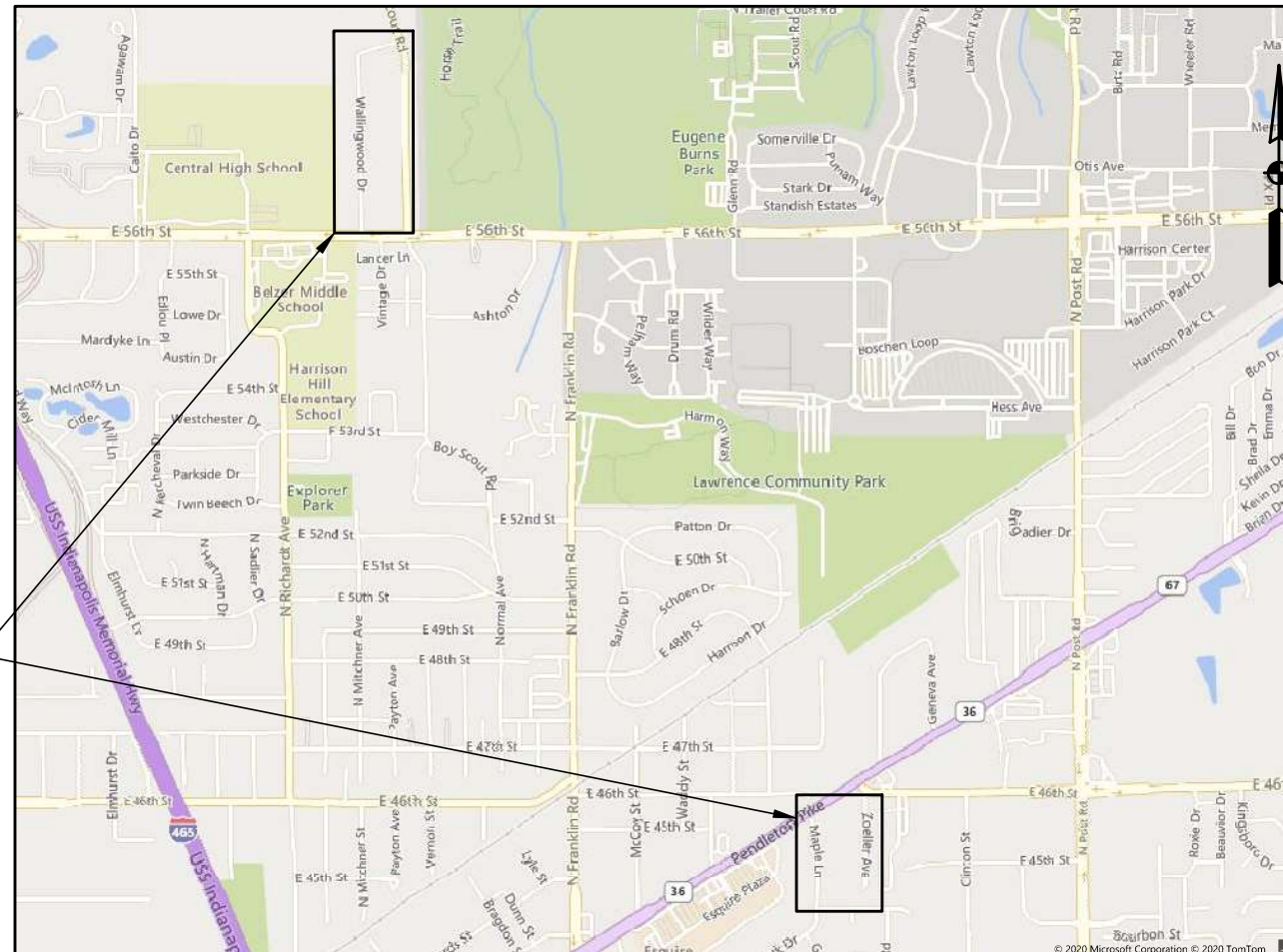


CITY OF LAWRENCE

MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

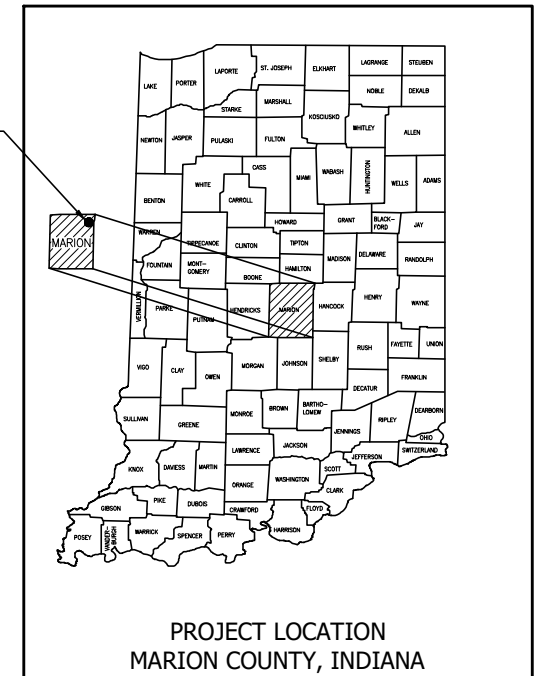
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SHEET NO.	DESCRIPTION
1	TITLE & LOCATION MAP
2	GENERAL NOTES
3	SURVEY INFORMATION AND NOTES
4	CONTROL POINT REFERENCES
8	WATER MAIN AND STORM WATER KEY MAP
5	TYPICAL SECTIONS
6 - 7	MAINTENANCE OF TRAFFIC
9 - 10	WATER MAIN PLAN & PROFILE - MAPLE LANE
11 - 12	WATER MAIN PLAN & PROFILE - ZOELLER AVENUE
13 - 16	WATER MAIN PLAN & PROFILE - WALLINGWOOD DRIVE
17 - 20	STORM WATER PLAN & PROFILE - WALLINGWOOD DRIVE
21	CROSSING CULVERT LAYOUT
22	CONNECTION DETAILS
23 - 24	WATER MAIN DETAILS
25	STORM WATER DETAILS
26	SANITARY AND STREET DETAILS
27	SURFACE RESTORATION AND EROSION CONTROL KEY MAP
28-31	SURFACE RESTORATION
32-35	EROSION CONTROL
36	STORM WATER POLLUTION PREVENTION PLAN
37	EROSION CONTROL DETAILS
38 - 39	STRUCTURE DATA TABLES

MAPLE LANE: MEADOWLARK DRIVE TO PENDLETON PIKE
 ZOELLER AVENUE: ZOELLER AVENUE TO EAST 46th STREET
 WALLINGWOOD DRIVE: EAST 56th STREET TO BOY SCOUT ROAD
 SECTION 1, TOWNSHIP 16N, RANGE 4E, MARION COUNTY, INDIANA
 SECTION 18, TOWNSHIP 16N, RANGE 5E, MARION COUNTY, INDIANA



SITE LOCATION

CITY OF LAWRENCE



PROJECT LOCATION
MARION COUNTY, INDIANA

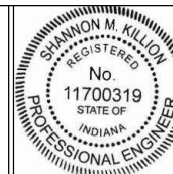
PLANS PREPARED FOR:
 CITY OF LAWRENCE UTILITIES
 9001 EAST 59TH STREET
 LAWRENCE, IN 46216
 (317) 542-0511
 CONTACT PERSON:
 SCOTT SALSBERY

LOCATION MAP
MARION COUNTY



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MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

