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NOTE BOOK NO.____	SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ BLDG. NOTED ____ STRUCTURE NOTAT'NS CHKD ____		

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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -	
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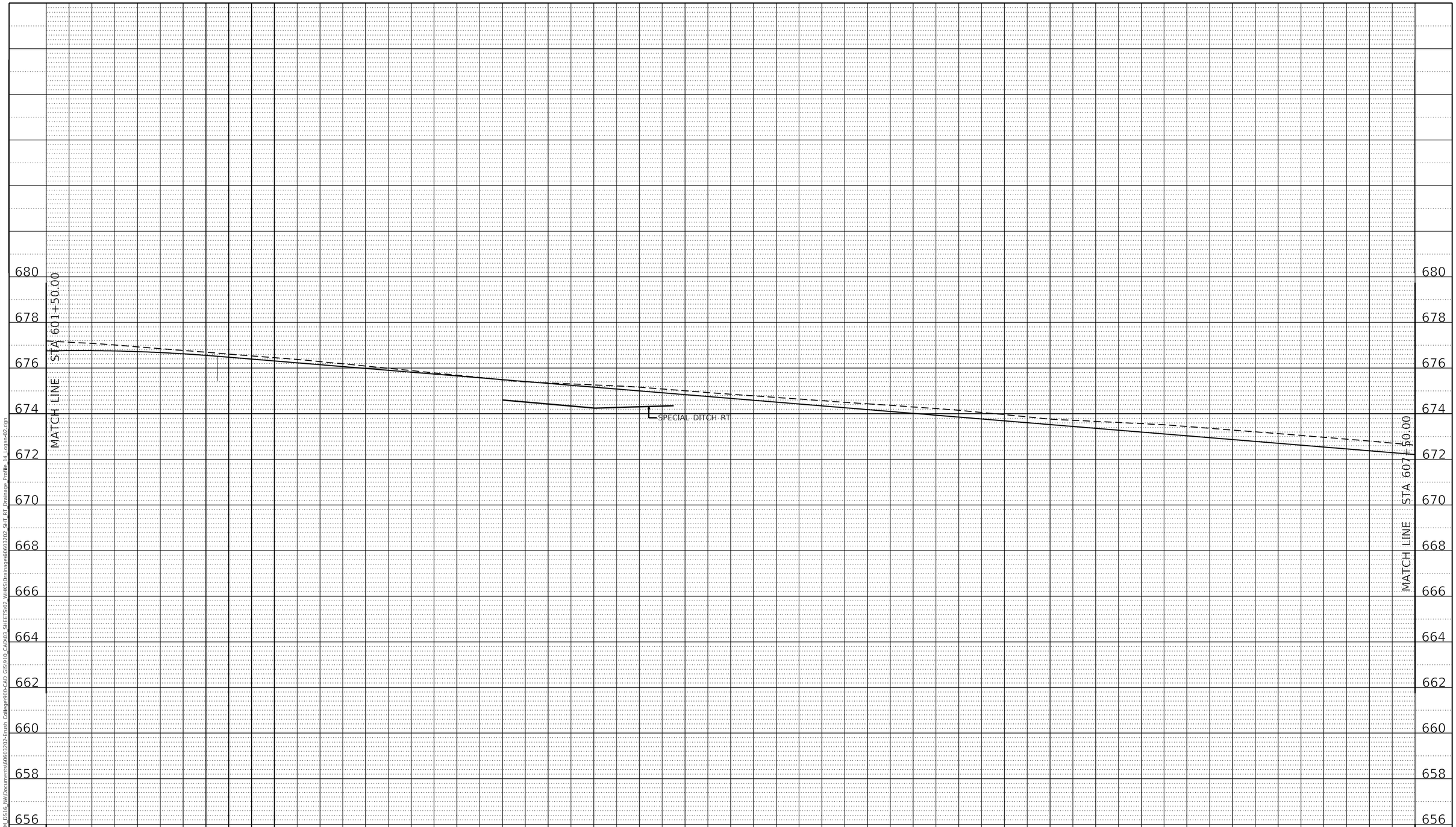
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E LOGAN STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 16 OF 27 SHEETS | STA. 600+00.00 TO STA. 609+35.03

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	451
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



PLAN		BY	DATE
NOTE BOOK NO.____	SURVEYED ____ PLOTTED ____ PLANIMETRY CHECKED ____ RT. OF WAY CHECKED ____ CADD FILE NAME ____		

