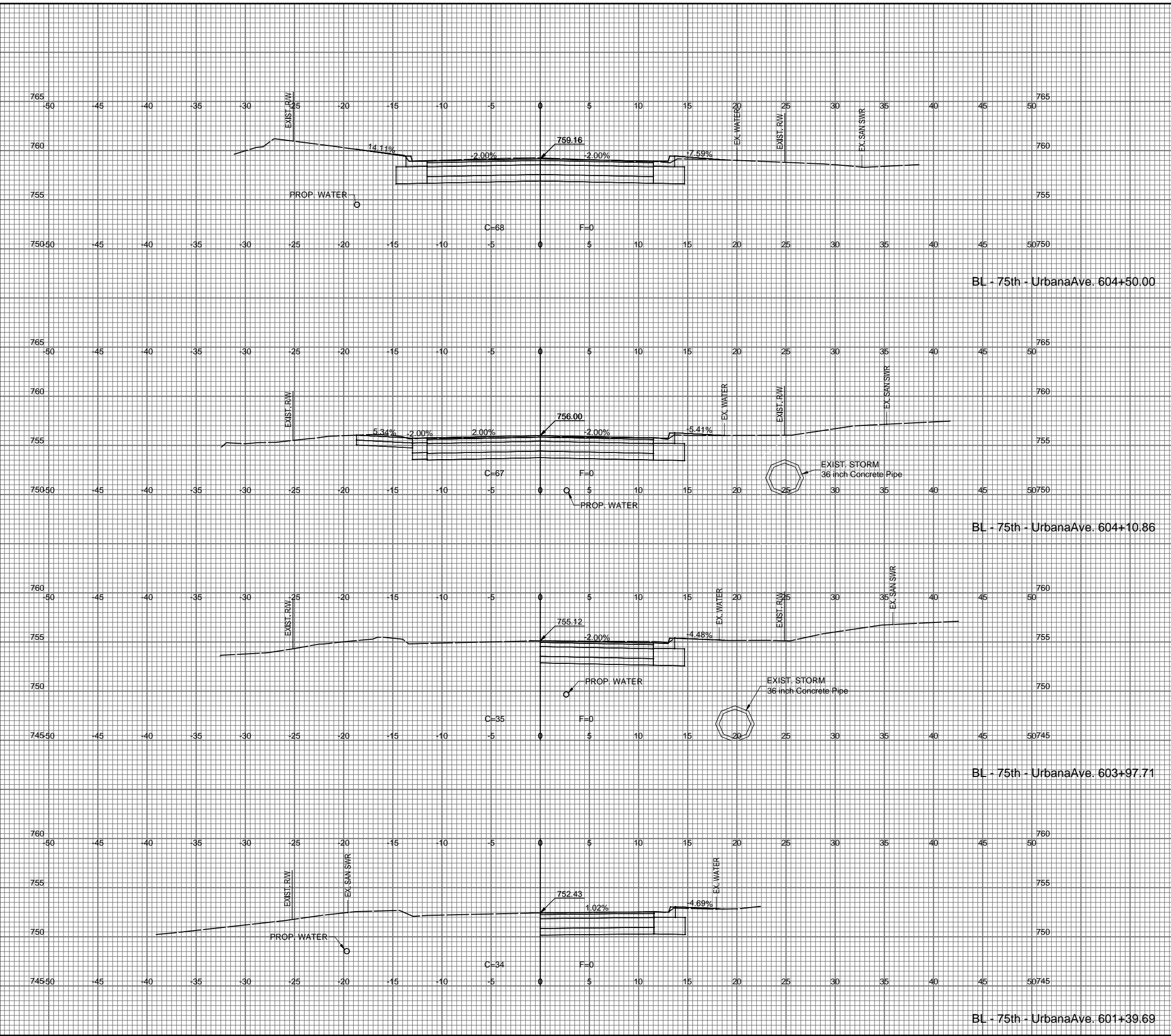


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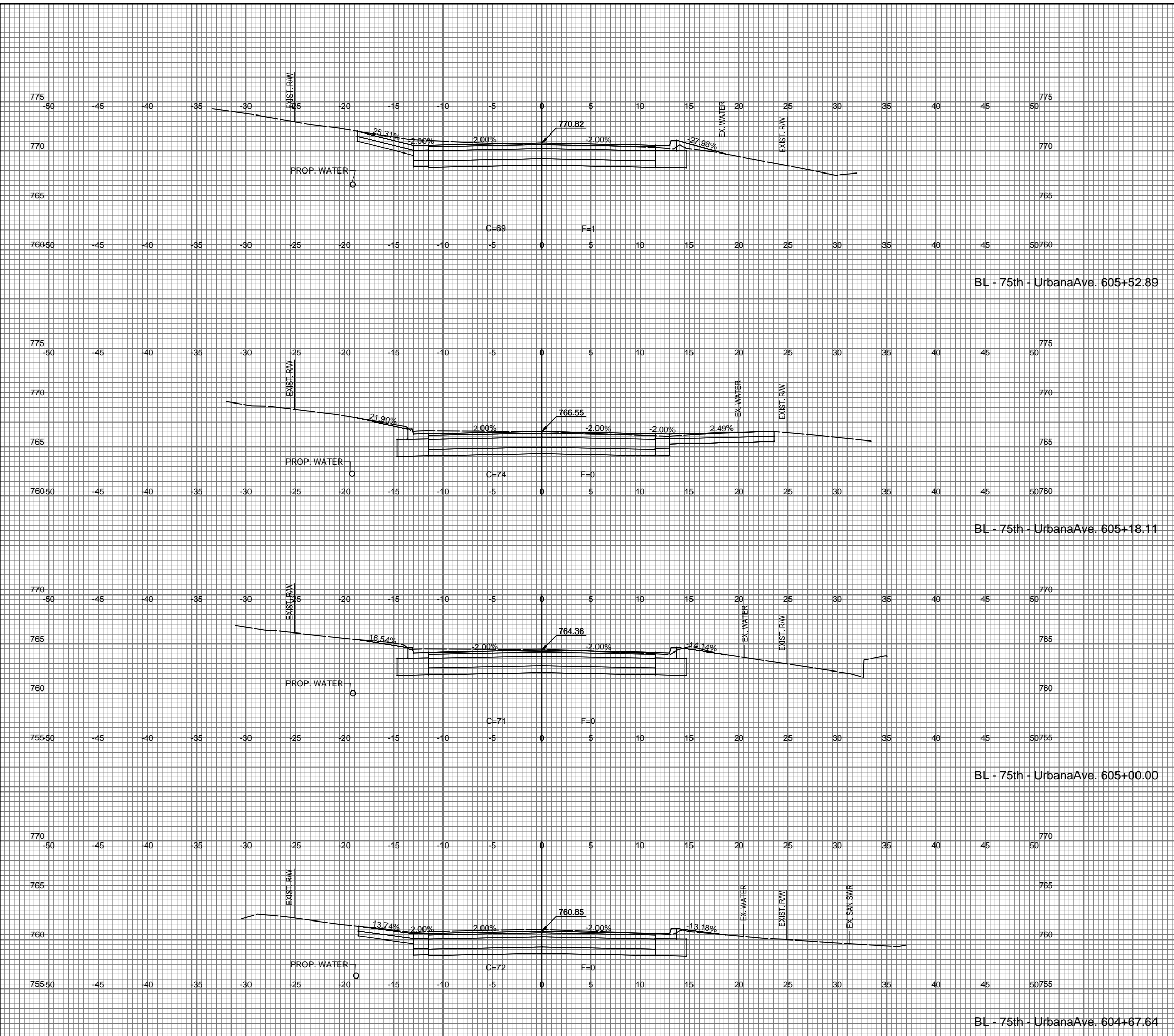


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<b>75TH STREET – CROSS SECTIONS</b>			
PROJECT NUMBERS: 144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT – MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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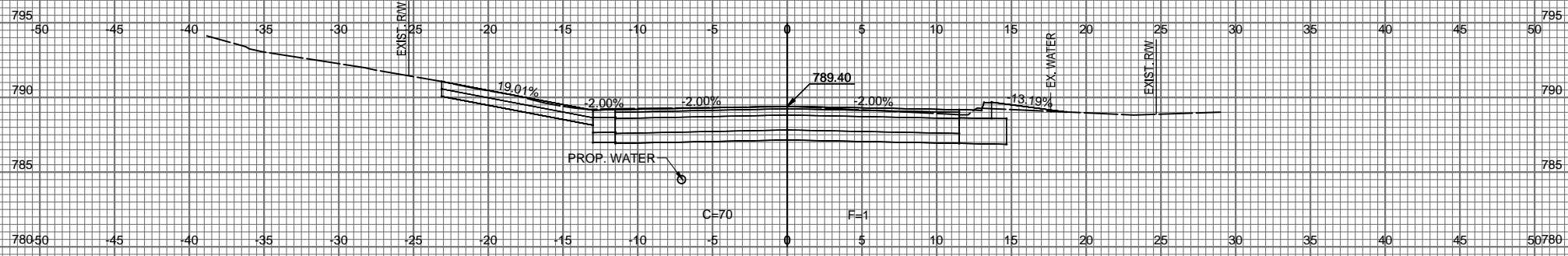
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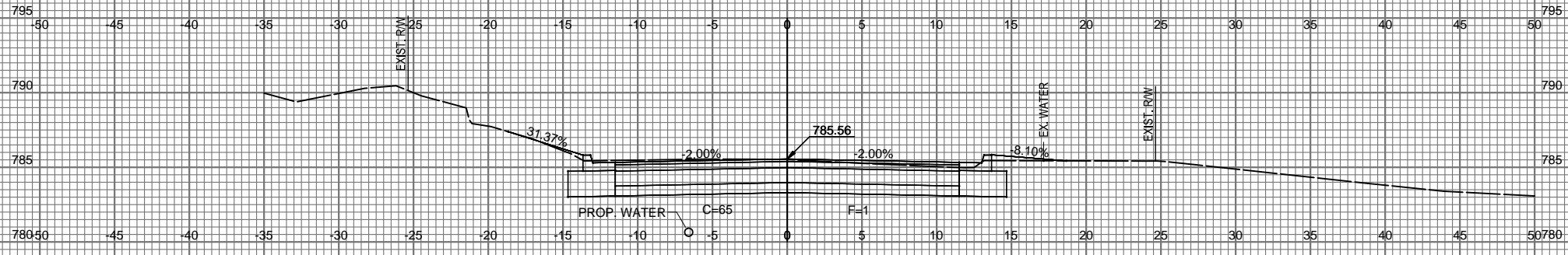
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
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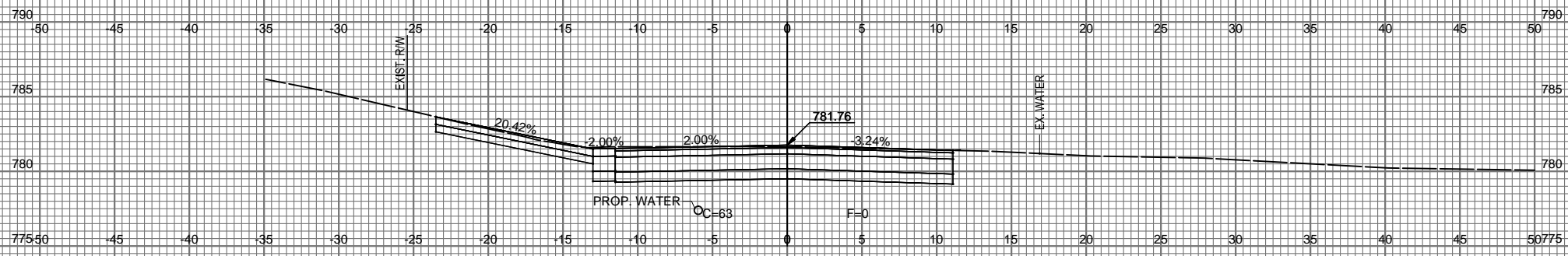
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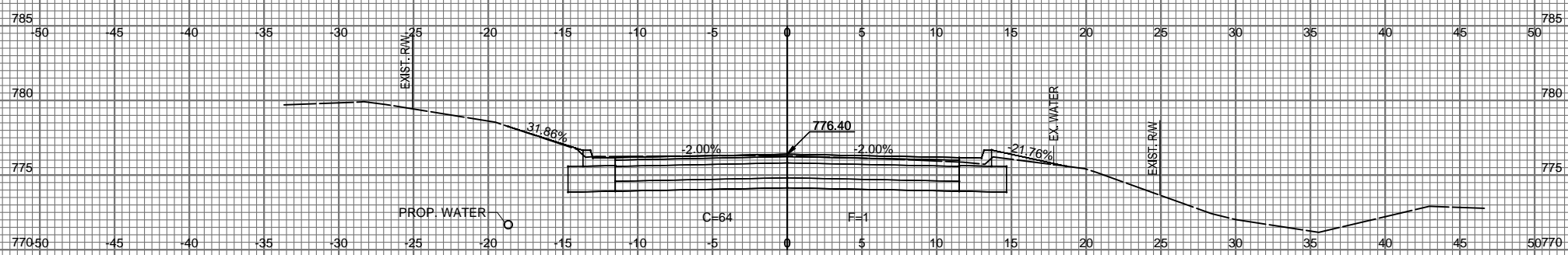
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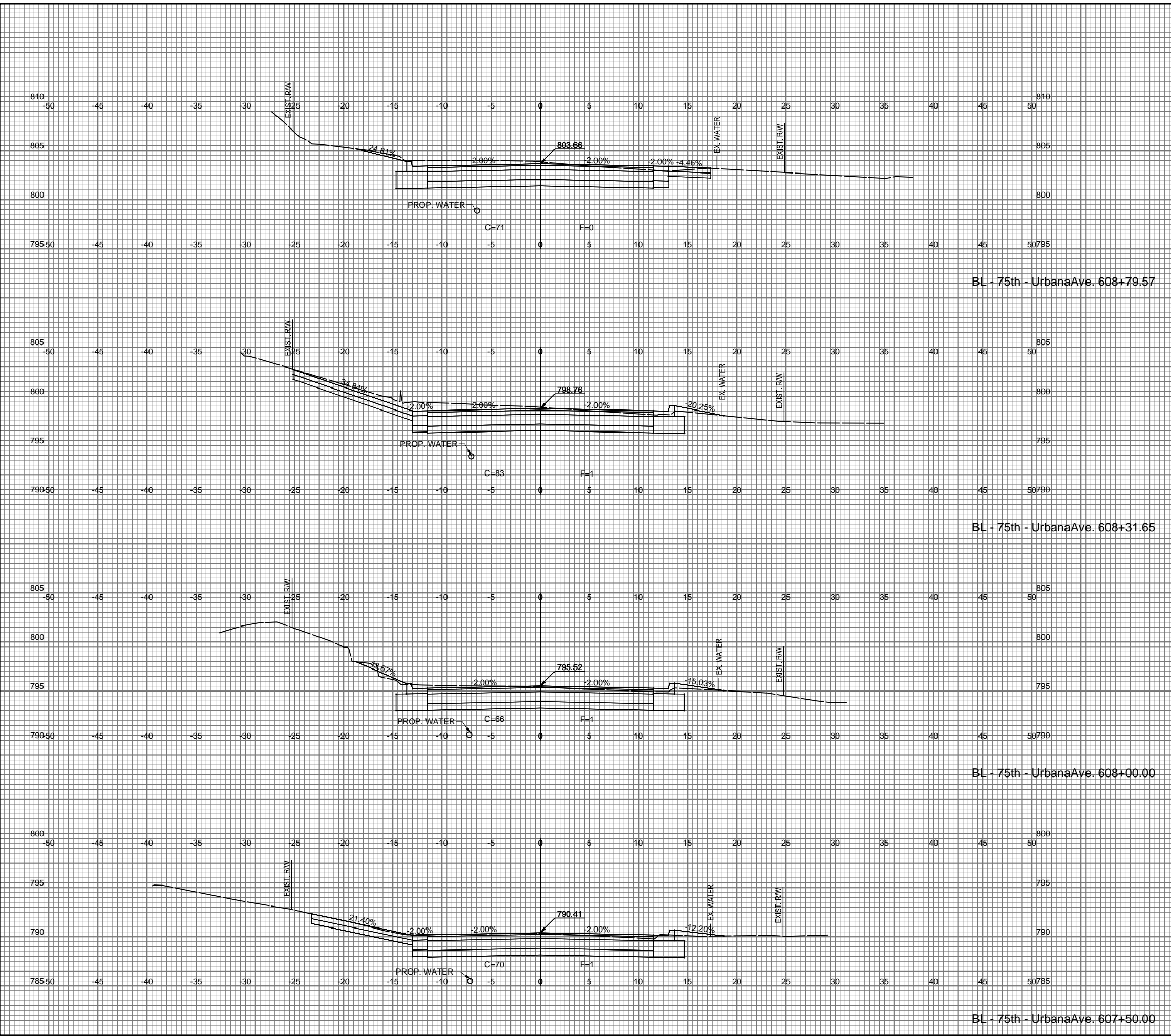
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<b>75TH STREET - CROSS SECTIONS</b>			
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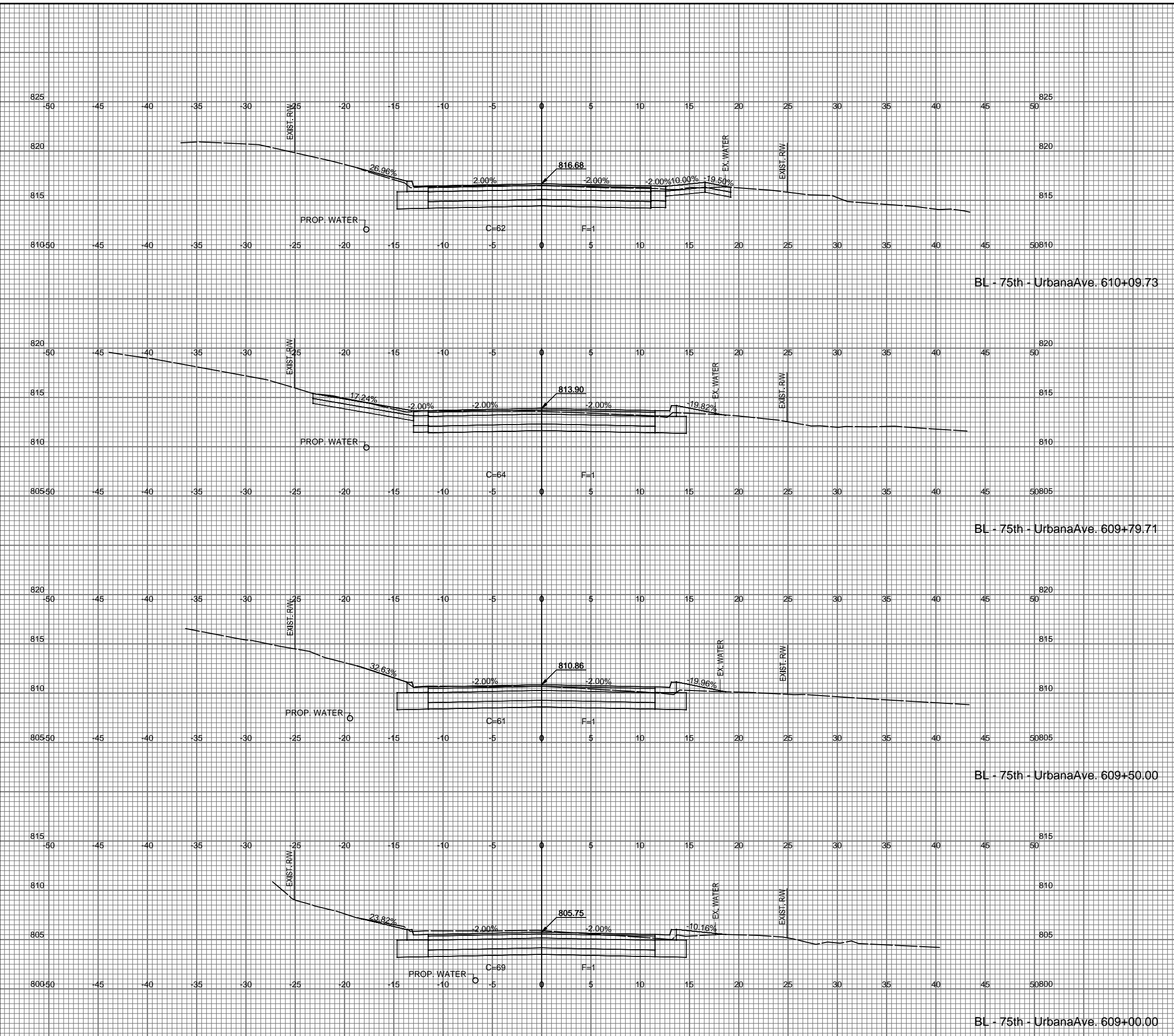