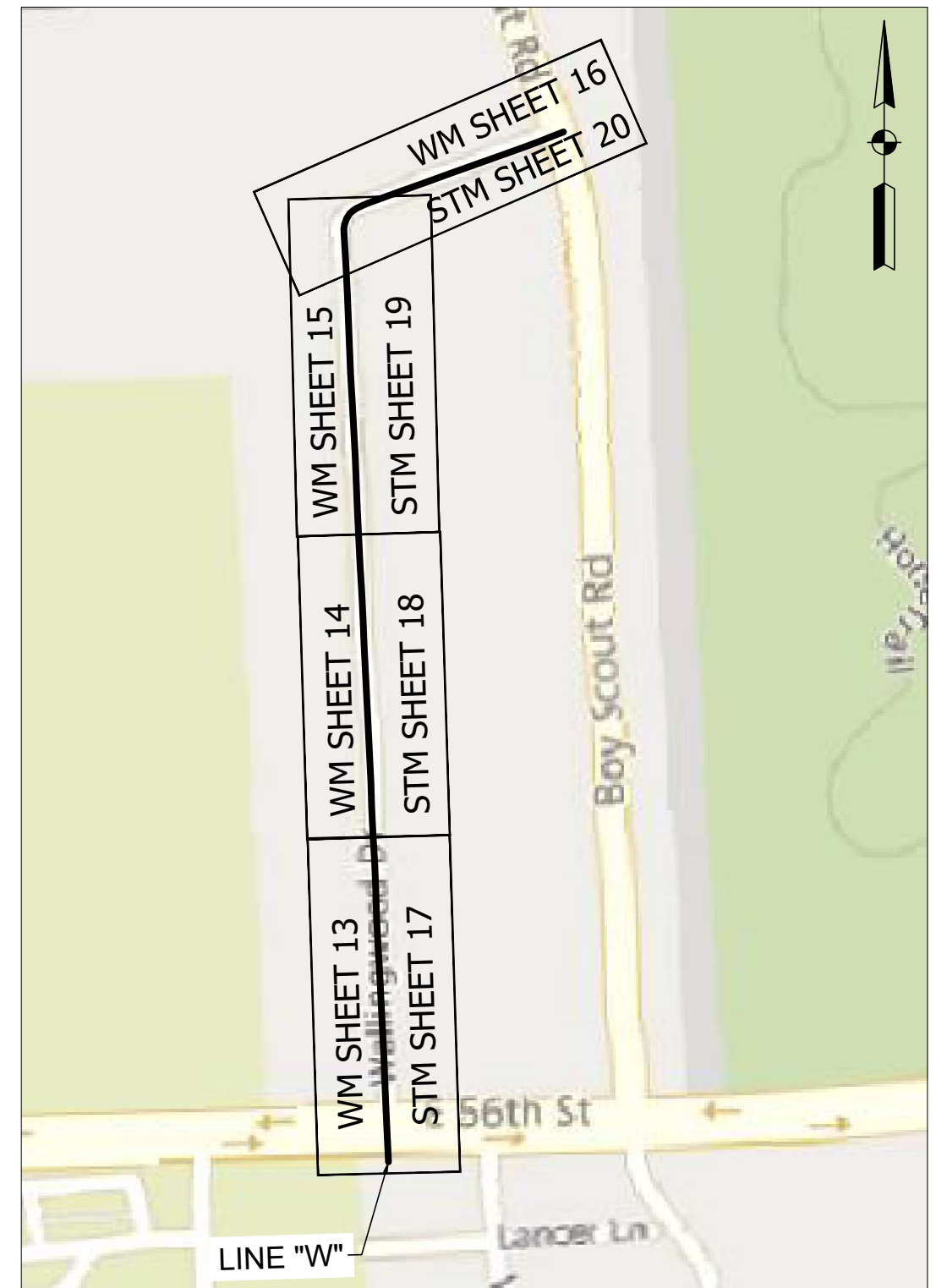
TITLE & LOCATION MAP

Shannon Killion, PE, ENV SP
201 North Illinois St. Suite 1700,
Indianapolis, IN 46204
317.436.4821

SURVEY BOOK	SHEETS
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	R200868.00

DATE
APRIL 2021
DESIGNATION

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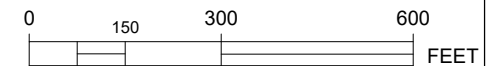
KEY NOTES:

WS1 PROVIDE AND INSTALL NEW 1/2" HDPE SERVICE LINE COMPLETE WITH ELECTROFUSION TAPPING TEE, CURB STOP/BOX, AND METER PIT ASSEMBLY. METER PIT ASSEMBLY SHALL INCLUDE THE PIT AND LID, TYPE K COPPER PIPING INTO AND OUT OF THE PIT, ANGLED VALVED AND ANGLED CHECK VALVE, AND COPPER METER IDLER (AKA "JUMPER"). RECONNECT METER ASSEMBLY TO EXISTING PRIVATE SERVICE LINE WITH A COUPLING LOCATED 18" OUTSIDE OF THE PIT. REINSTALL THE METER. MAINTAIN EXISTING SERVICE LINE UNTIL NEW MAIN IS COMMISSIONED. INSTALLED NEW SERVICE LINE BEFORE EXISTING MAIN IS ABANDONED. REMOVE AND DISPOSE OF EXISTING METER PIT AND CURB BOX.

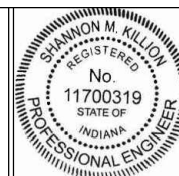
WS2 PROVIDE AND INSTALL NEW 1/2" TYPE K COPPER SERVICE LINE COMPLETE WITH TAPPING SADDLE, CORPORATION STOP, CURB STOP/BOX, AND METER PIT ASSEMBLY. METER PIT ASSEMBLY SHALL INCLUDE THE PIT AND LID, TYPE K COPPER PIPING INTO AND OUT OF THE PIT, ANGLED VALVED AND ANGLED CHECK VALVE, AND COPPER METER IDLER (AKA "JUMPER"). RECONNECT METER ASSEMBLY TO EXISTING PRIVATE SERVICE LINE WITH A COUPLING LOCATED 18" OUTSIDE OF THE PIT. REINSTALL THE METER. MAINTAIN EXISTING SERVICE LINE UNTIL NEW MAIN IS COMMISSIONED. INSTALLED NEW SERVICE LINE BEFORE EXISTING MAIN IS ABANDONED. REMOVE AND DISPOSE OF EXISTING METER PIT AND CURB BOX.

S1 APPLY CEMENTITIOUS LINING PER SPECIFICATION, INSTALL NEW FRAME AND COVER, ADJUST TO GRADE AS NEEDED.

W1 ABANDON VALVE IN PLACE BY CLOSING VALVE, REMOVING VALVE BOX, AND BACKFILLING.



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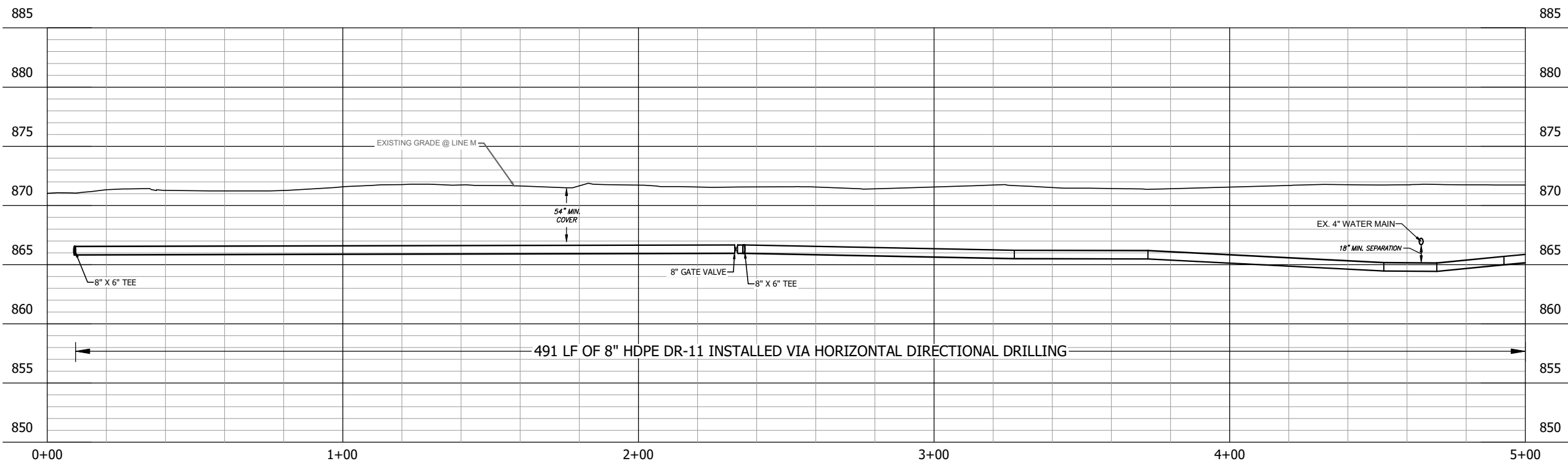
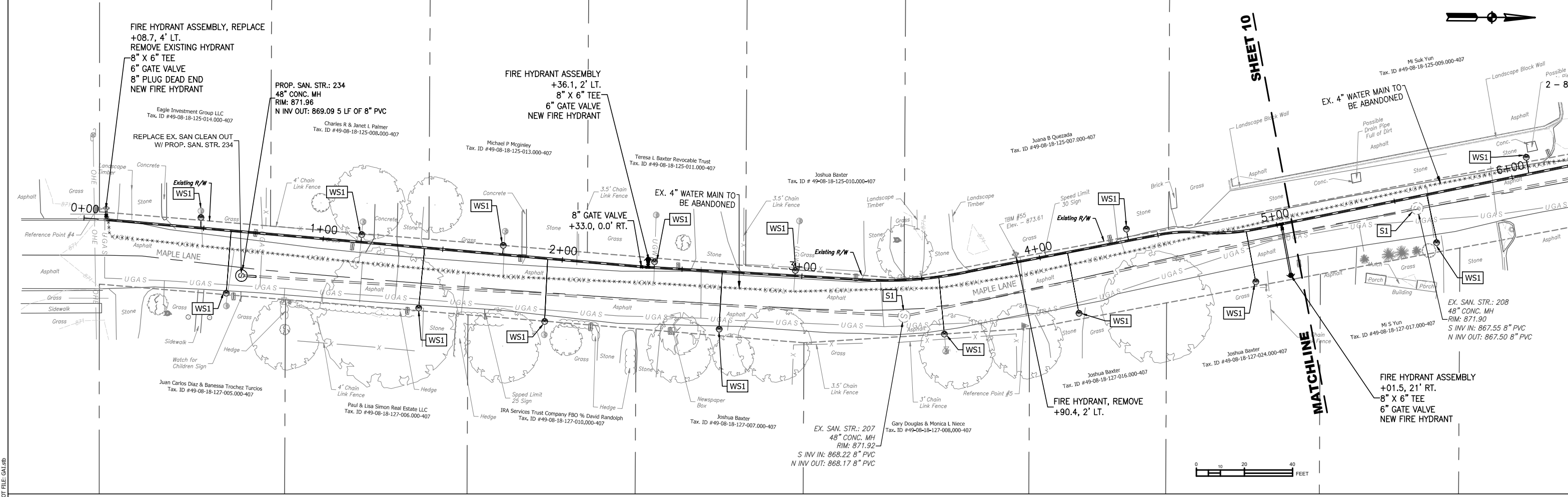


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MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