PROFILE		BY	DATE
NOTE BOOK NO.____	SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ B.M. NOTED ____ STRUCTURE NOTATNS CHKD ____		

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design firm no. 184001036
whks engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -	
	DRAWN - -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E LOGAN STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 17 OF 27 SHEETS | STA. 600+00.00 TO STA. 609+35.03

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	452
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

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RT. OF WAY CHECKED
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GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E LOGAN STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 18 OF 27 SHEETS | STA. 600+00.00 TO STA. 609+35.03

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	453
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

PLAN
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ALIGNMENT CHECKED
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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

N JAMES STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 19 OF 27 SHEETS | STA. 404+27.90 TO STA. 409+58.39

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	454
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

PLAN		BY	DATE
NOTE BOOK NO.____	SURVEYED ____ PLOTTED ____ ALIGNMENT CHECKED ____ RT. OF WAY CHECKED ____ CADD FILE NAME ____		

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design firm no. 184001036 whks engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

N JAMES STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 20 OF 27 SHEETS | STA. 404+27.90 TO STA. 409+58.39

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	455
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

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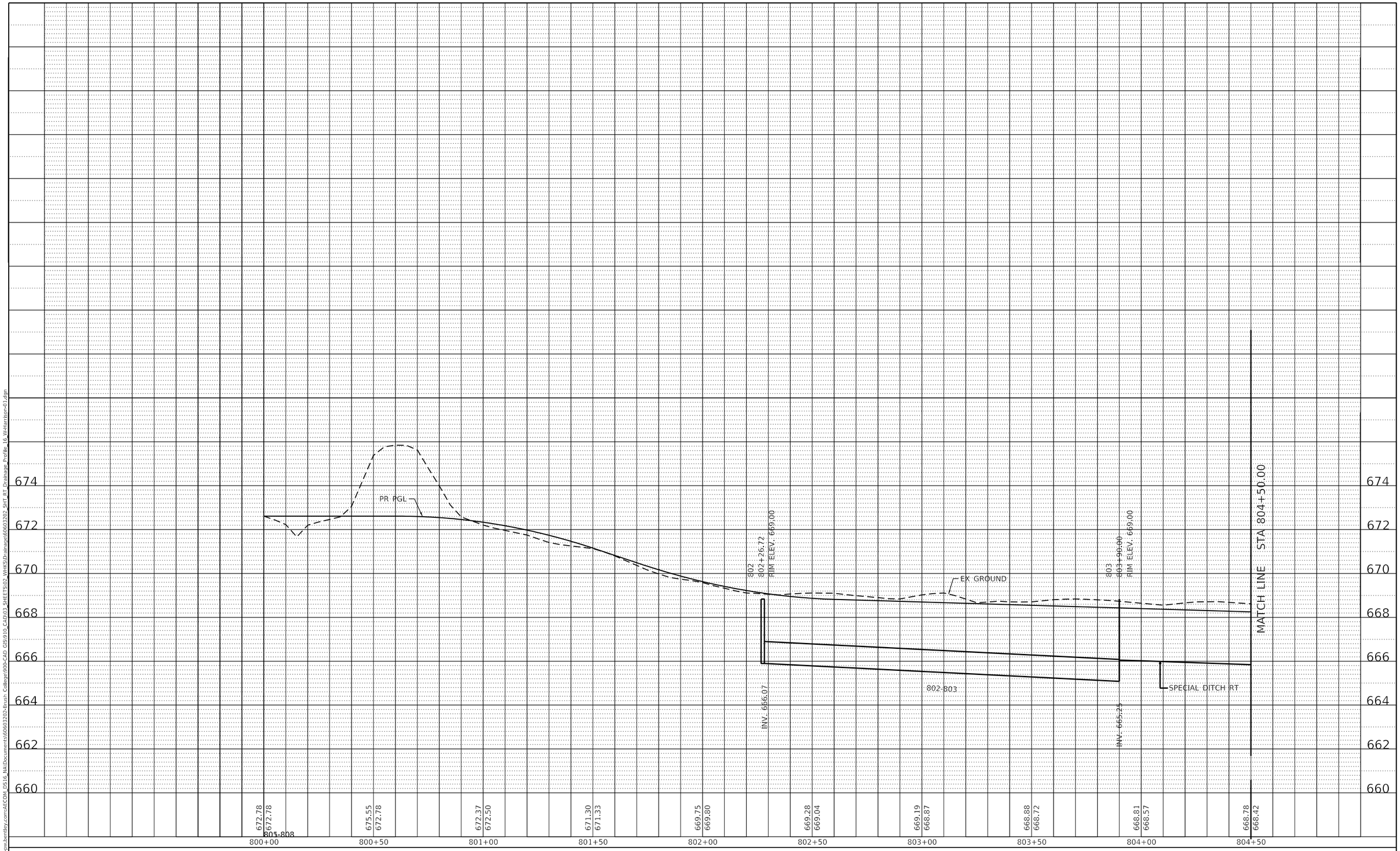