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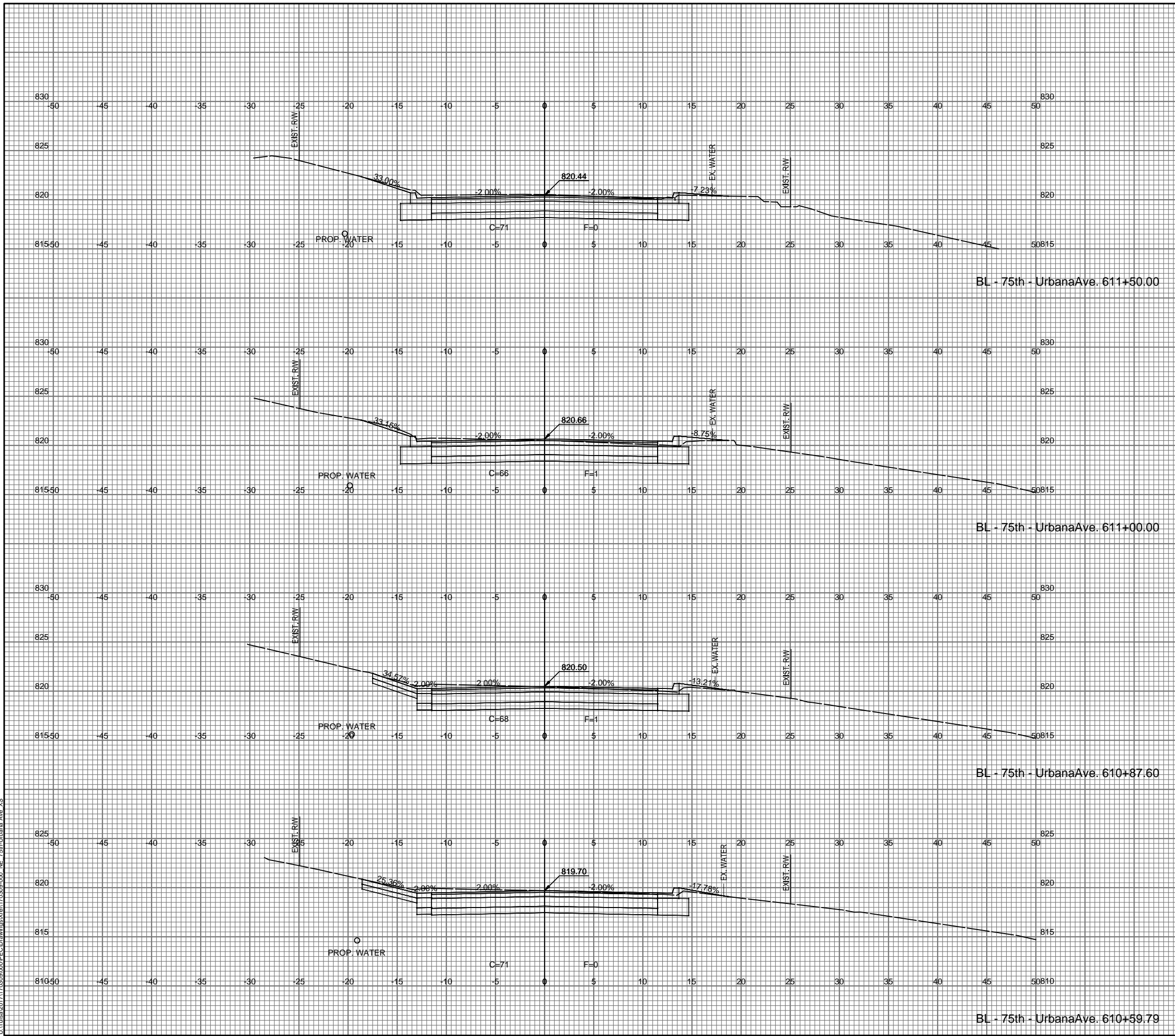
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<b>75TH STREET - CROSS SECTIONS</b>			
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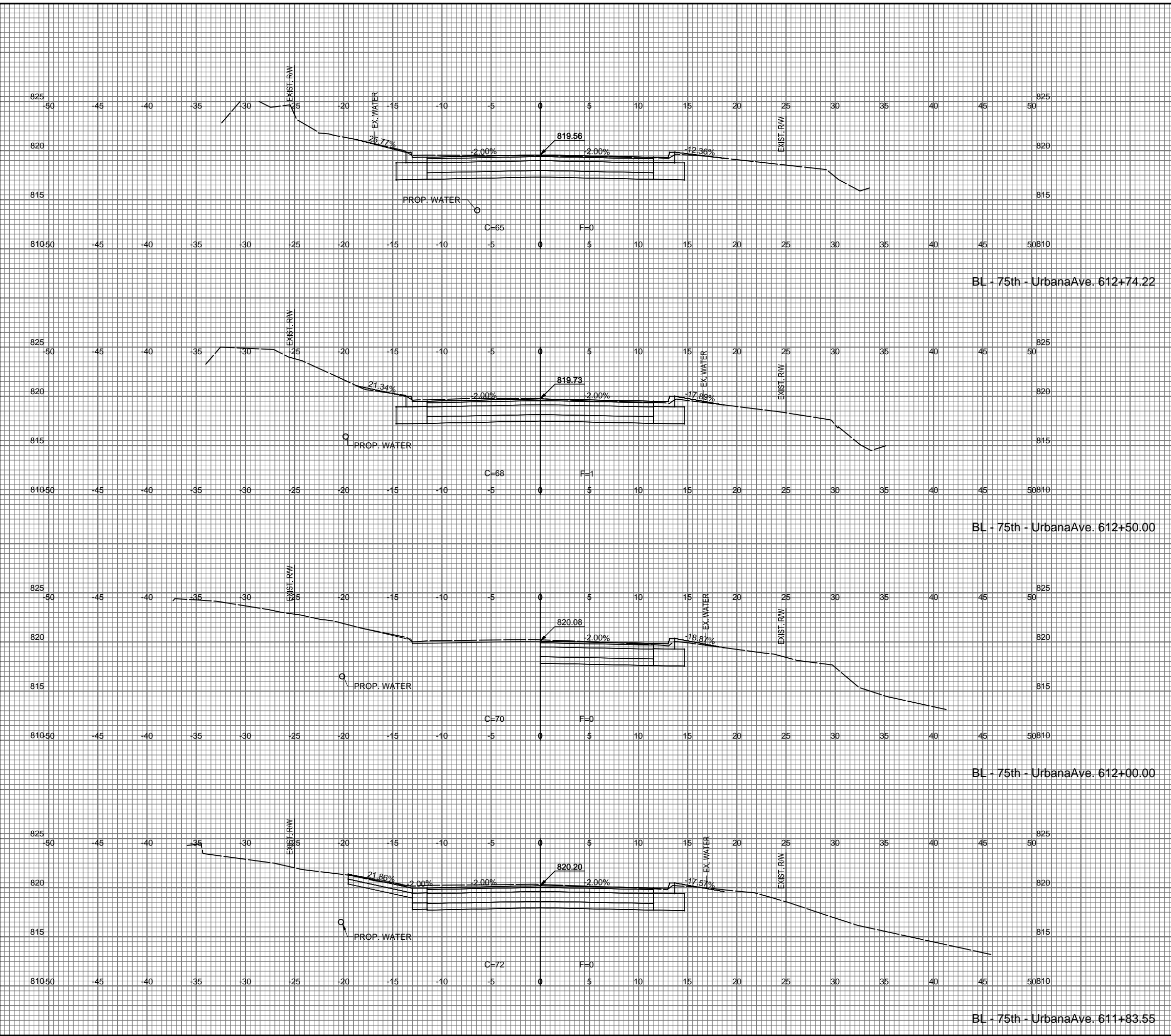
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<b>75TH STREET – CROSS SECTIONS</b>	
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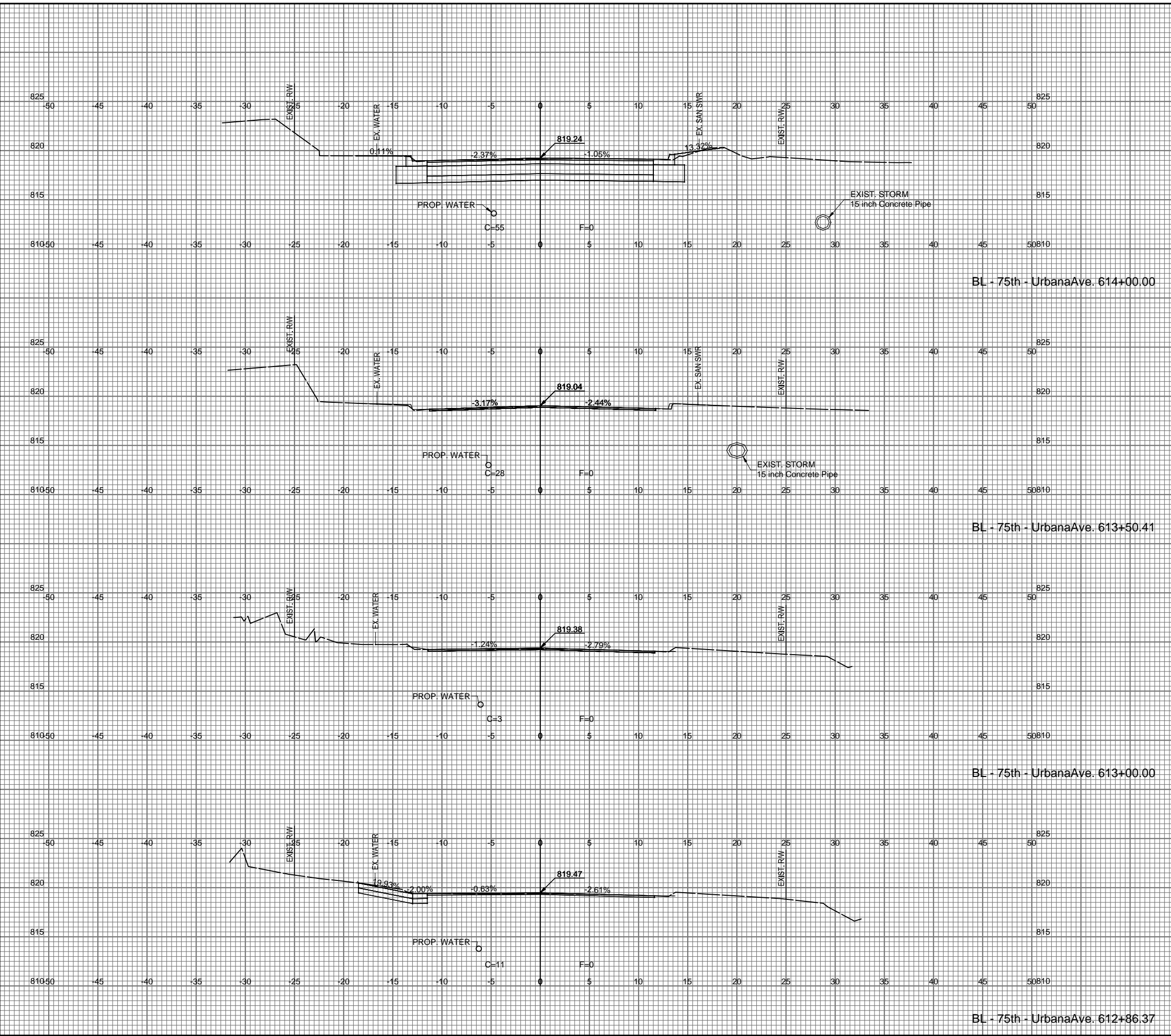
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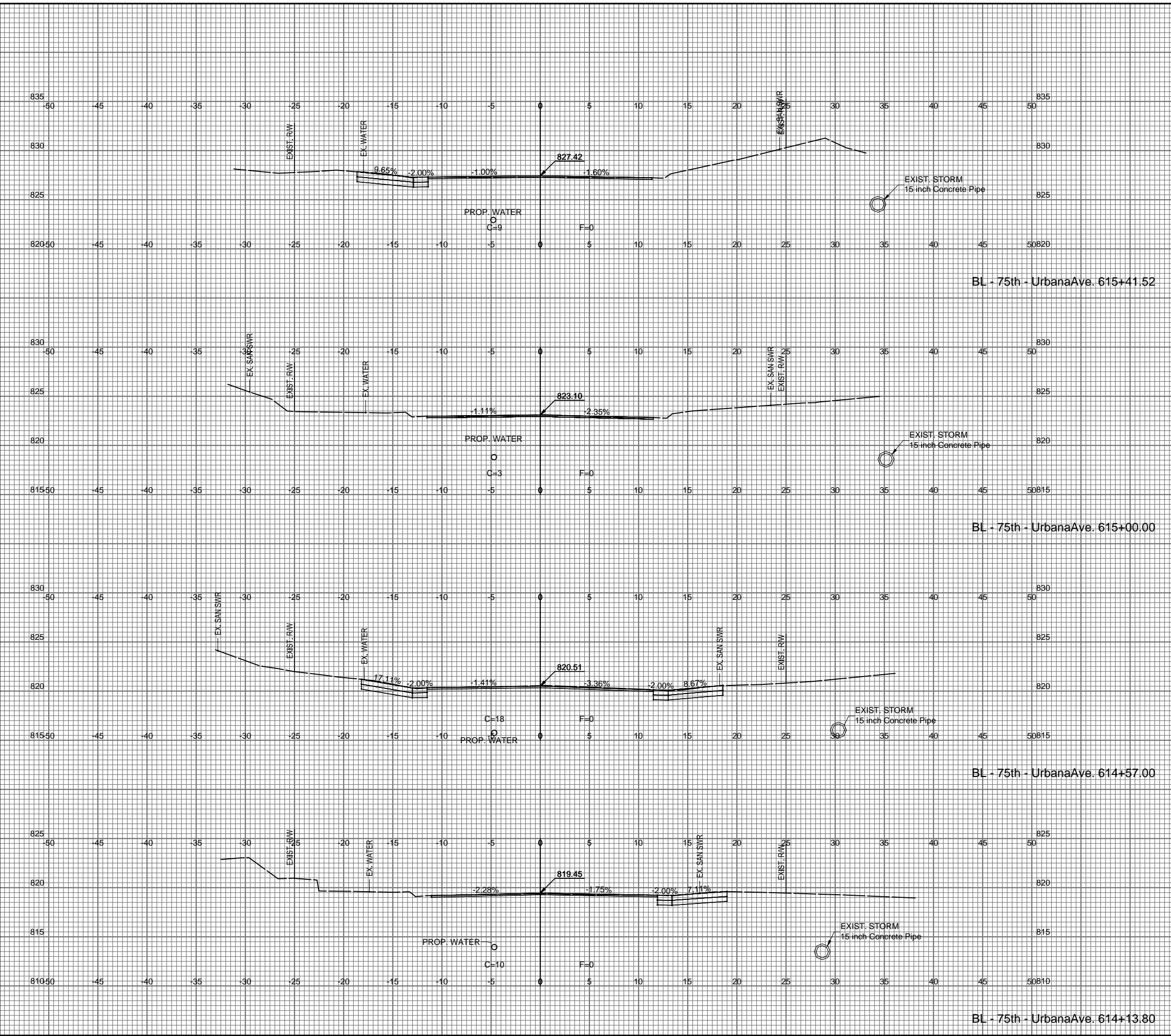
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<b>75TH STREET – CROSS SECTIONS</b>													
PROJECT NUMBERS:144863-S & TMUA-W17-10													
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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VERTICAL: 1" = 5'	DESIGN MANAGER												
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	SHEET 290 OF 308 SHEETS												