WATER MAIN AND STORM WATER KEY MAP

	DATE
	APRIL 2021
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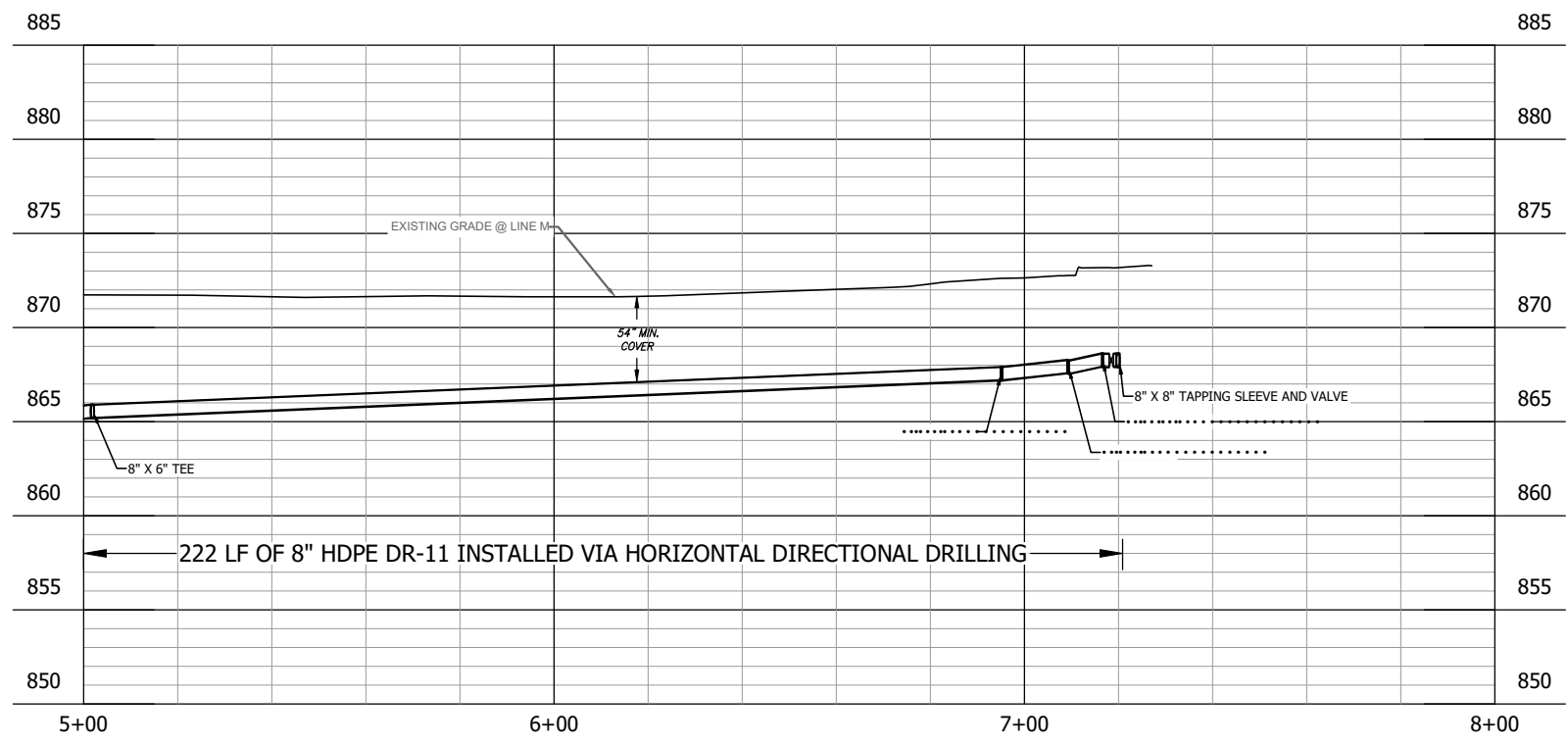
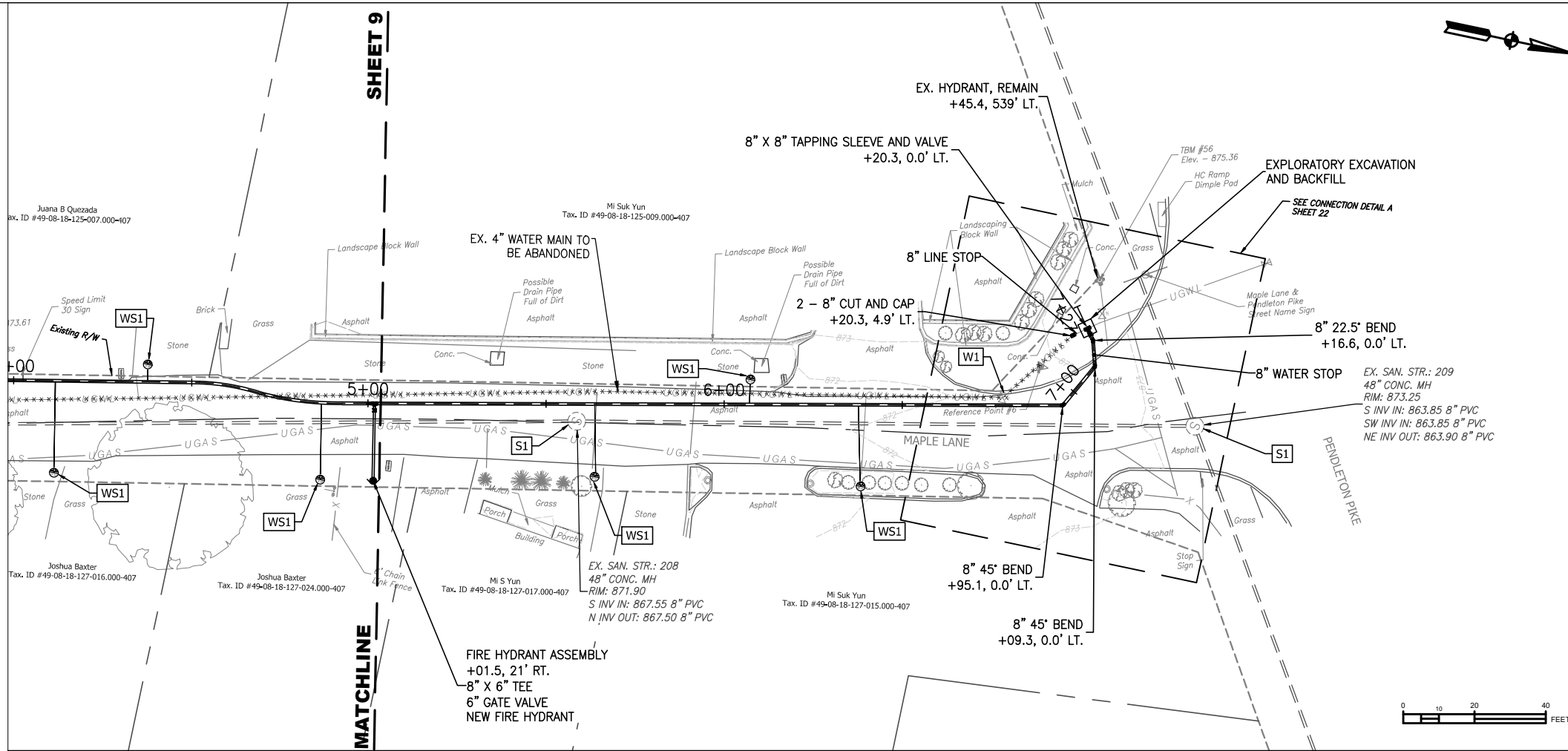


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MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT
WATER MAIN PLAN & PROFILE - MAPLE LANE

HORIZONTAL SCALE 1" = 20'	DATE APRIL 2021
VERTICAL SCALE 1" = 5'	DESIGNATION
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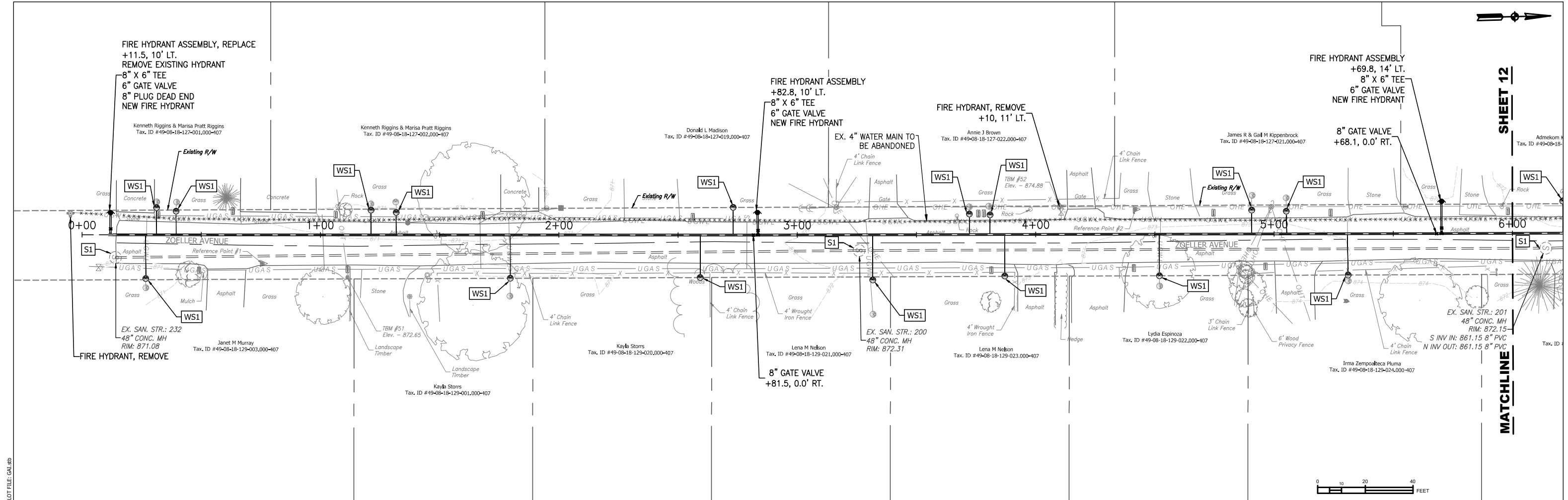