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design firm no. 184001036 whks engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

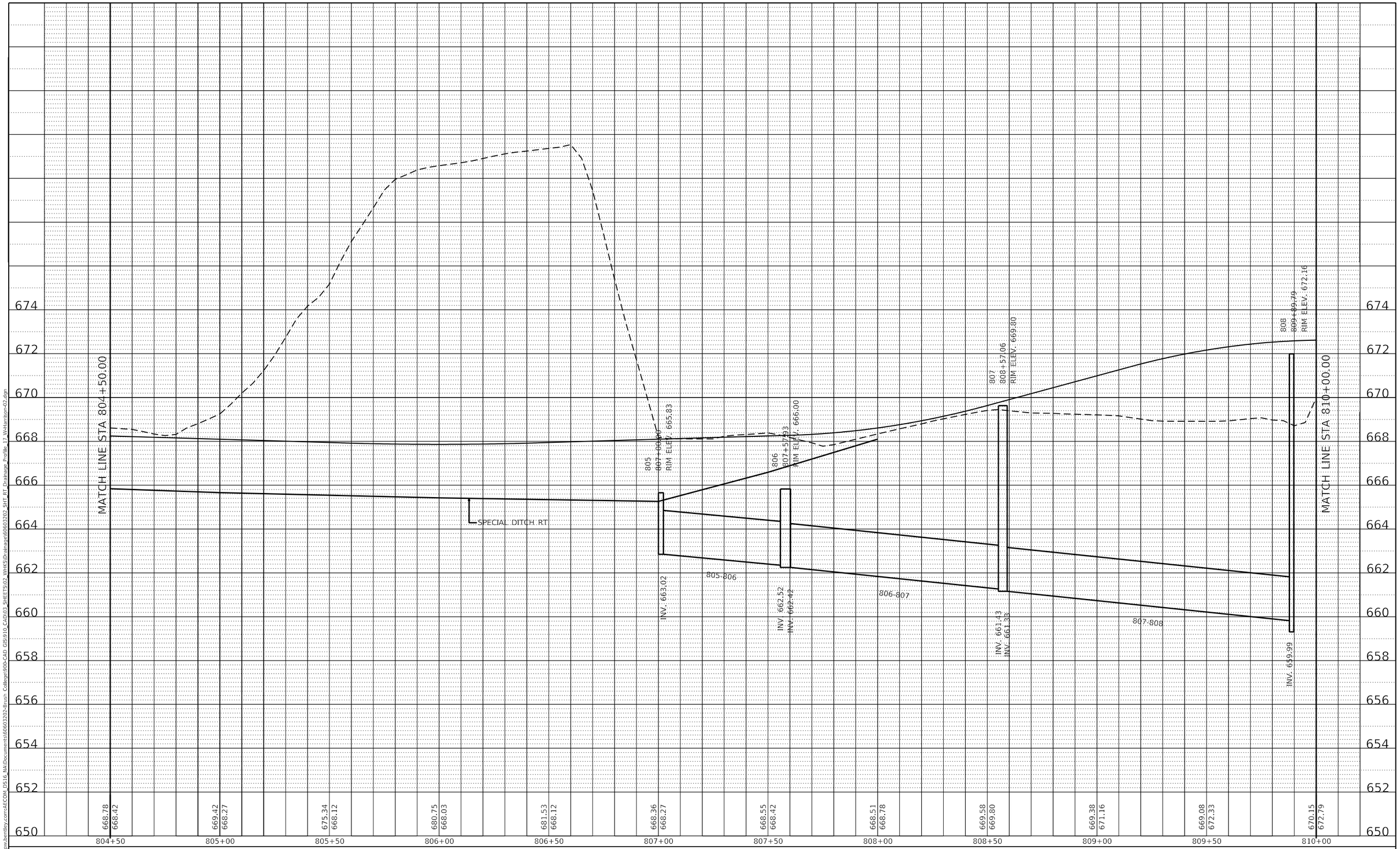
E HARRISON AVENUE (WEST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 21 OF 27 SHEETS | STA. 800+00.00 TO STA. 804+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	456