REVISION	BY	DATE

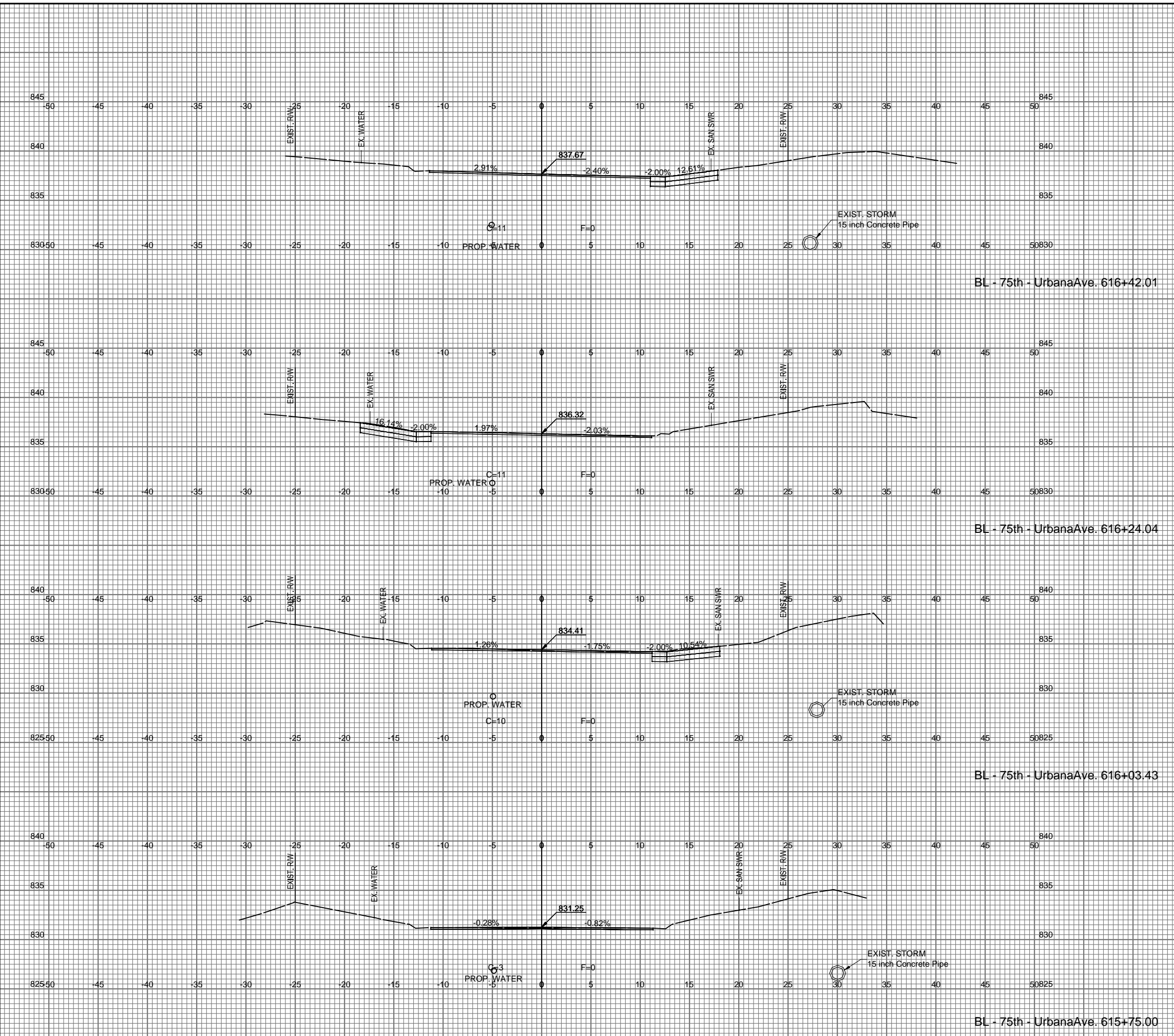
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75TH STREET – CROSS SECTIONS	
PROJECT NUMBERS:144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S	
CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT	
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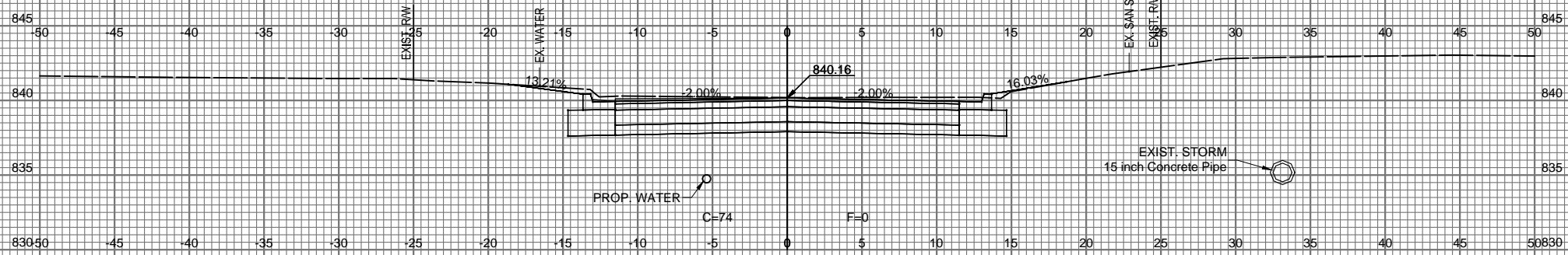
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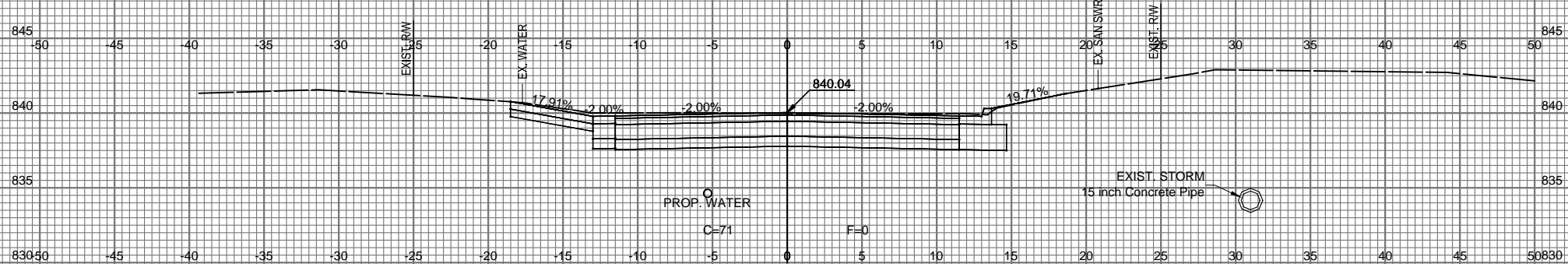
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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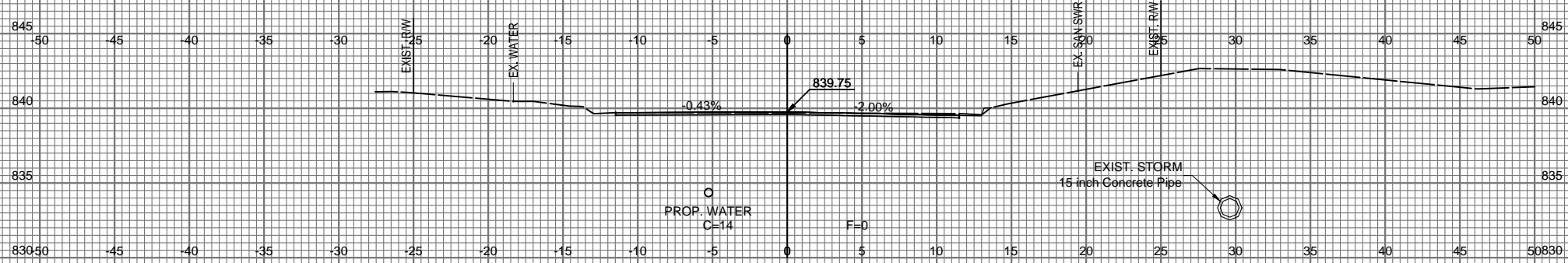
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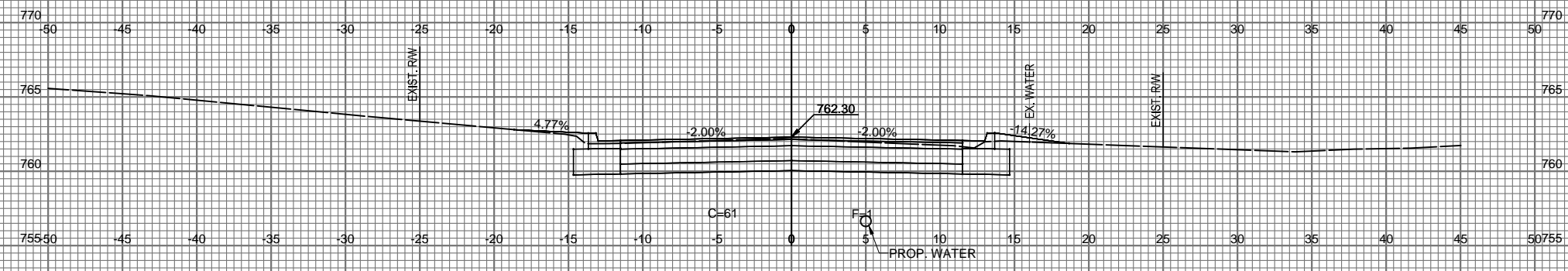
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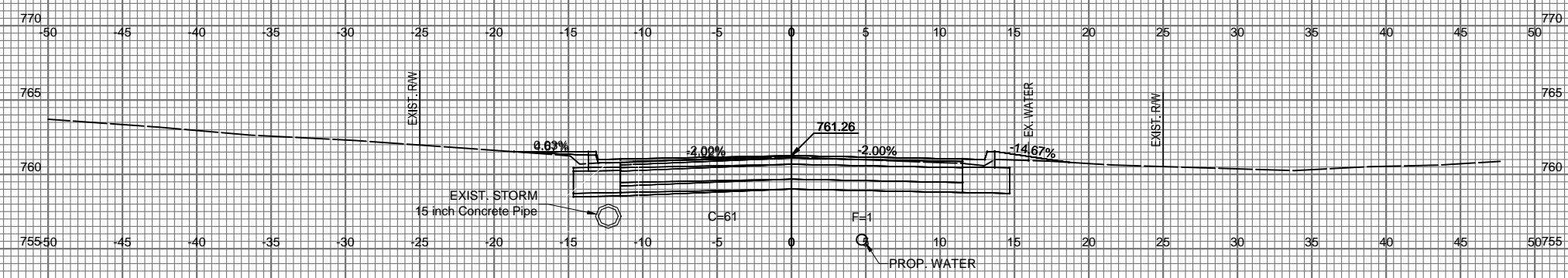
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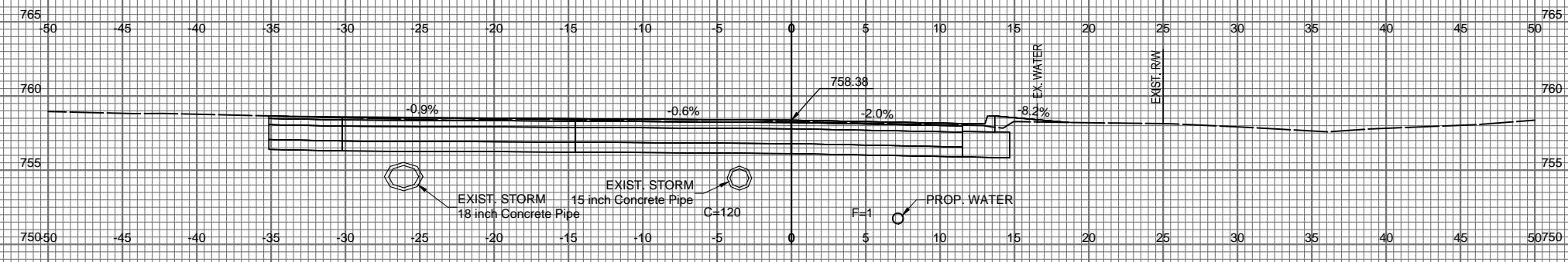
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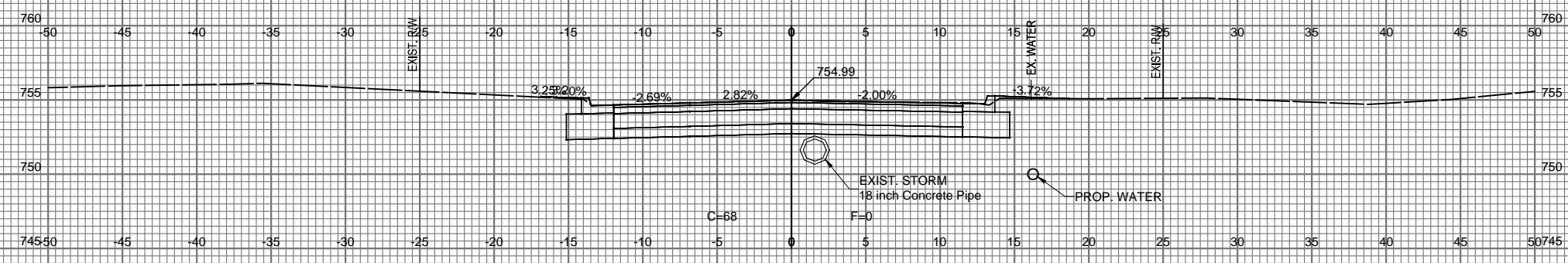
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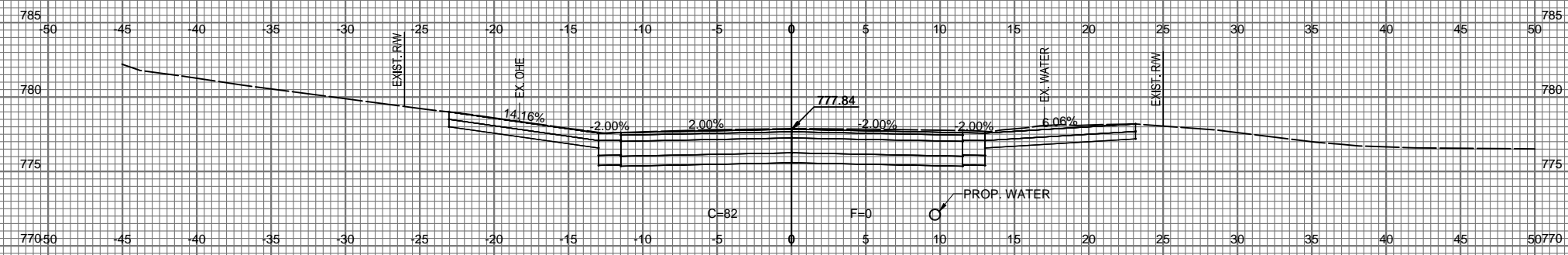