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DESIGN ENGINEER DATE
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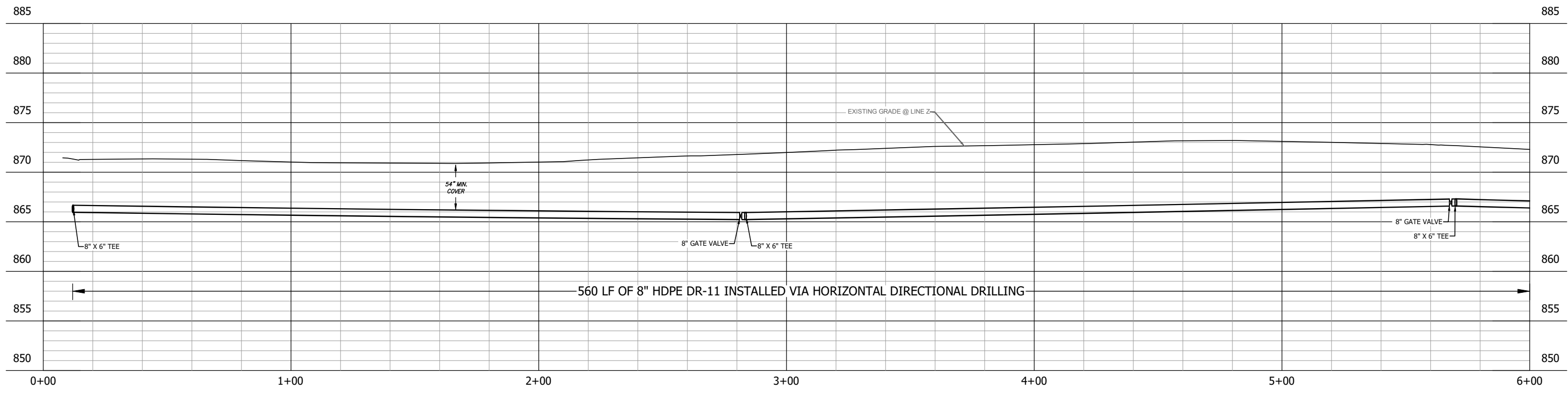
MAPLE LANE, ZOELLER AVENUE, AND
WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

WATER MAIN PLAN & PROFILE -
MAPLE LANE

HORIZONTAL SCALE 1" = 20'	DATE APRIL 2021
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS 10 of 39
CONTRACT	PROJECT



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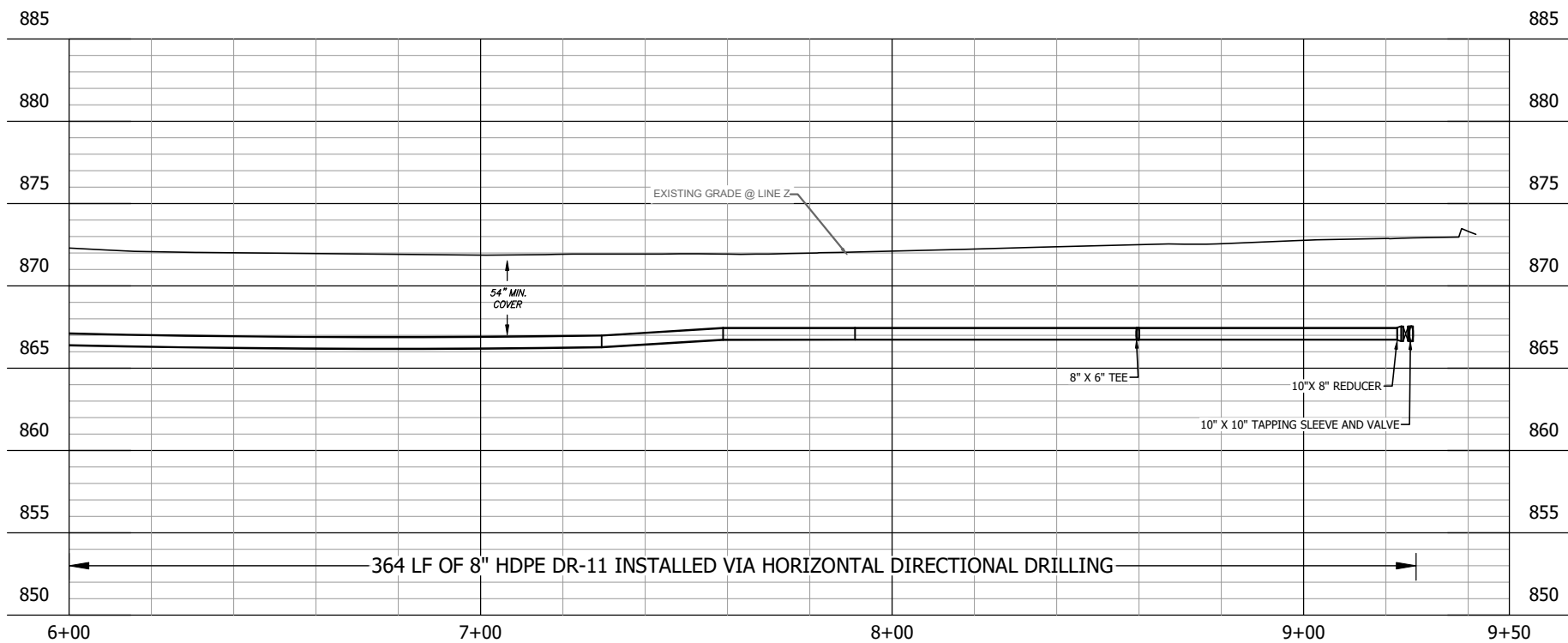
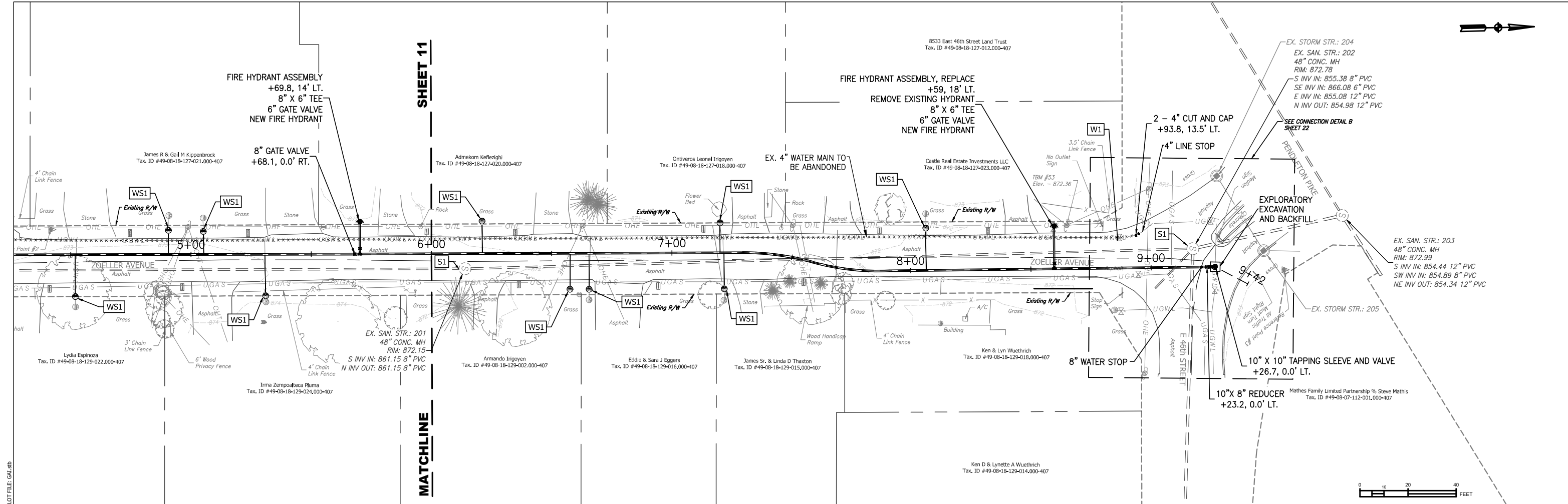
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PURPOSES**



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MAPLE LANE, ZOELLER AVENUE, AND
 WALLINGWOOD DRIVE WATER MAIN REPLACEMENT
 WATER MAIN PLAN & PROFILE -
 ZOELLER AVENUE

HORIZONTAL SCALE 1" = 20'	DATE APRIL 2021
VERTICAL SCALE 1" = 5'	DESIGNATION
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FOR BIDDING
PURPOSES**