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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GRADES CHECKED
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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -	
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

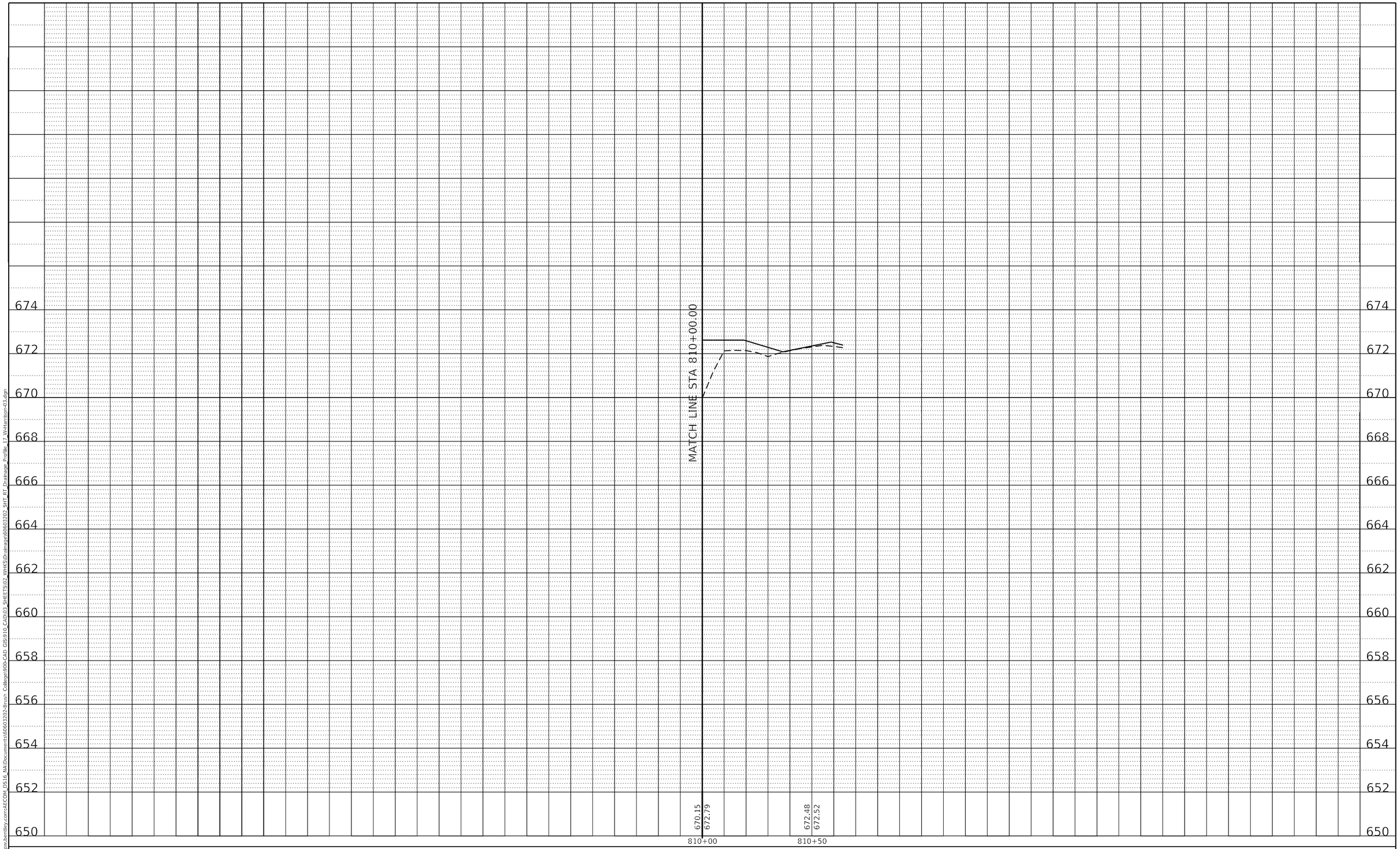
E HARRISON AVENUE (WEST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 22 OF 27 SHEETS | STA. 804+50.00 TO STA. 810+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	457