<b>URBANA AVENUE - CROSS SECTIONS</b>													
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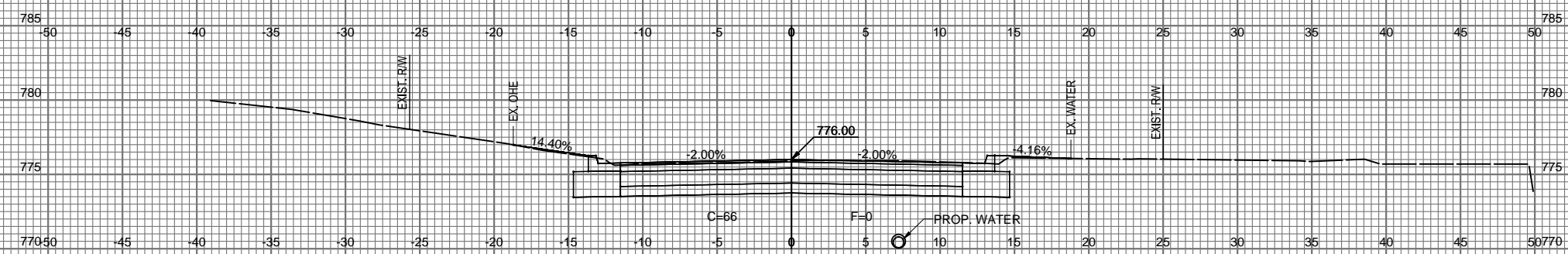
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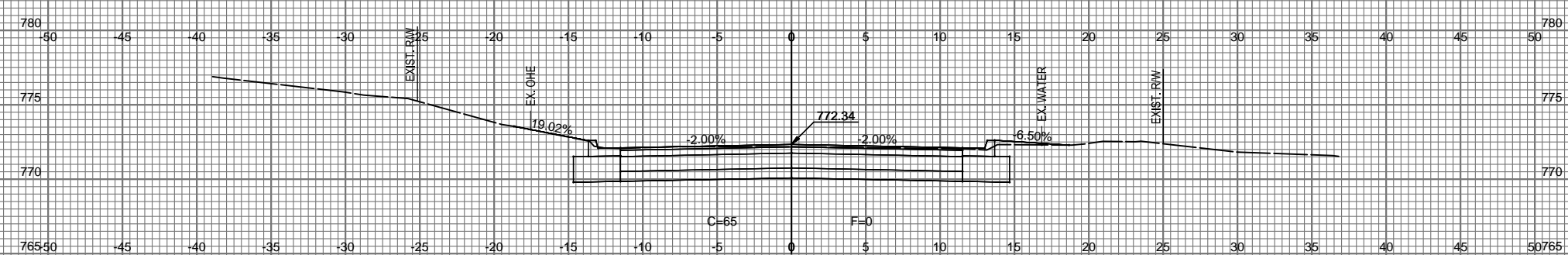
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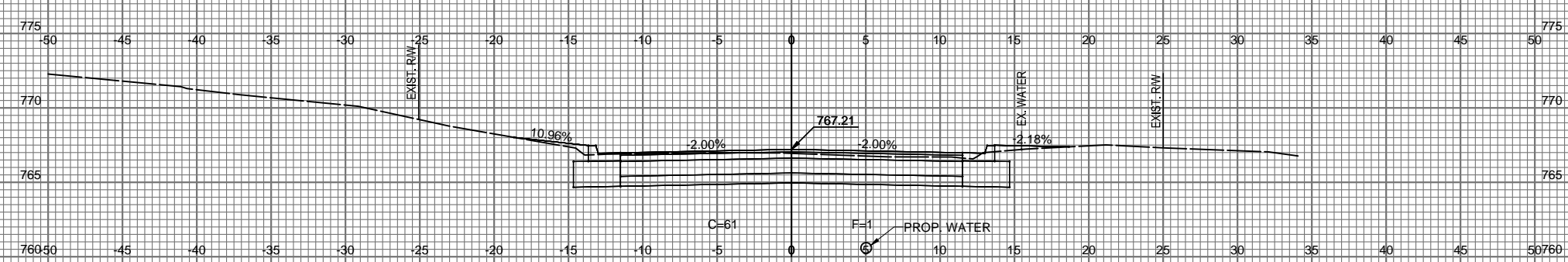
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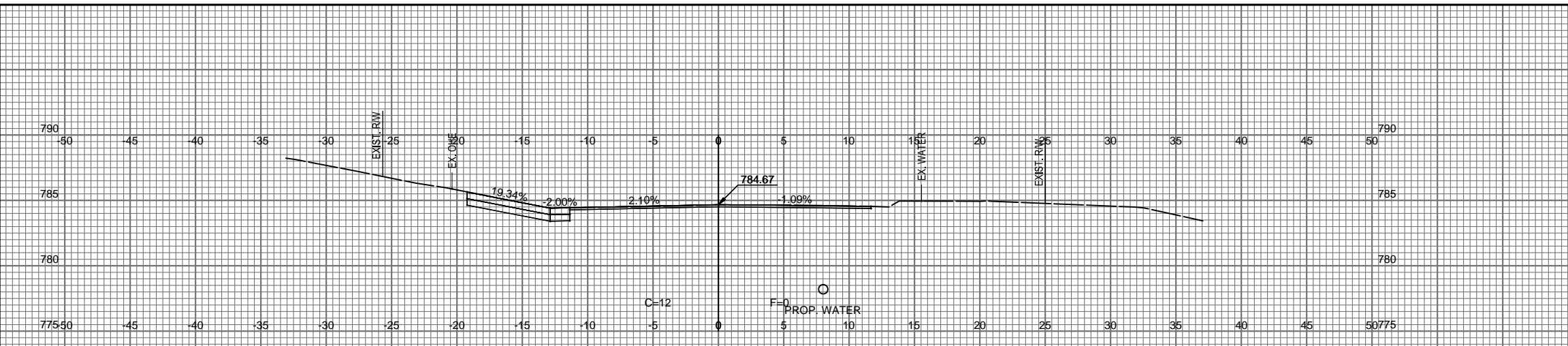
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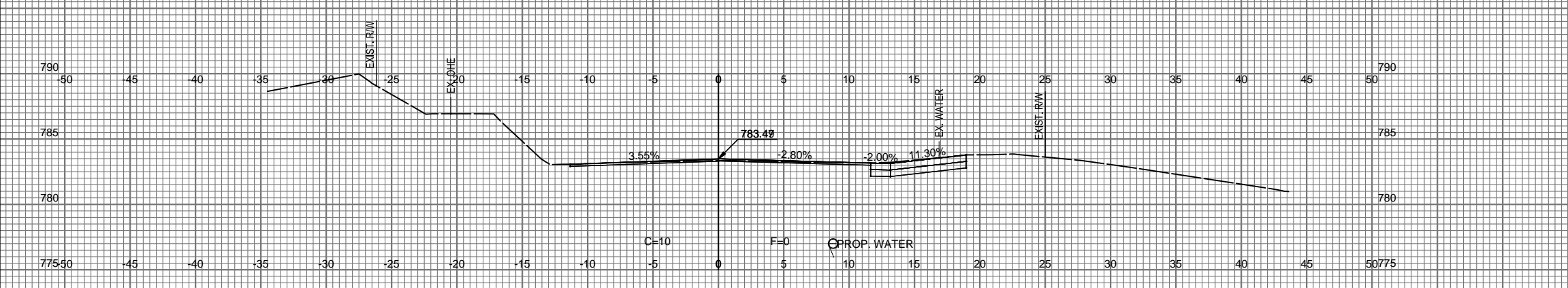
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PROJECT NUMBERS:144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTNANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE. SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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	SHEET 295 OF 308 SHEETS