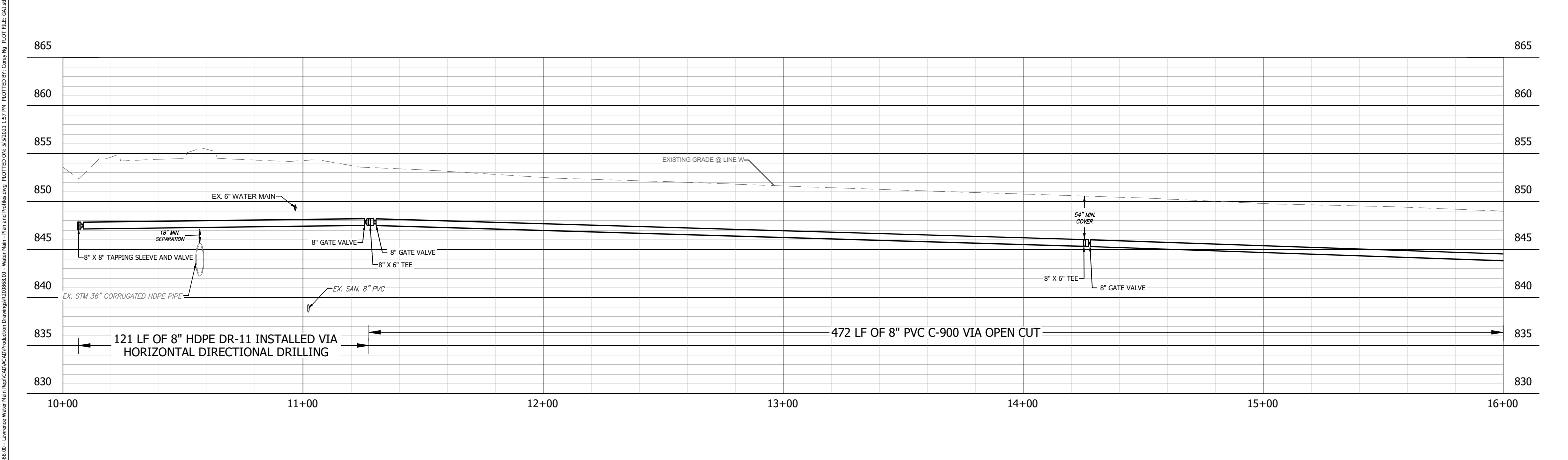
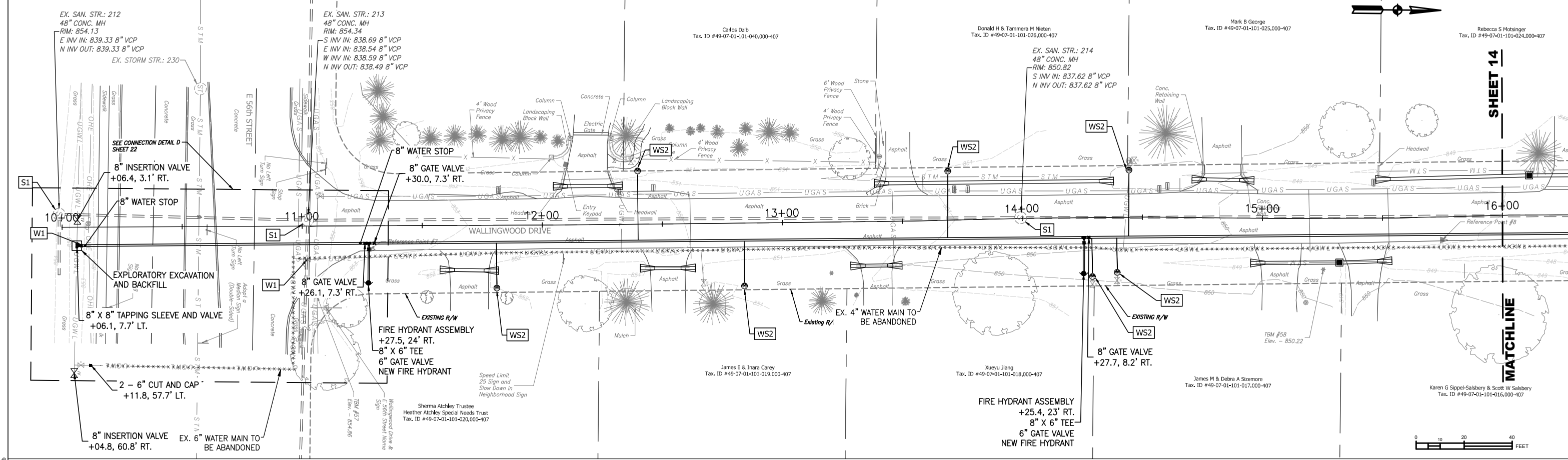
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MAPLE LANE, ZOELLER AVENUE, AND
WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

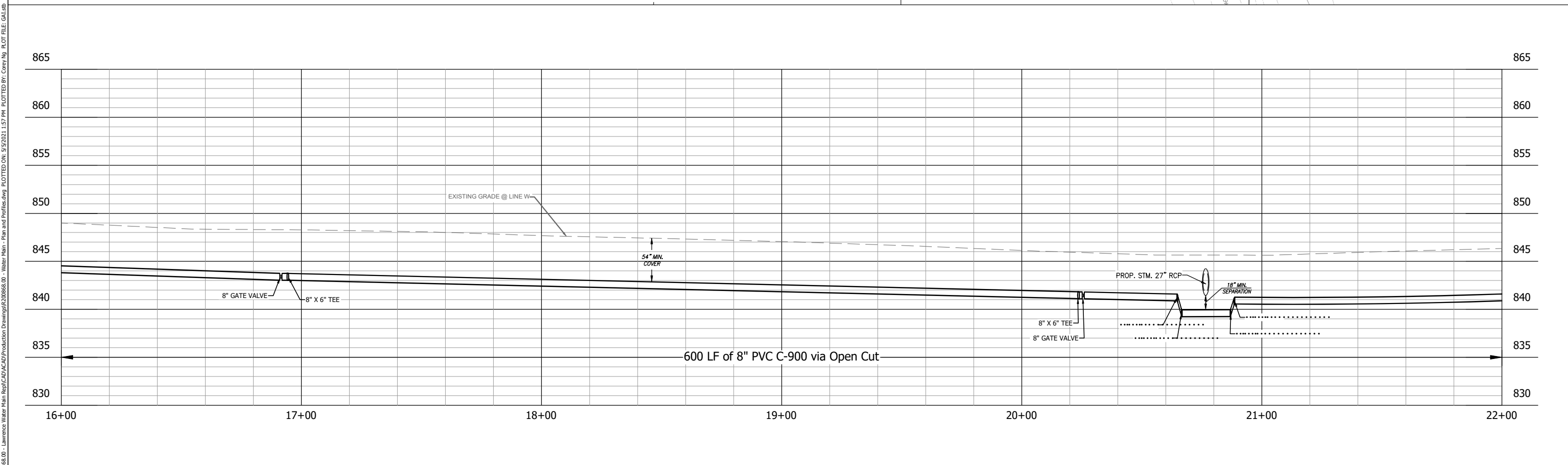
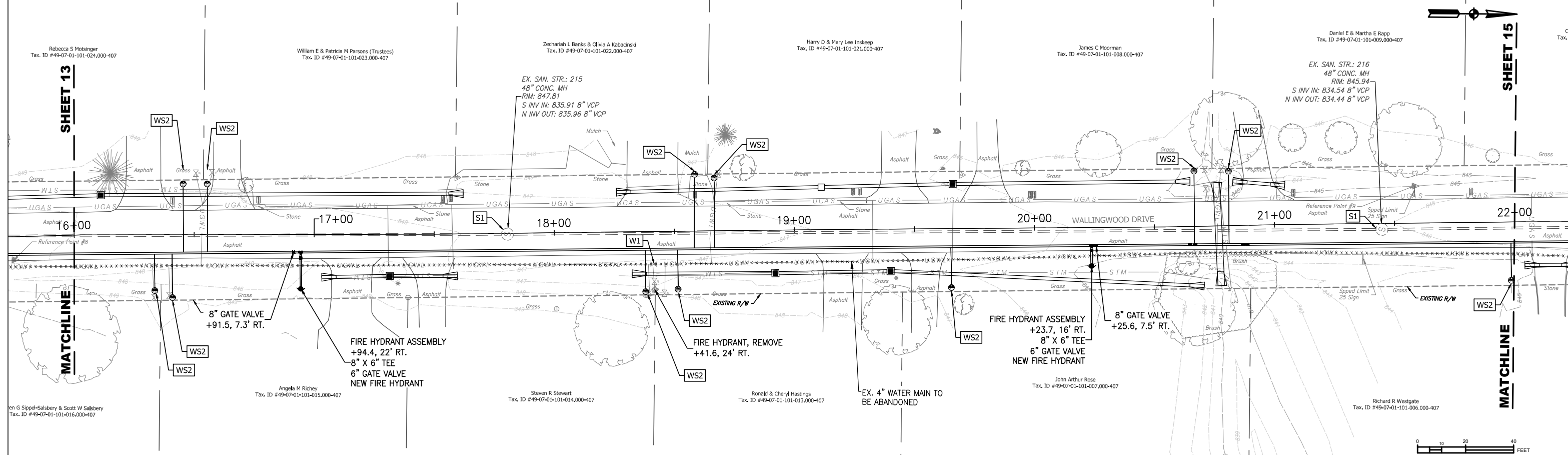
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ZOELLER AVENUE**