REVISION	BY	DATE

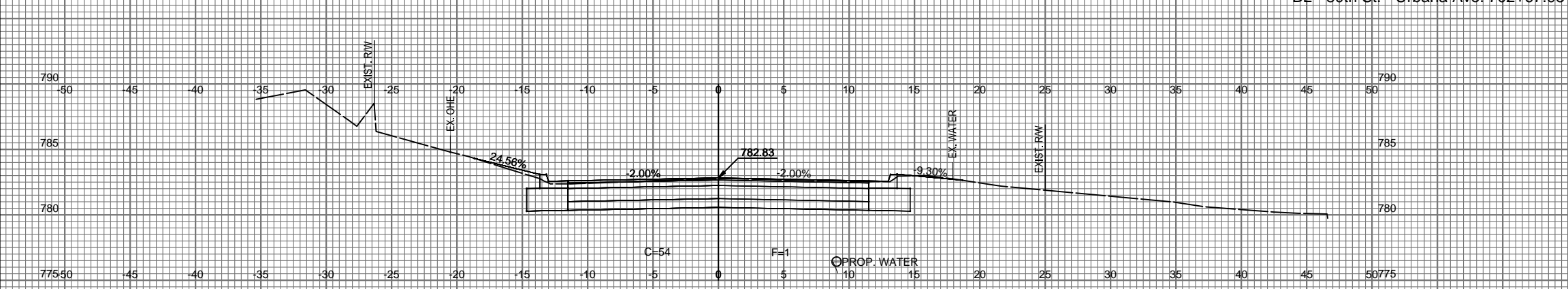
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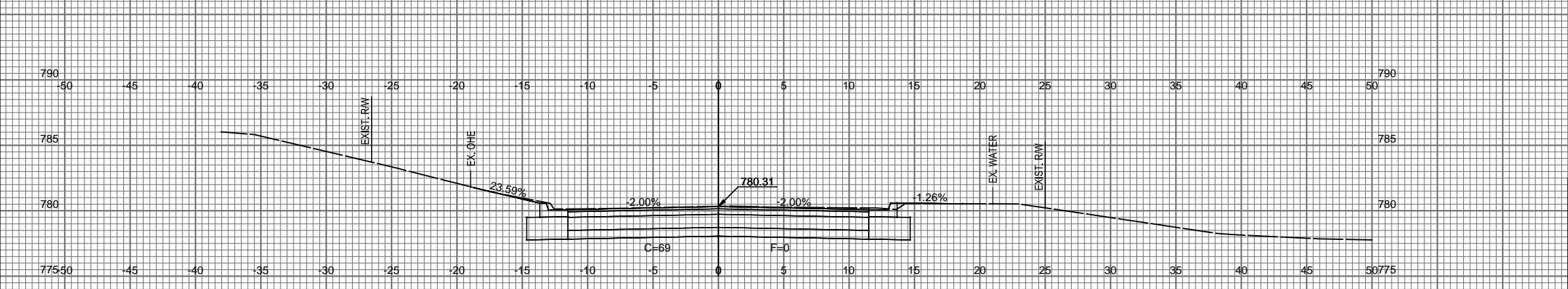
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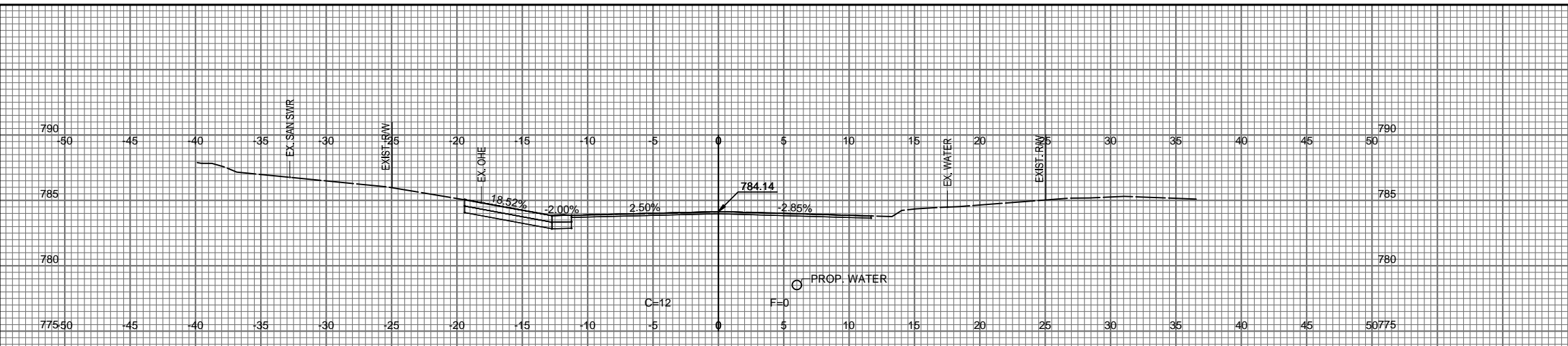
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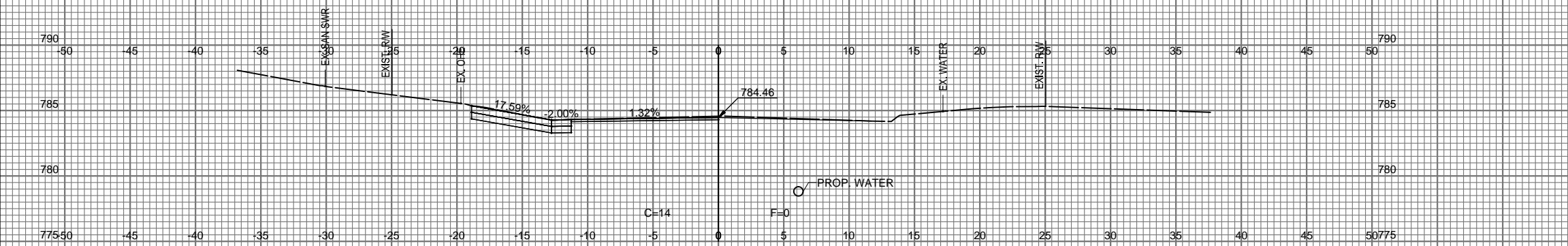
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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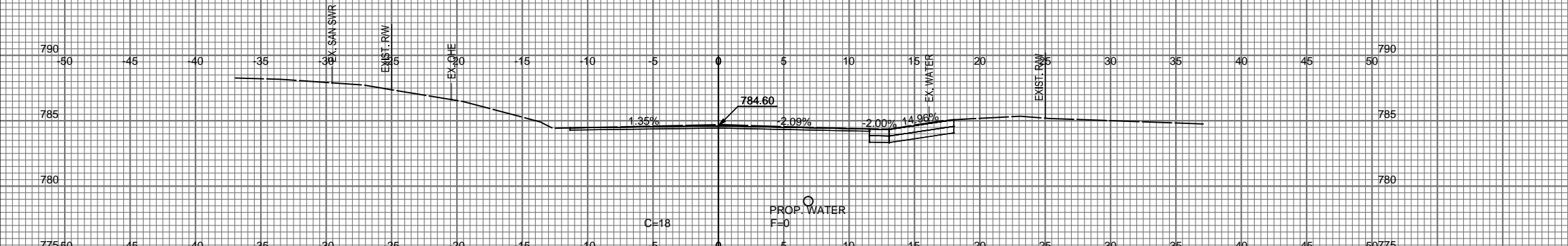
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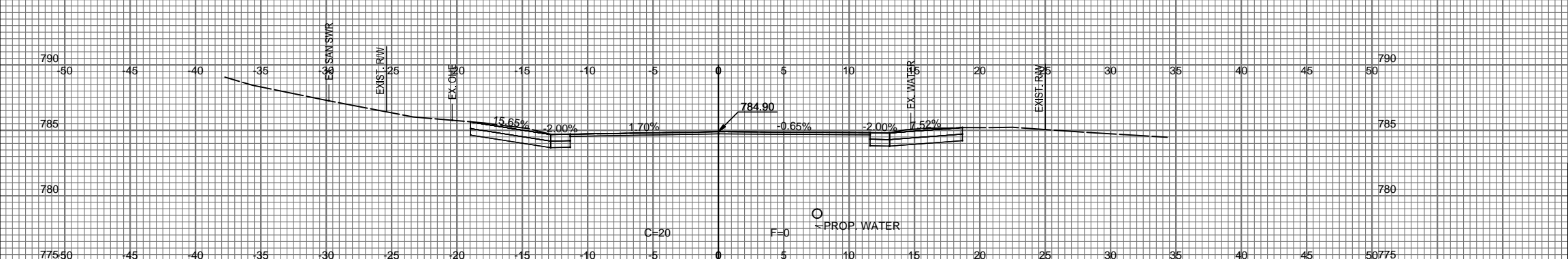
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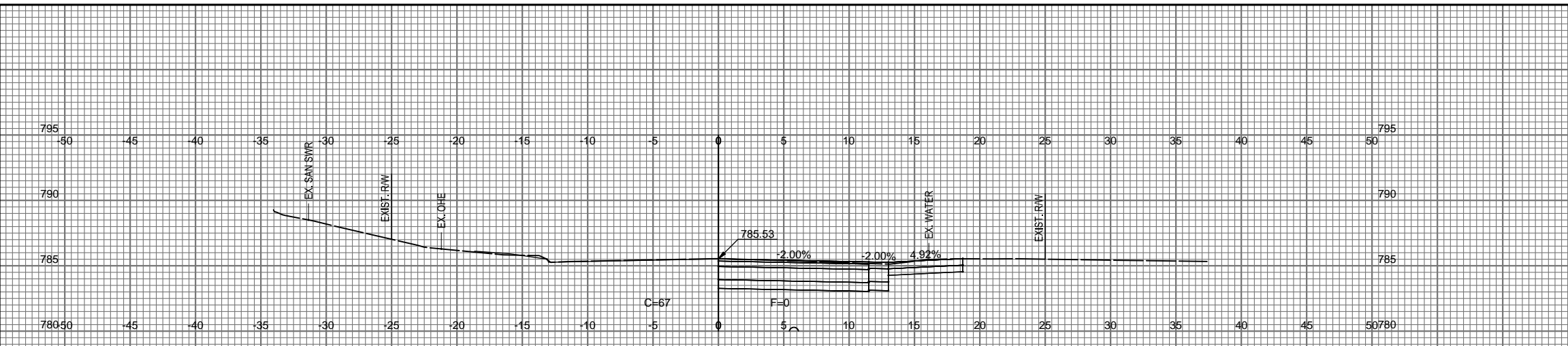
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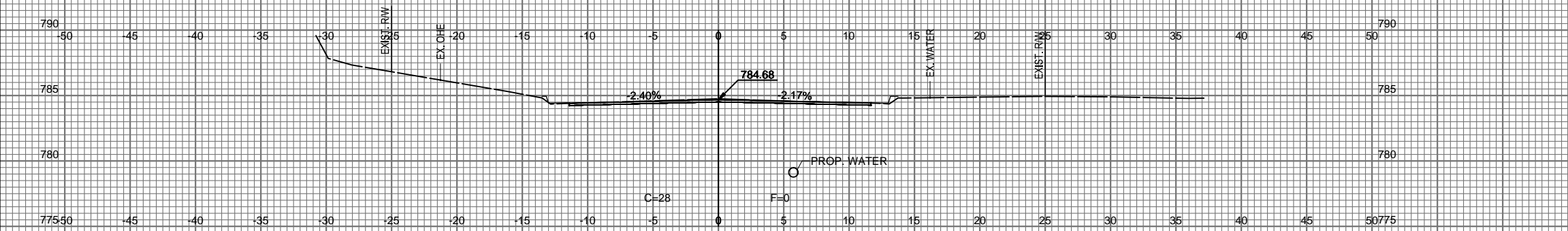
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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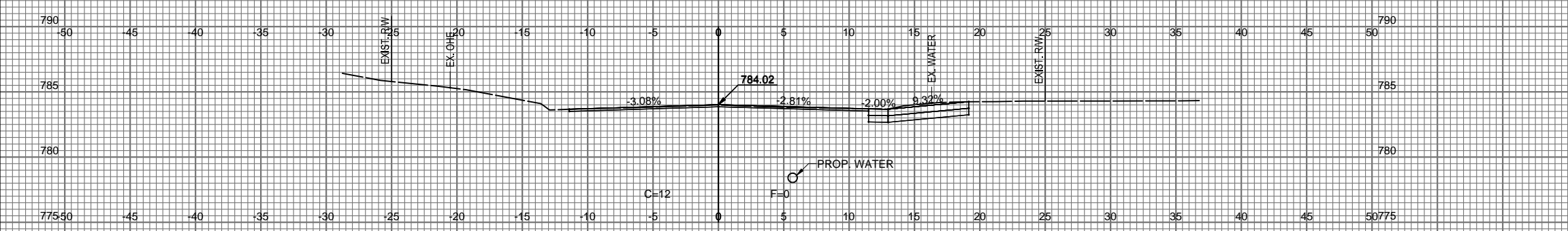
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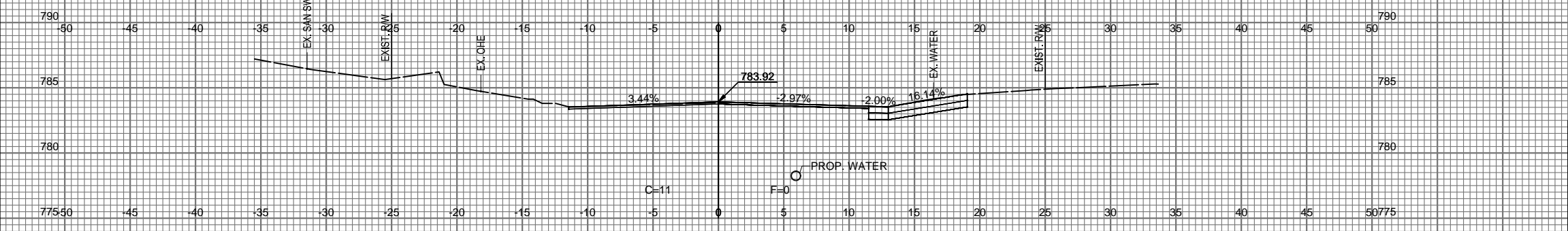
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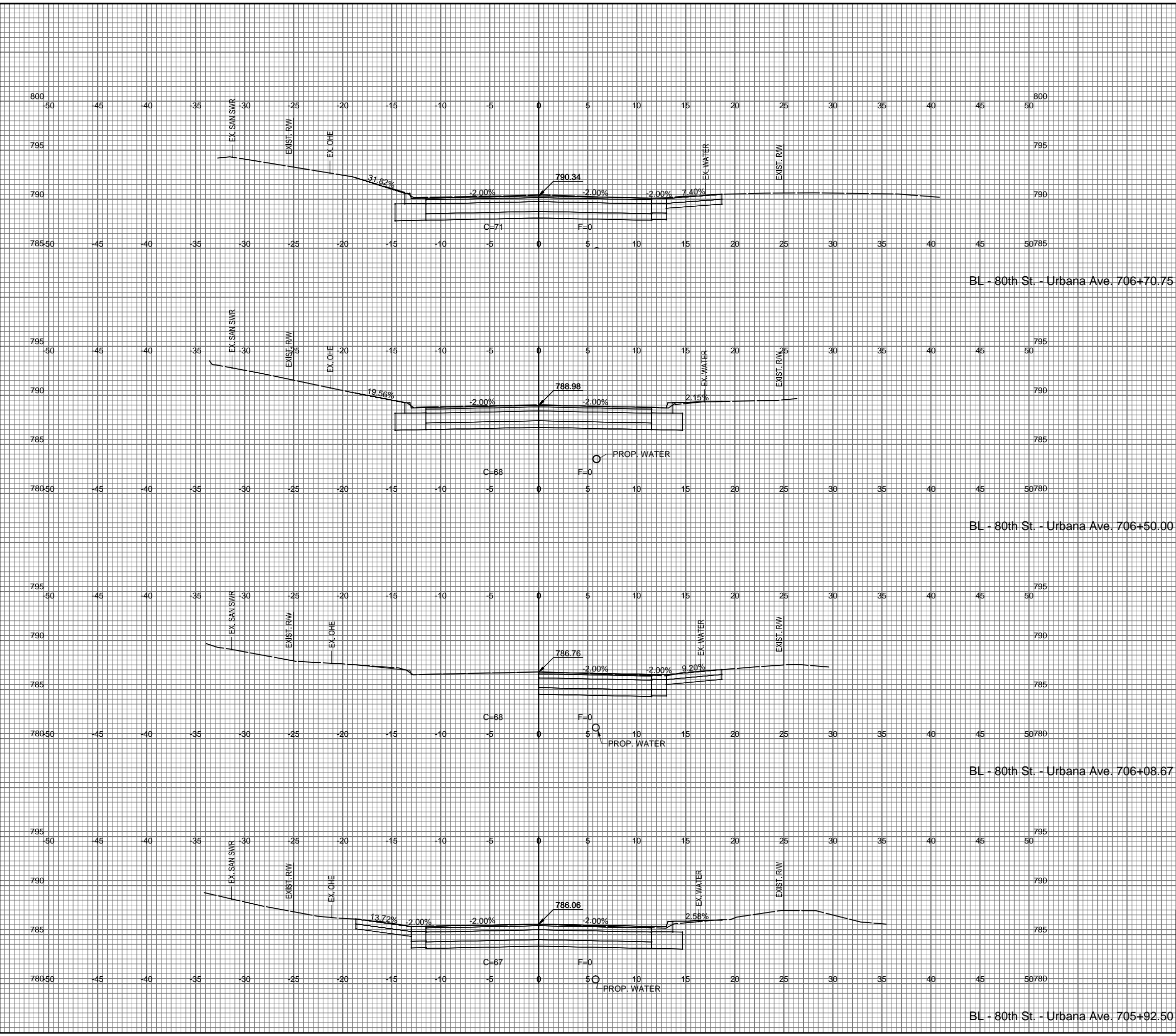
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<b>URBANA AVENUE - CROSS SECTIONS</b>			
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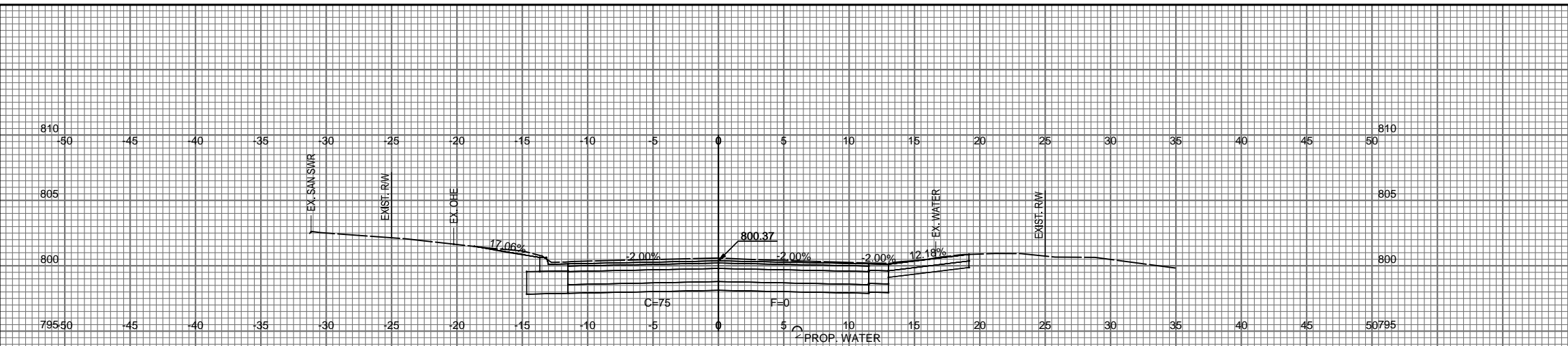
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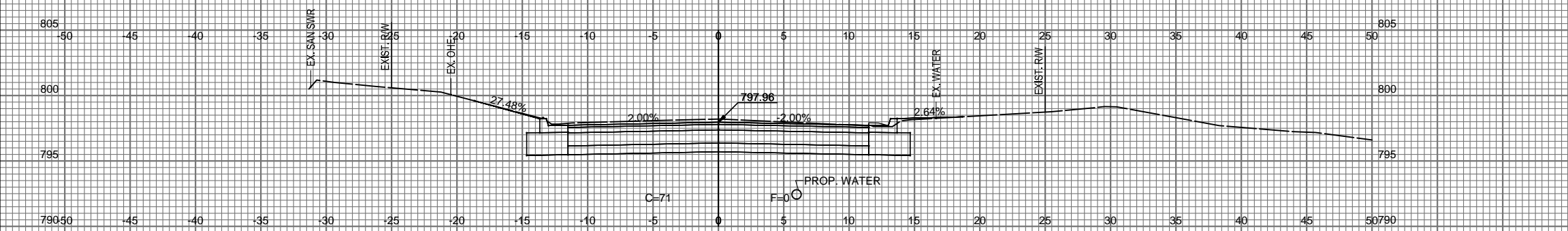
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT—MAINTENANCE ZONE 8063-S	
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	SHEET 299 OF 308 SHEETS

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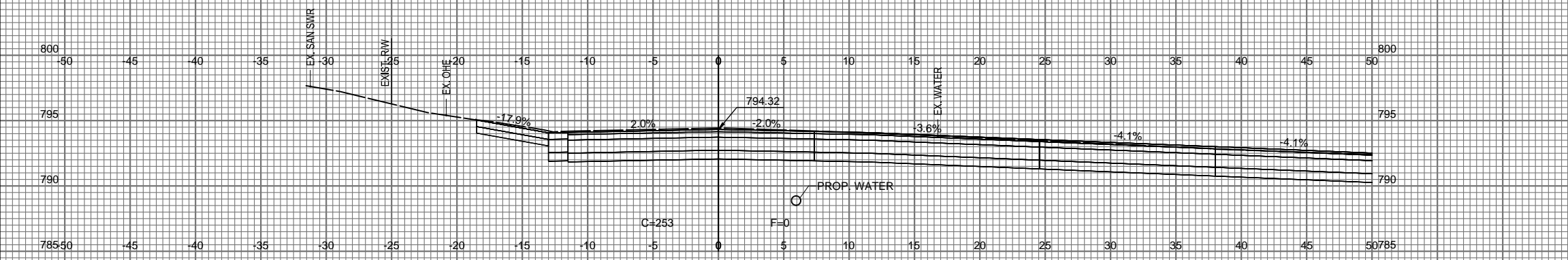
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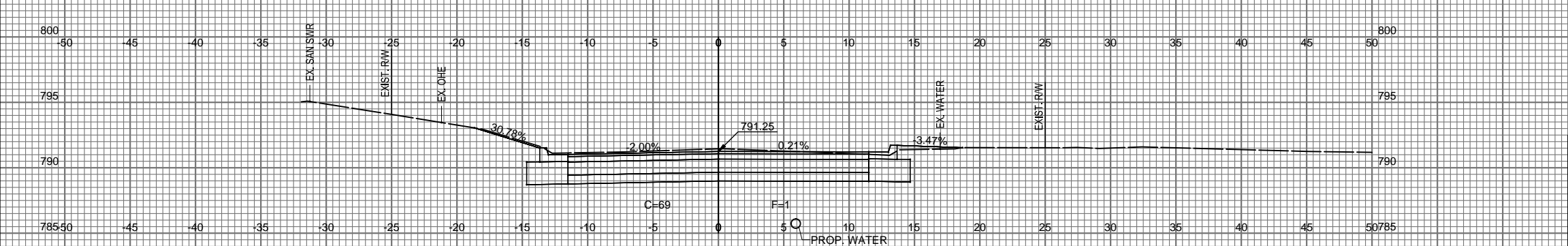
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BL - 80th St. - Urbana Ave. 707+59.82



BL - 80th St. - Urbana Ave. 707+21.47



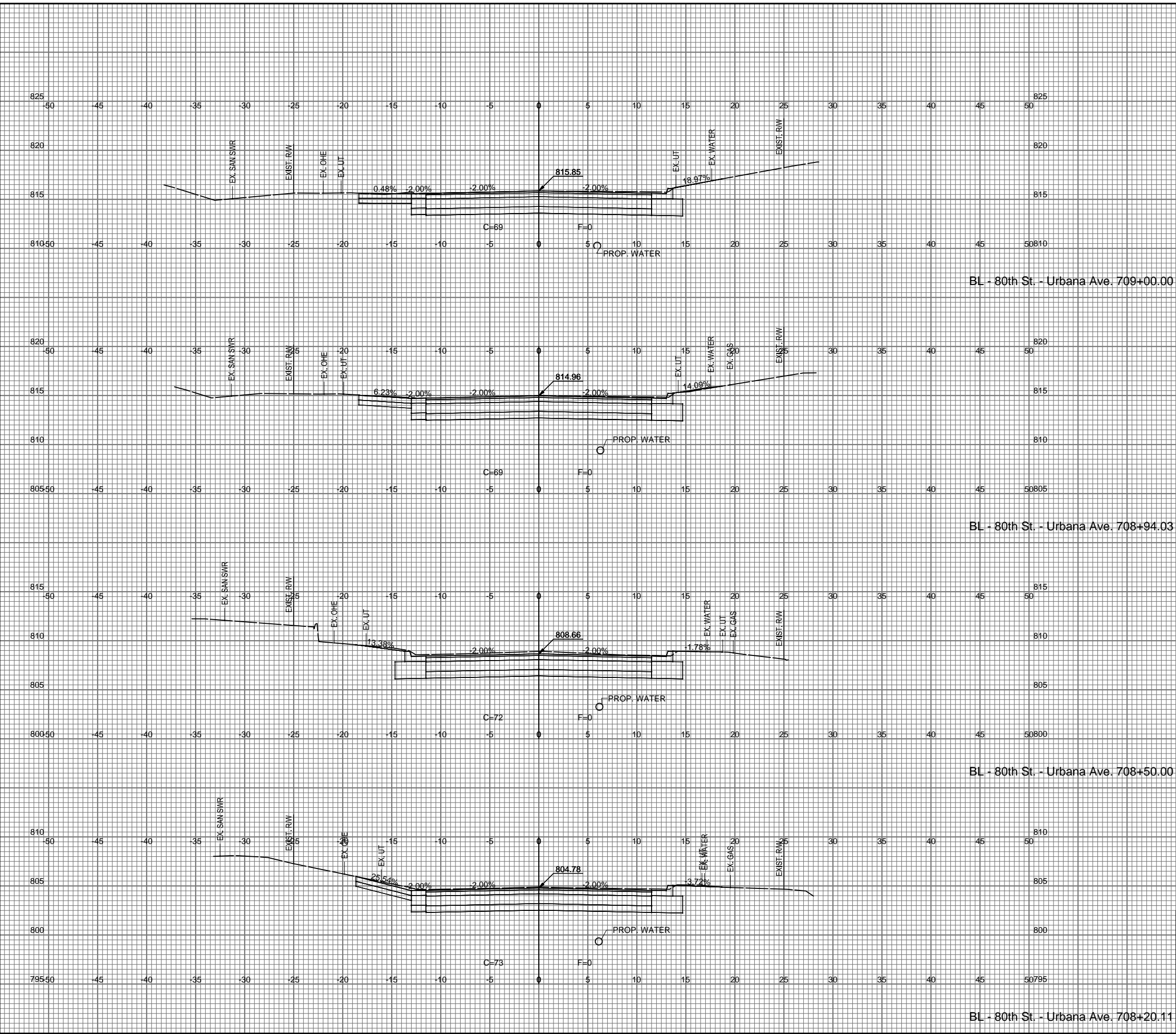
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<b>URBANA AVENUE - CROSS SECTIONS</b>			
PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023	APPROVED:
PLAN SCALE:	DRAWN CP 01/2022	DESIGNED RJP 01/2022	SURVEY JRL 06/2018
PROFILE SCALE:	PROJ. MGR.	LEAD ENGR.	FIELD MGR.
HORIZONTAL: 1" = 20'	RECOMMENDED:		
VERTICAL: 1" = 5'	DESIGN MANAGER	CITY ENGINEER	
FILE:	DRAWING:	DATE:	
ATLAS PAGE NO: 661 & 768		SHEET 300 OF 308 SHEETS	

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BL - 80th St. - Urbana Ave. 709+00.00

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BL - 80th St. - Urbana Ave. 708+50.00

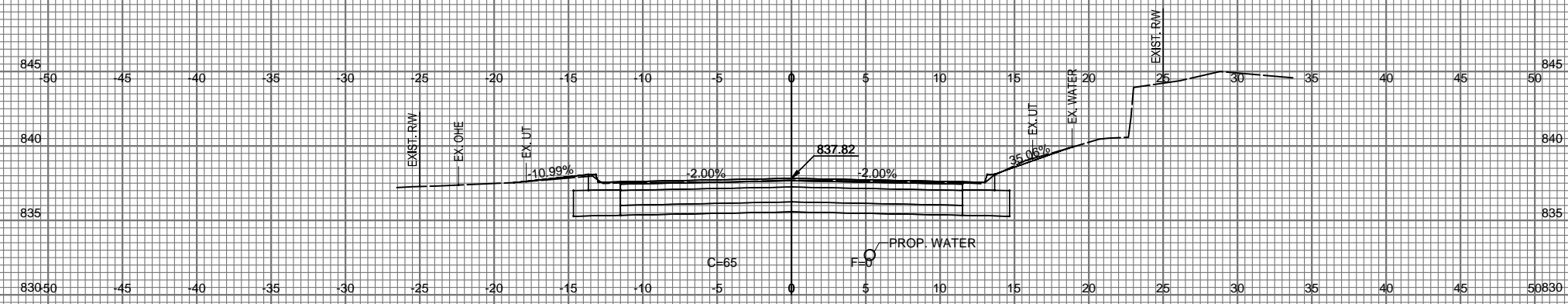
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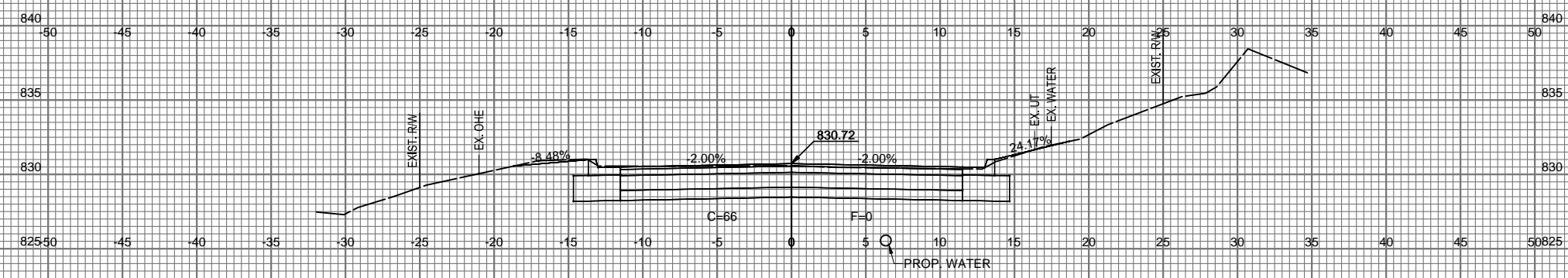
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PROJECT NUMBERS:144863-S & TMUA-W17-10			
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
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	DESIGNED	RJP	01/2022
	SURVEY	JRL	06/2018
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REVISION	BY	DATE