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VERTICAL SCALE 1" = 5'	DESIGNATION
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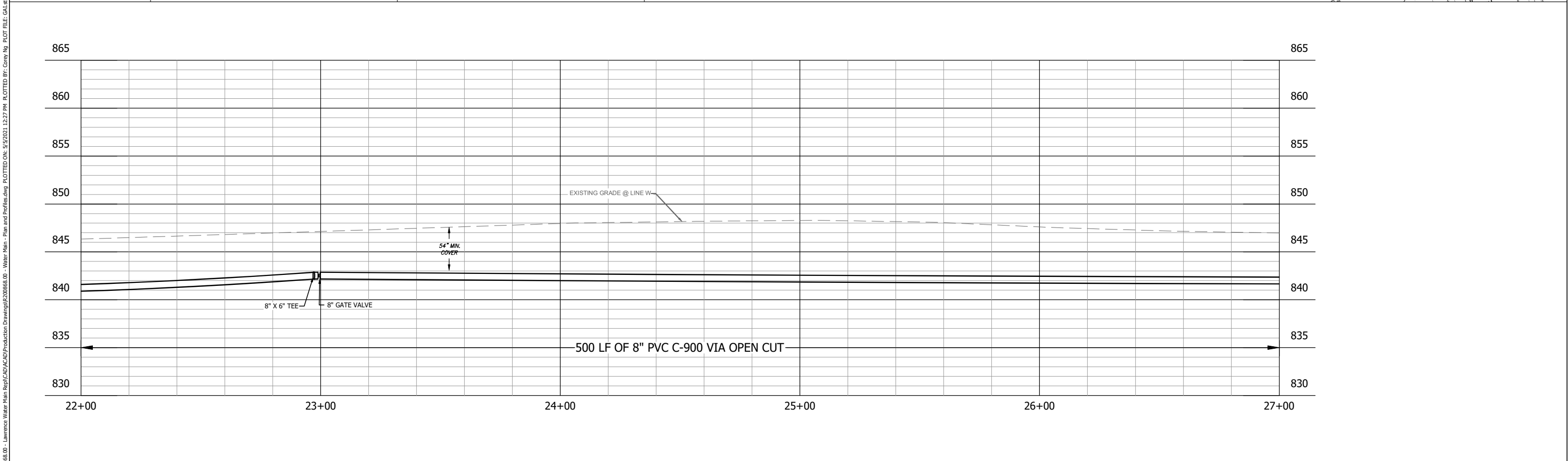
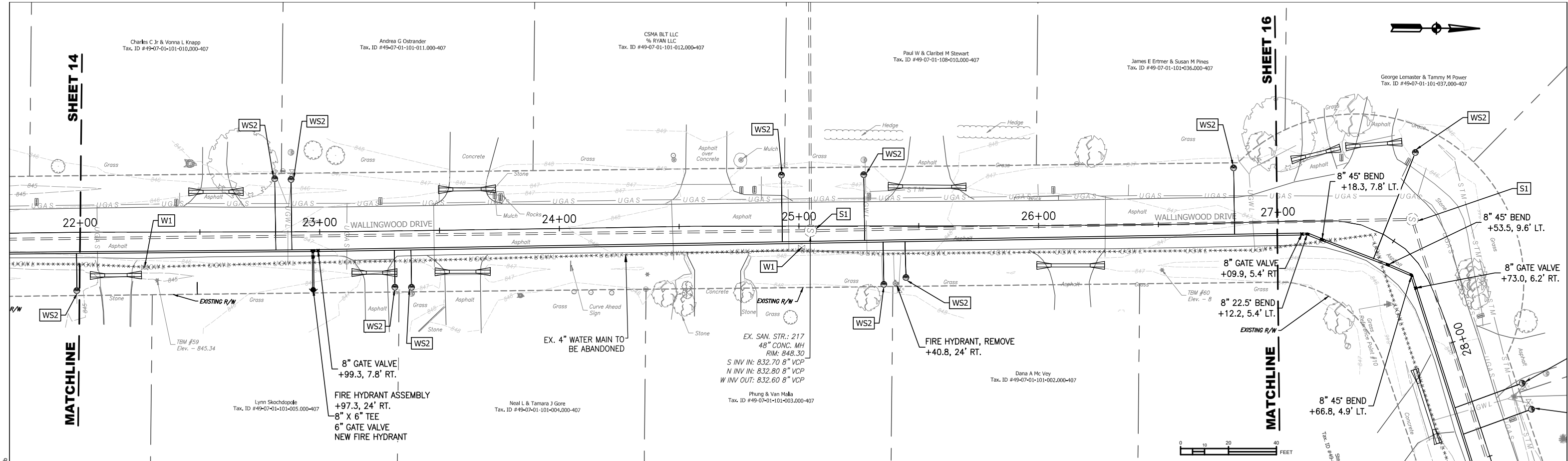
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<p>100% PLANS FOR BIDDING PURPOSES</p>			RECOMMENDED FOR APPROVAL <i>Shannon M. Killion</i>	DATE	<p>MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT</p>	HORIZONTAL SCALE 1" = 20'	DATE APRIL 2021
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						CONTRACT	PROJECT

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PURPOSES**

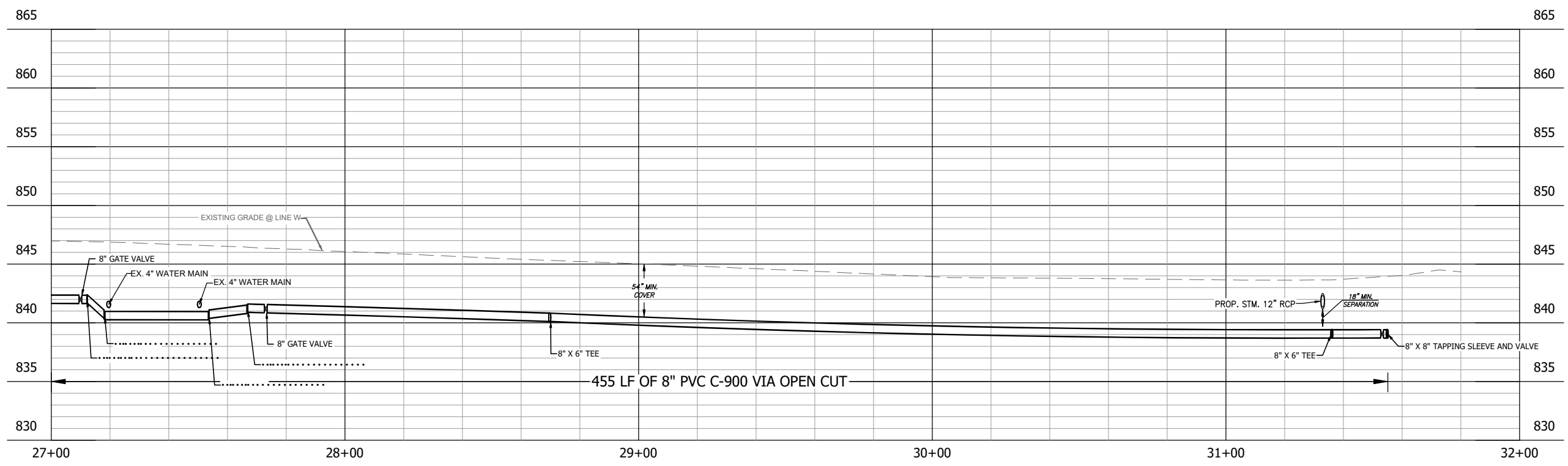
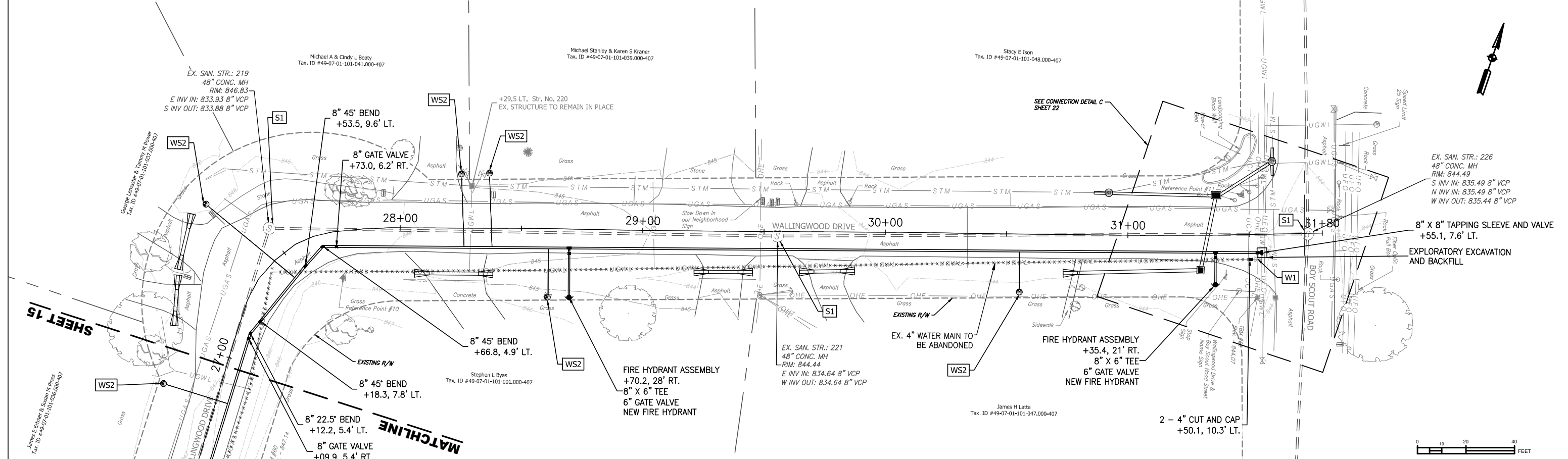


RECOMMENDED FOR APPROVAL	<i>Shamon M. Killion</i>	DESIGN ENGINEER	DATE
DESIGNED: CAN		DRAWN: CAN	
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MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

WATER MAIN PLAN & PROFILE - WALLINGWOOD DRIVE

HORIZONTAL SCALE	DATE
1" = 20'	APRIL 2021
VERTICAL SCALE	DESIGNATION
1" = 5'	
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT



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**100% PLANS
FOR BIDDING
PURPOSES**