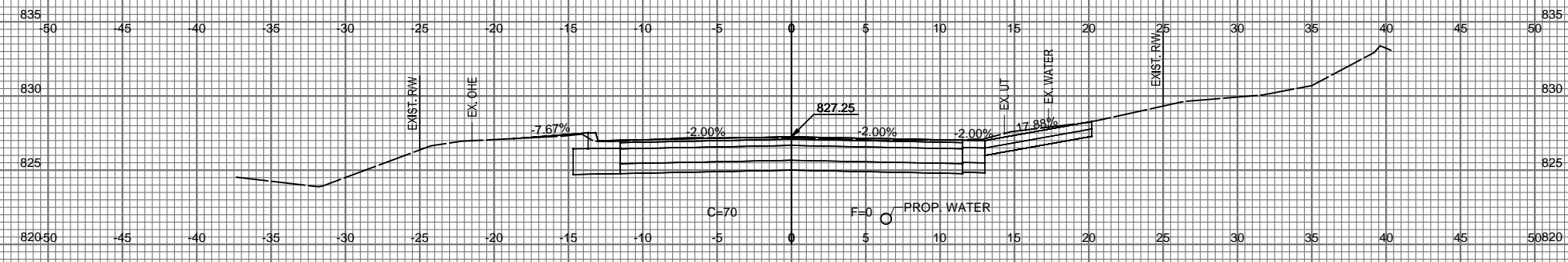
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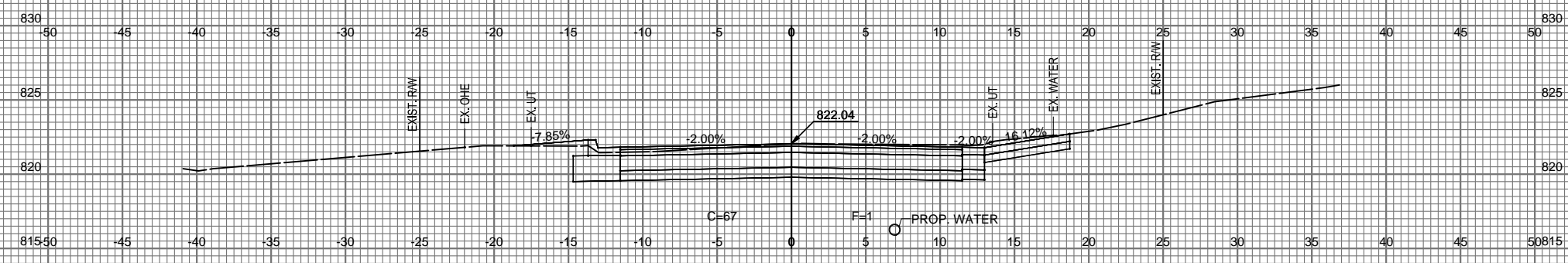
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BL - 80th St. - Urbana Ave. 710+00.00



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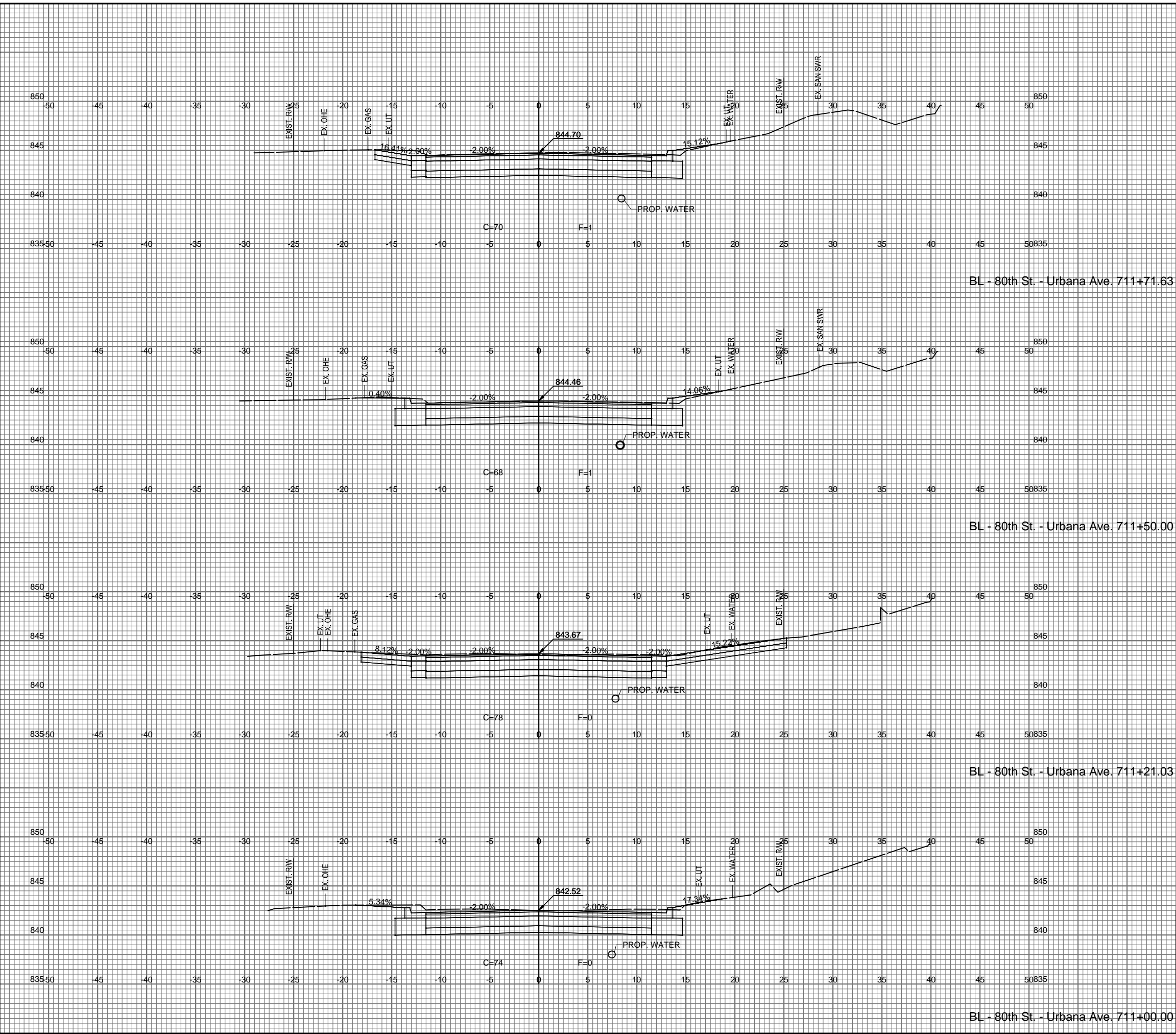


<b>URBANA AVENUE - CROSS SECTIONS</b>	
PROJECT NUMBERS: 144863-S & TMUA-W17-10	
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S	
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT	
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE, SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>
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	CITY ENGINEER:
	SHEET 302 OF 308 SHEETS

REVISION	BY	DATE



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BL - 80th St. - Urbana Ave. 711+71.63

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BL - 80th St. - Urbana Ave. 711+21.03

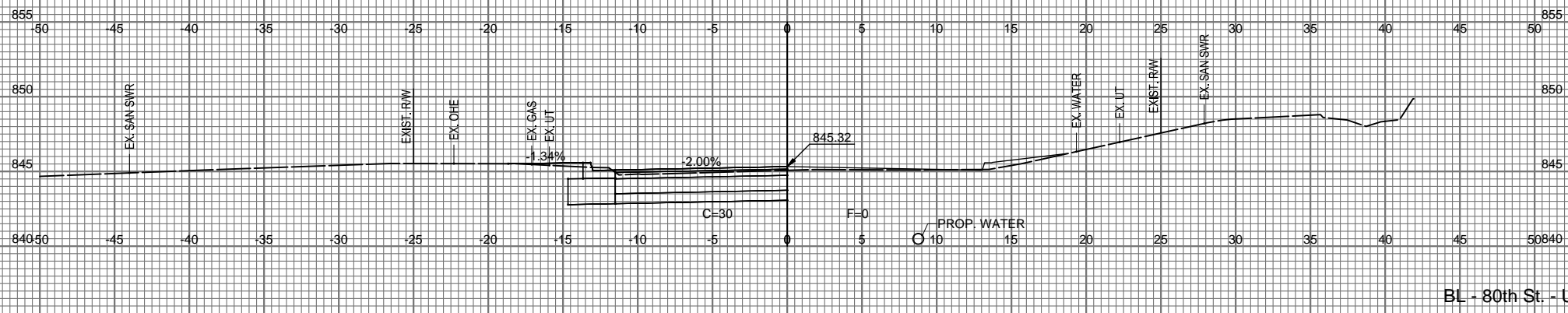
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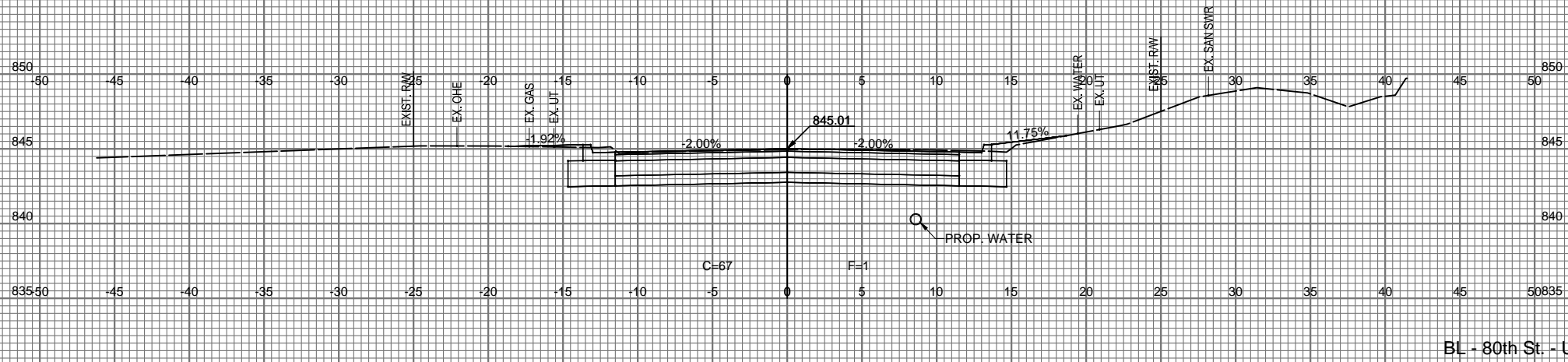
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S			
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT			
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b>	PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6900 www.ipec.com C.O.A. 1048 FE/LS EXPIRES: JUNE 30, 2023	APPROVED:
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VERTICAL: 1" = 5'	FILE:	DRAWING:	DATE:
	ATLAS PAGE NO: 661 & 768		SHEET 303 OF 308 SHEETS

REVISION	BY	DATE

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BL - 80th St. - Urbana Ave. 712+28.62



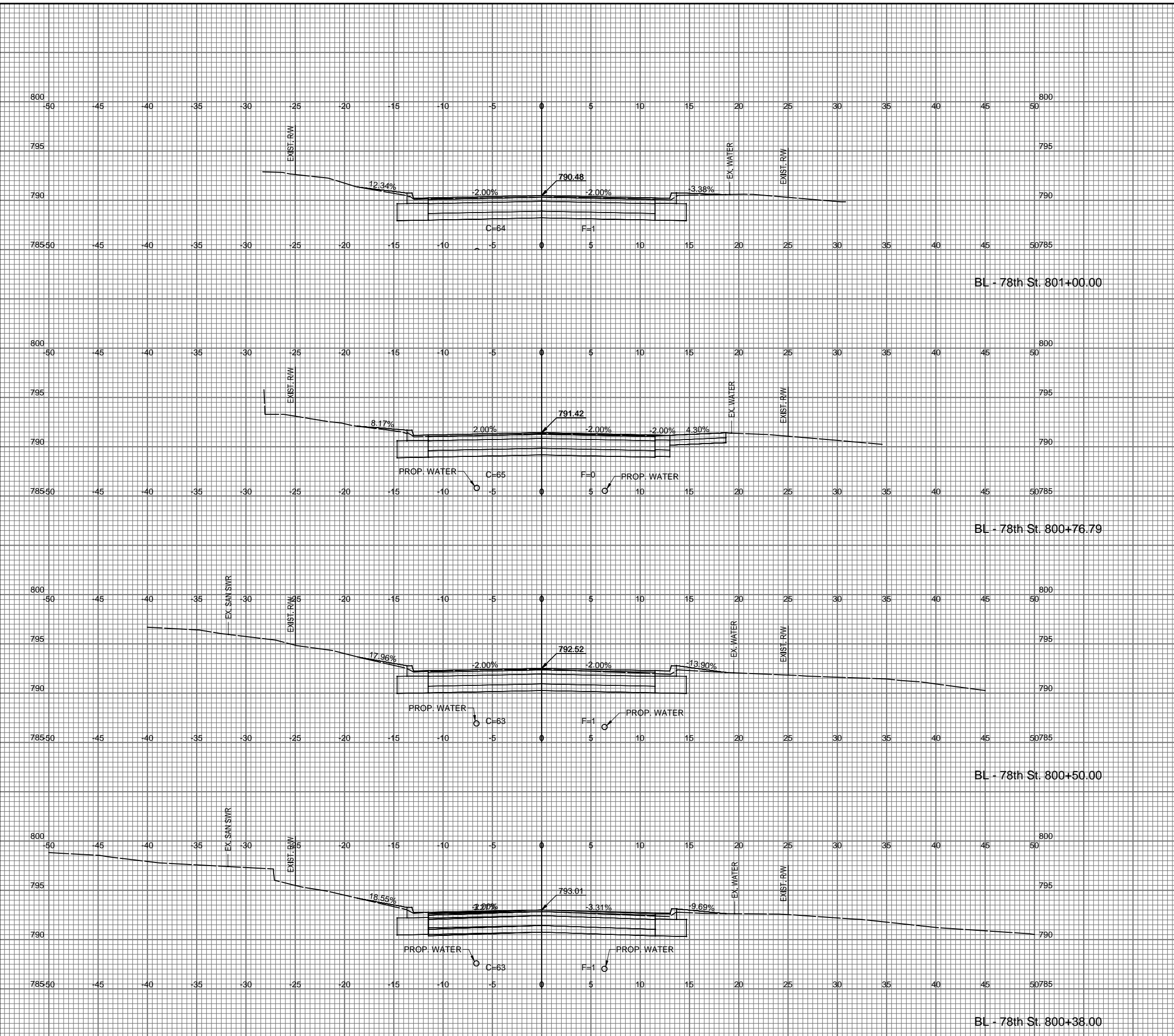
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<b>URBANA AVENUE - CROSS SECTIONS</b>													
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT - MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116 918-684-6900 www.ipec.com C.O.A. 1048 PE/LS EXPIRES: JUNE 30, 2023</small>												
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HORIZONTAL: 1" = 20'													
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ATLAS PAGE NO: 661 & 768	SHEET 304 OF 308 SHEETS												

REVISION	BY	DATE

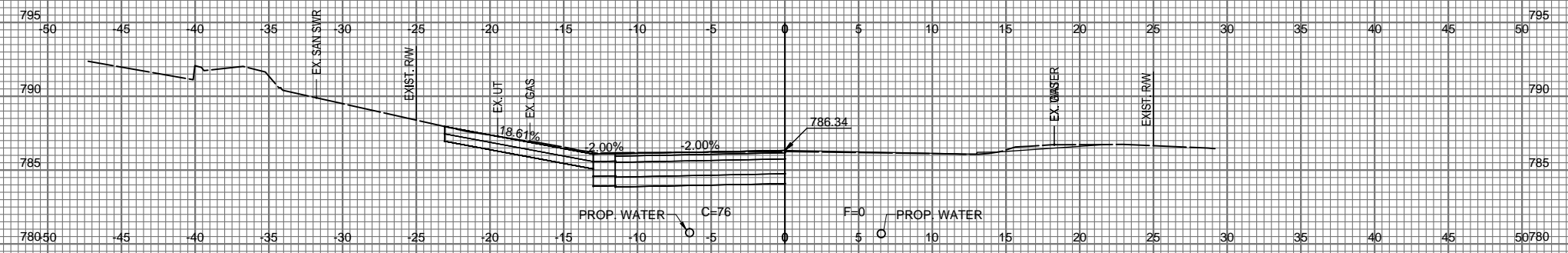
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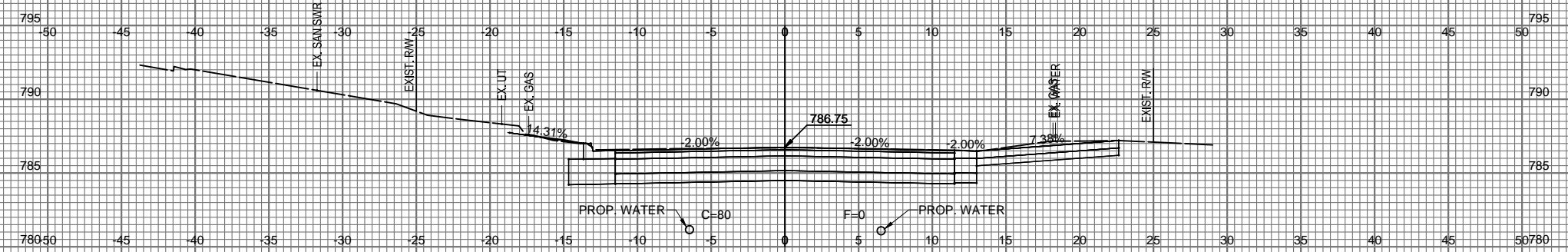
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<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
PLANS AND ESTIMATES PREPARED BY:	<b>IPEC</b> <small>PROFESSIONAL ENGINEERING CONSULTANTS, P.A. CHEROKEE BUILDING 4150 S. 100TH E. AVE., SUITE 401 TULSA, OK 74116-6500 www.ipec.com C.O.A. 1045 PE/LS EXPIRES: JUNE 30, 2023</small>												
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DRAWN	CP	01/2022	APPROVED:										
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ATLAS PAGE NO: 661 & 768	SHEET 305 OF 308 SHEETS												

REVISION	BY	DATE

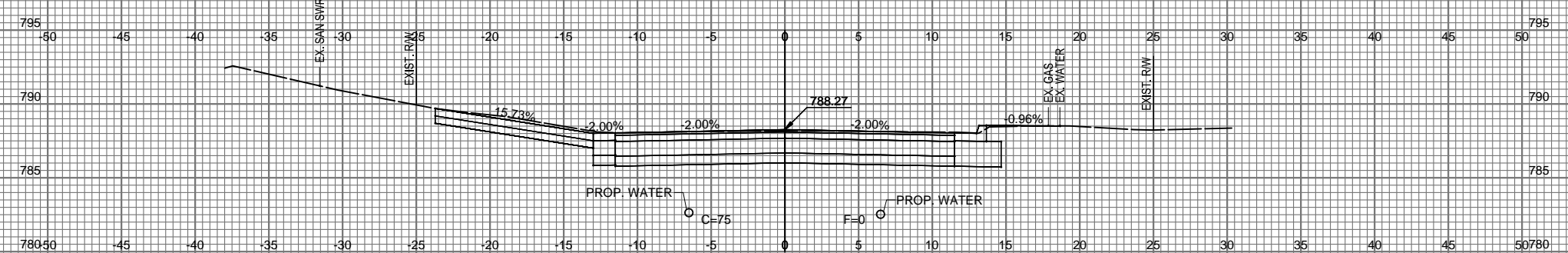
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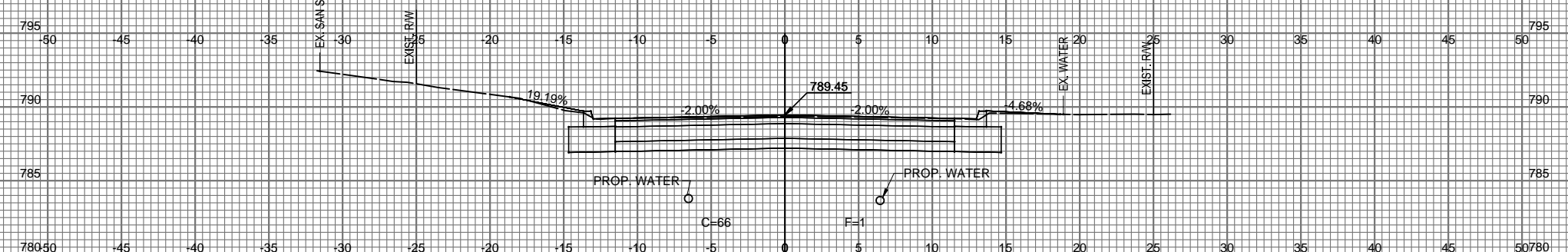
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BL - 78th St. 801+54.12



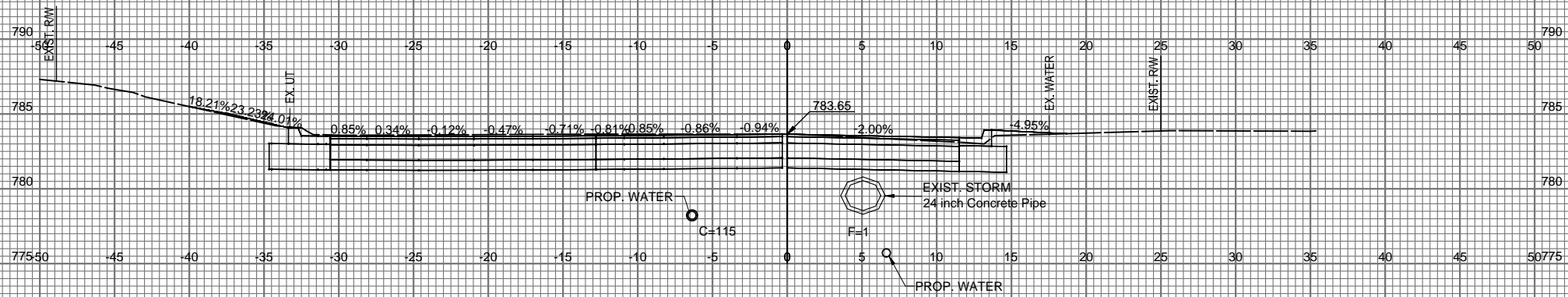
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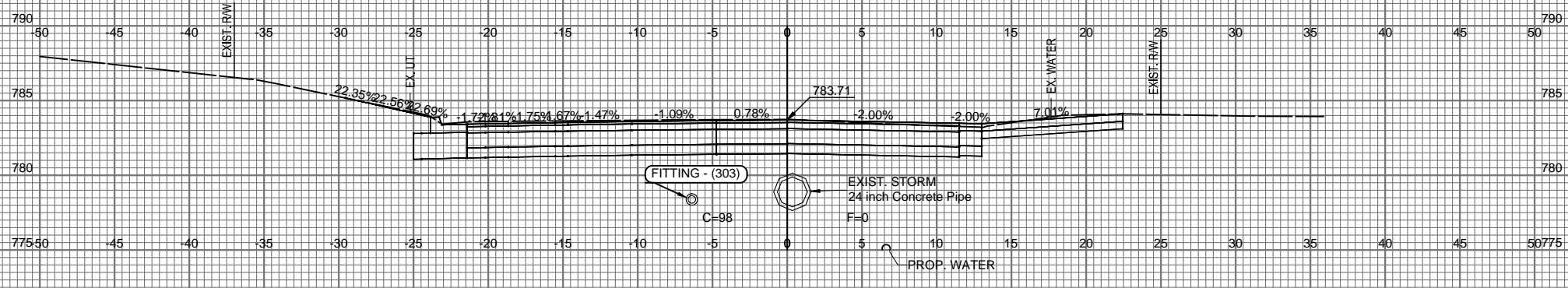
78TH STREET - CROSS SECTIONS													
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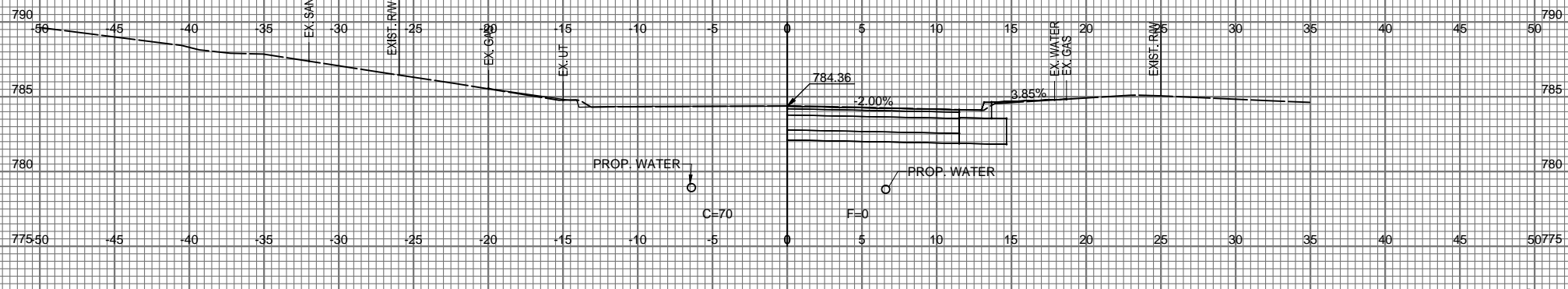
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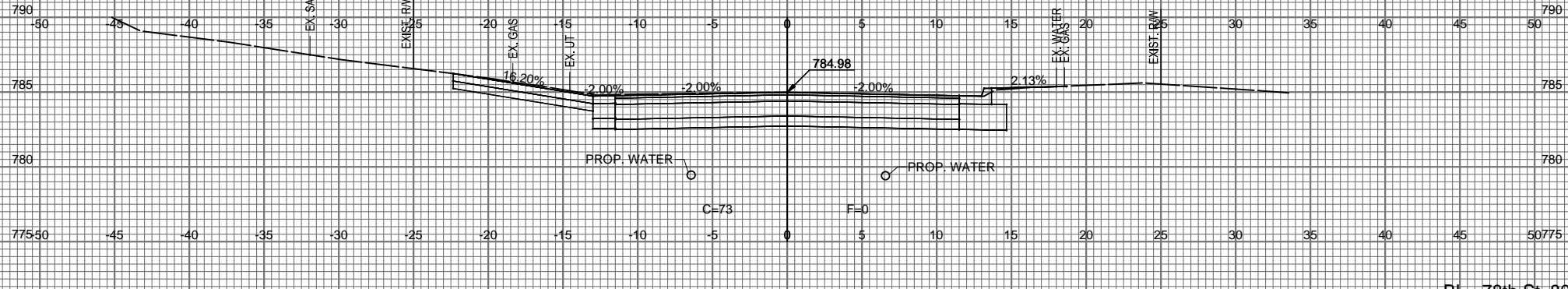
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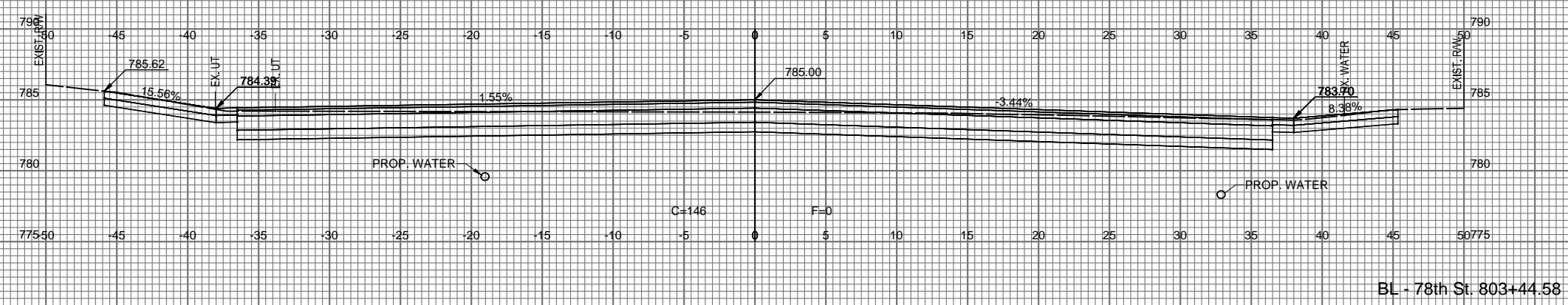
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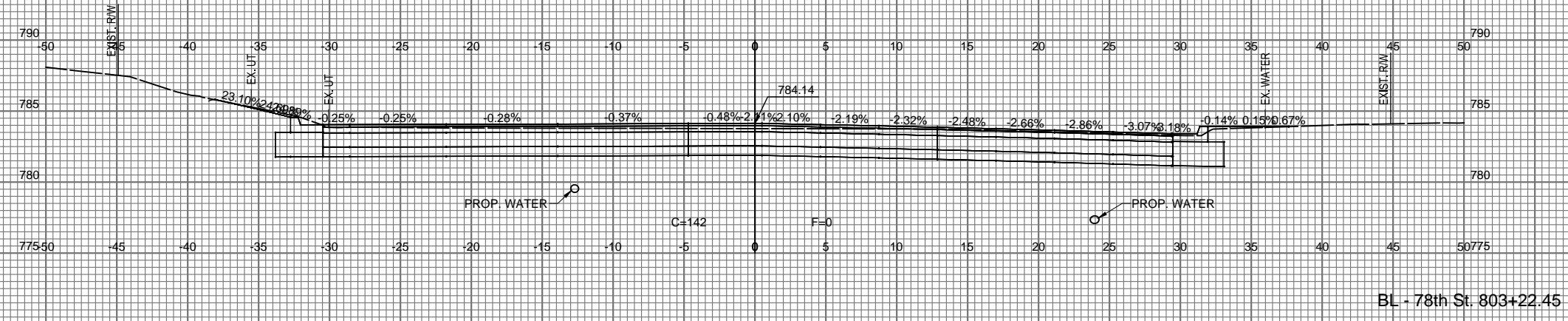
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NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S													
<b>CITY OF TULSA, OKLAHOMA</b> ENGINEERING SERVICES DEPARTMENT													
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ATLAS PAGE NO: 661 & 768	SHEET 307 OF 308 SHEETS												

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BL - 78th St. 803+44.58



BL - 78th St. 803+22.45



<b>78TH STREET - CROSS SECTIONS</b>											
PROJECT NUMBERS: 144863-S & TMUA-W17-10											
NON-ARTERIAL STREET REHABILITATION AND WATERLINE REPLACEMENT-MAINTENANCE ZONE 8063-S											
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