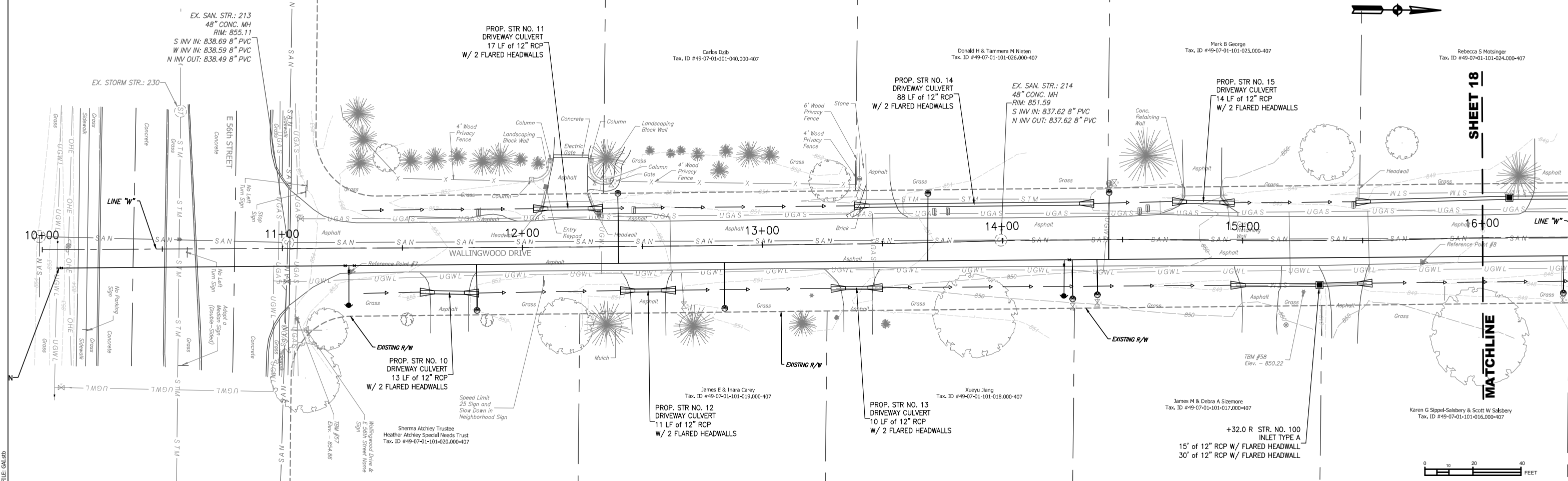
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MAPLE LANE, ZOELLER AVENUE, AND
WALLINGWOOD DRIVE WATER MAIN REPLACEMENT

**WATER MAIN PLAN & PROFILE -
WALLINGWOOD DRIVE**

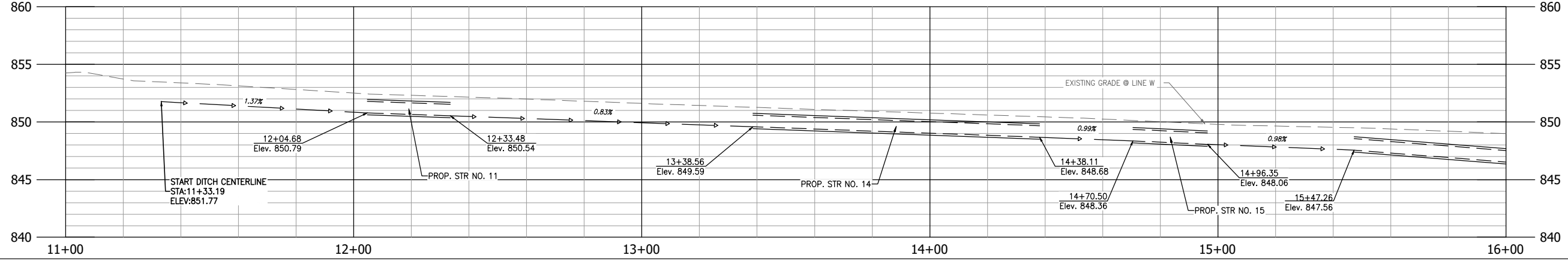
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VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS 16 of 39
CONTRACT	PROJECT



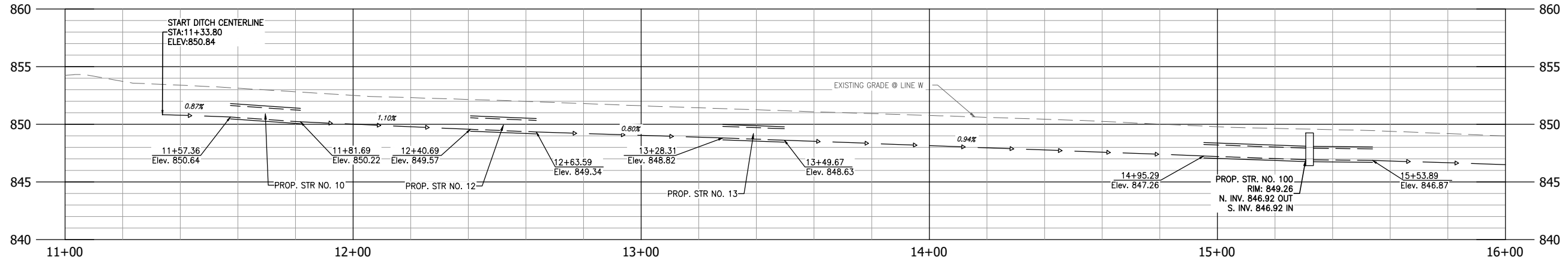
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MATCHLINE

WEST PROFILE



EAST PROFILE



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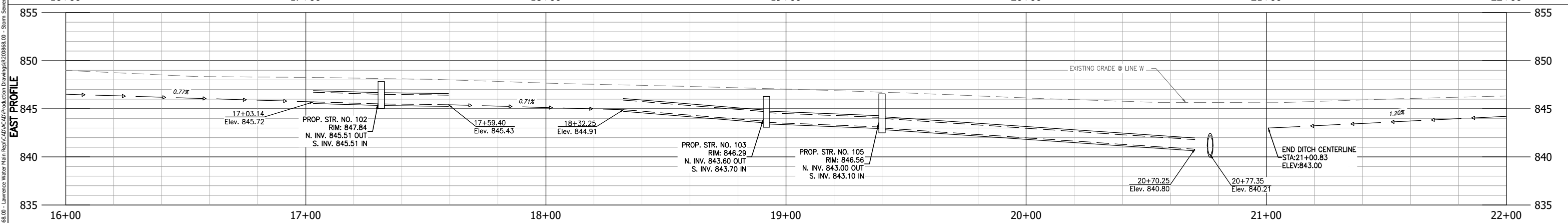
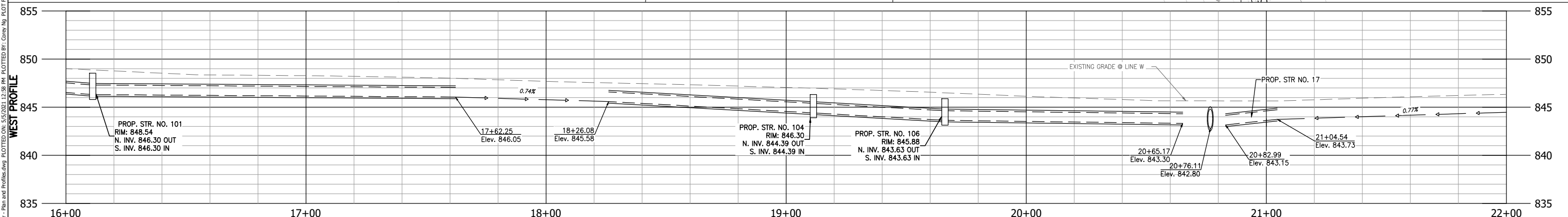
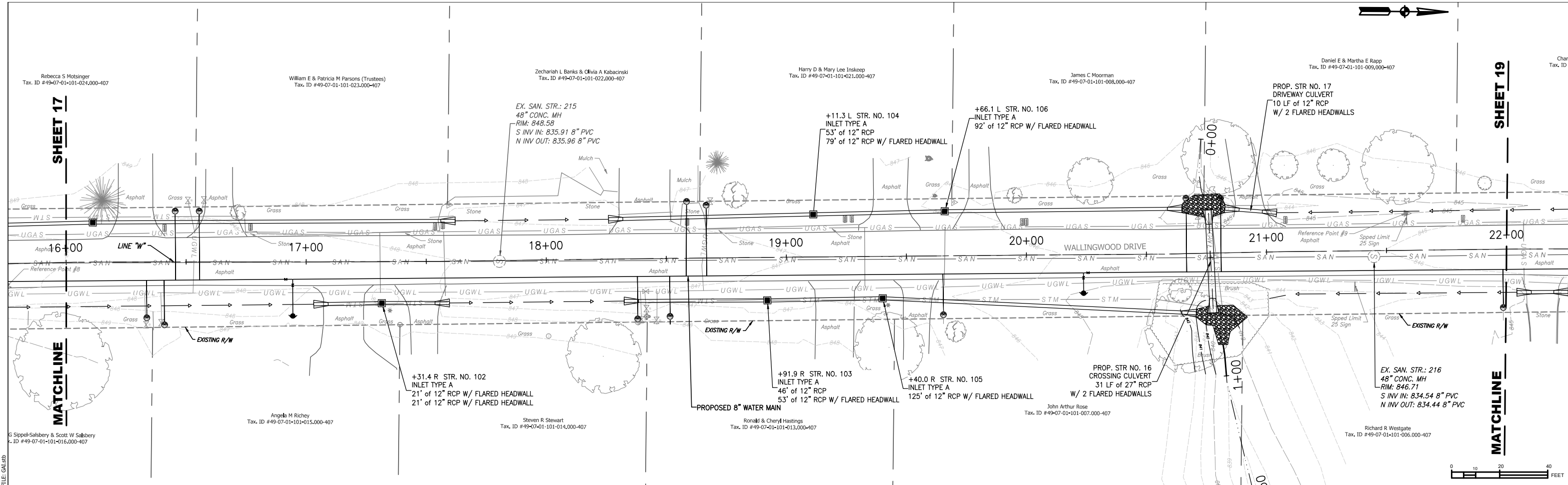
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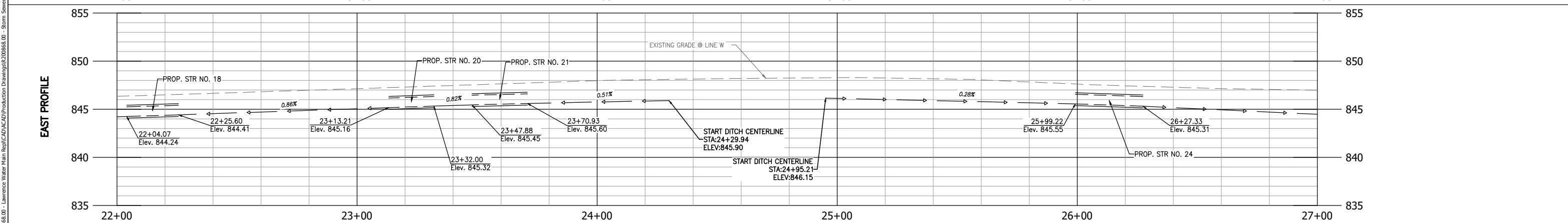
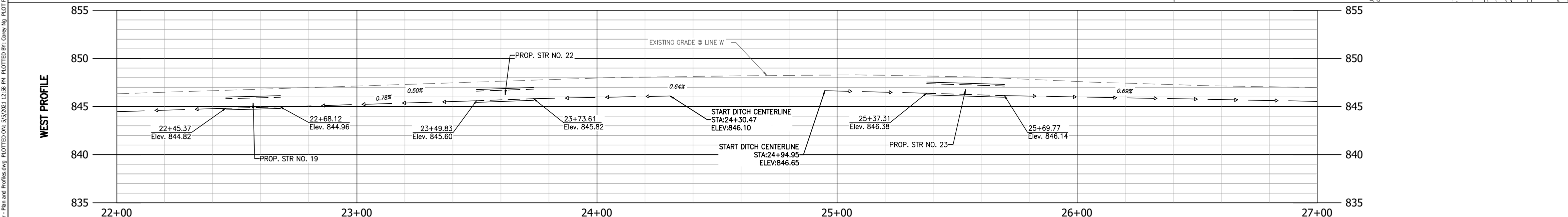
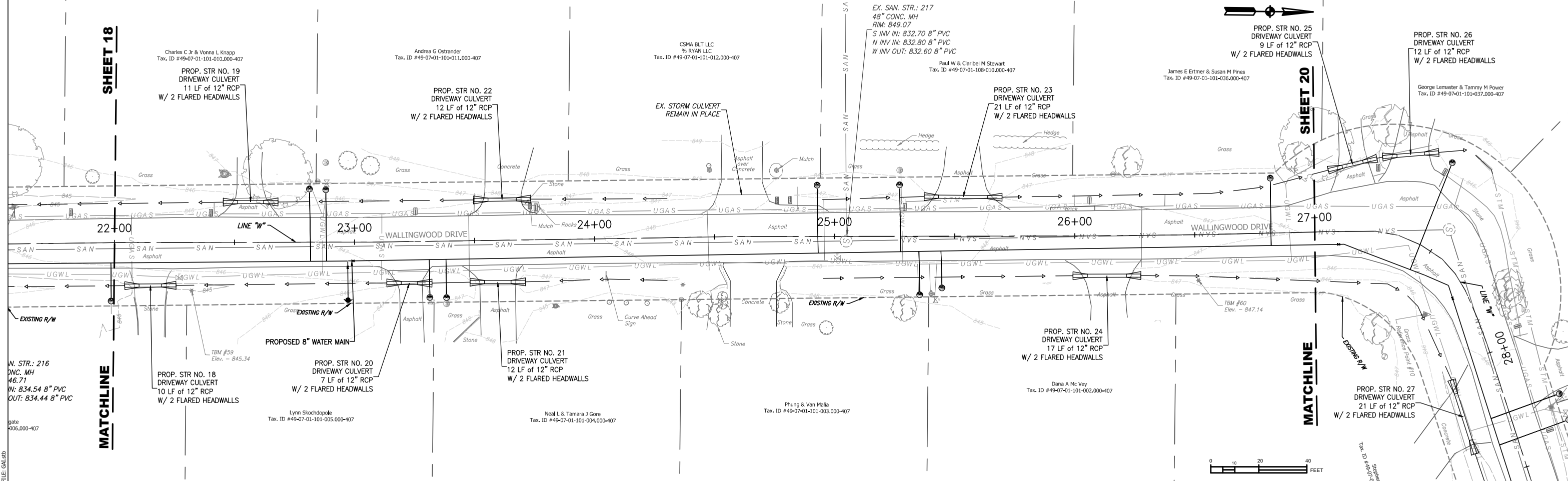
MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT
STORM WATER PLAN & PROFILE - WALLINGWOOD DRIVE

HORIZONTAL SCALE 1" = 20'	DATE APRIL 2021
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS 17 of 39
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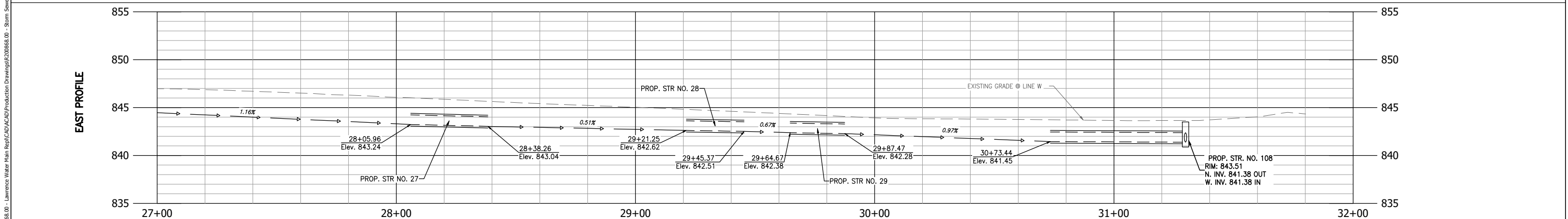
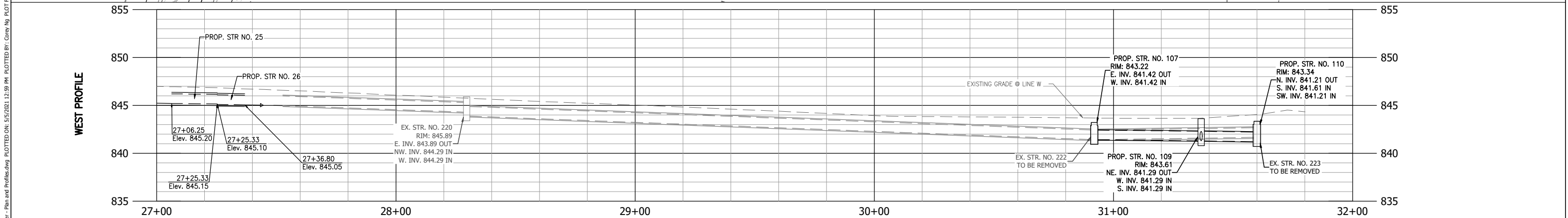
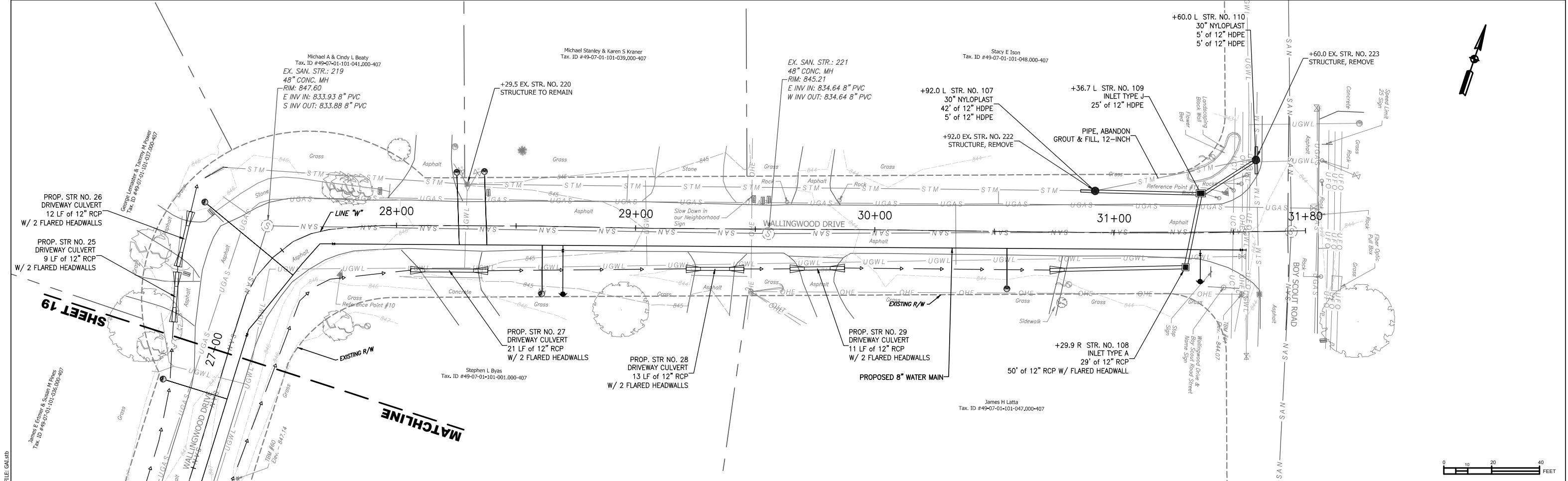
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			DESIGNED: RES	DRAWN: CAN	CHECKED: SMK		CHECKED: SMK	1" = 20'
<p>STORM WATER PLAN & PROFILE - WALLINGWOOD DRIVE</p>						SURVEY BOOK	SHEETS	
						CONTRACT	18 of 39	
						DESIGNATION	PROJECT	

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<p>100% PLANS FOR BIDDING PURPOSES</p>		RECOMMENDED FOR APPROVAL: <i>Shannon M. Killion</i> DESIGN ENGINEER	MAPLE LANE, ZOELLER AVENUE, AND WALLINGWOOD DRIVE WATER MAIN REPLACEMENT	HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 5'	DATE: APRIL 2021 DESIGNATION:
		DESIGNED: RES CHECKED: SMK	DRAWN: CAN CHECKED: SMK	STORM WATER PLAN & PROFILE - WALLINGWOOD DRIVE	SURVEY BOOK: 20 of 39 SHEETS CONTRACT: PROJECT

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