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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NOTE BOOK NO.____	SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ B.M. NOTED ____ STRUCTURE NOTATNS CHKD ____		

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design firm no. 184001036 whks engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

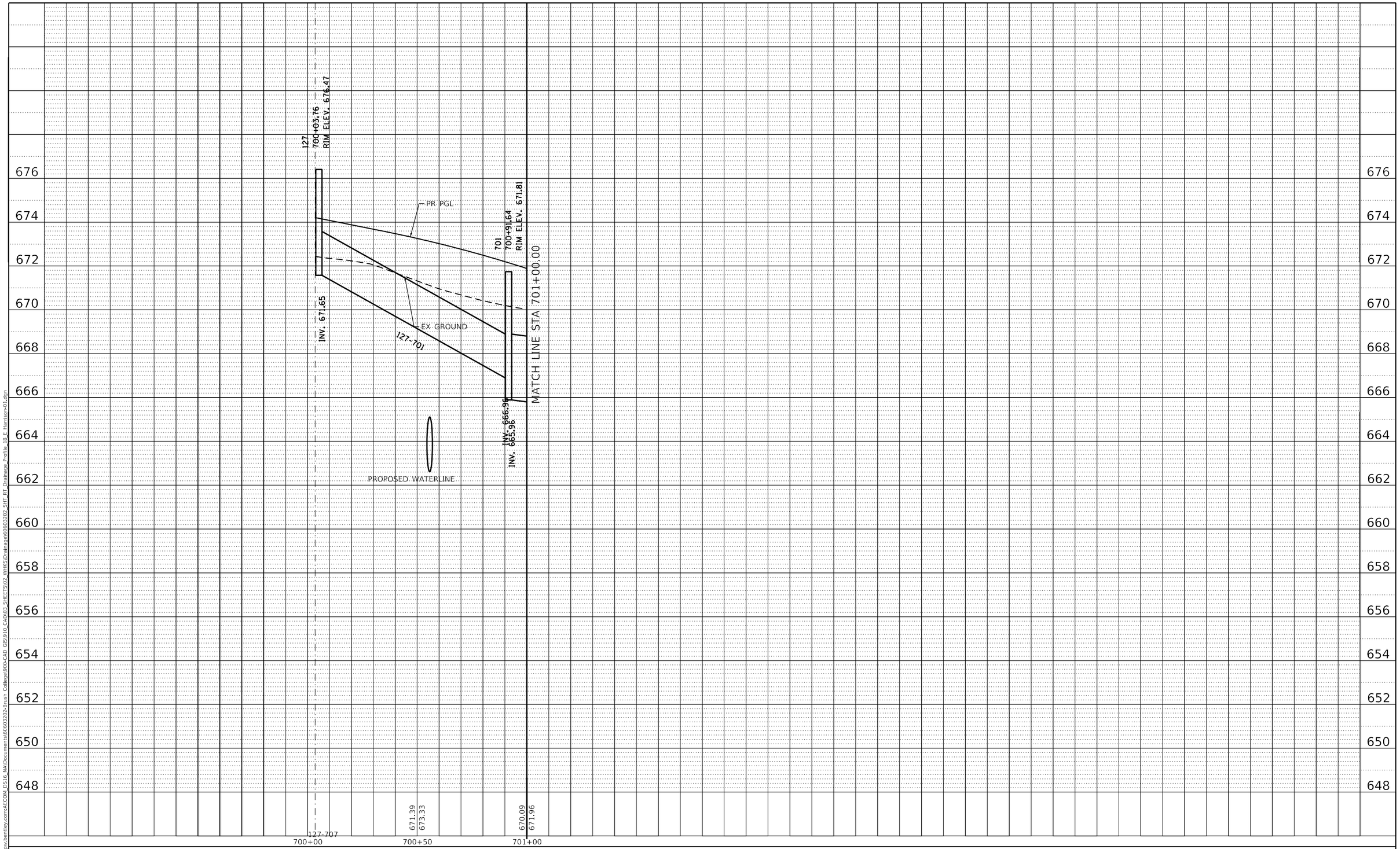
E HARRISON AVENUE (WEST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 23 OF 27 SHEETS | STA. 804+50.00 TO STA. 810+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	458

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -	
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PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

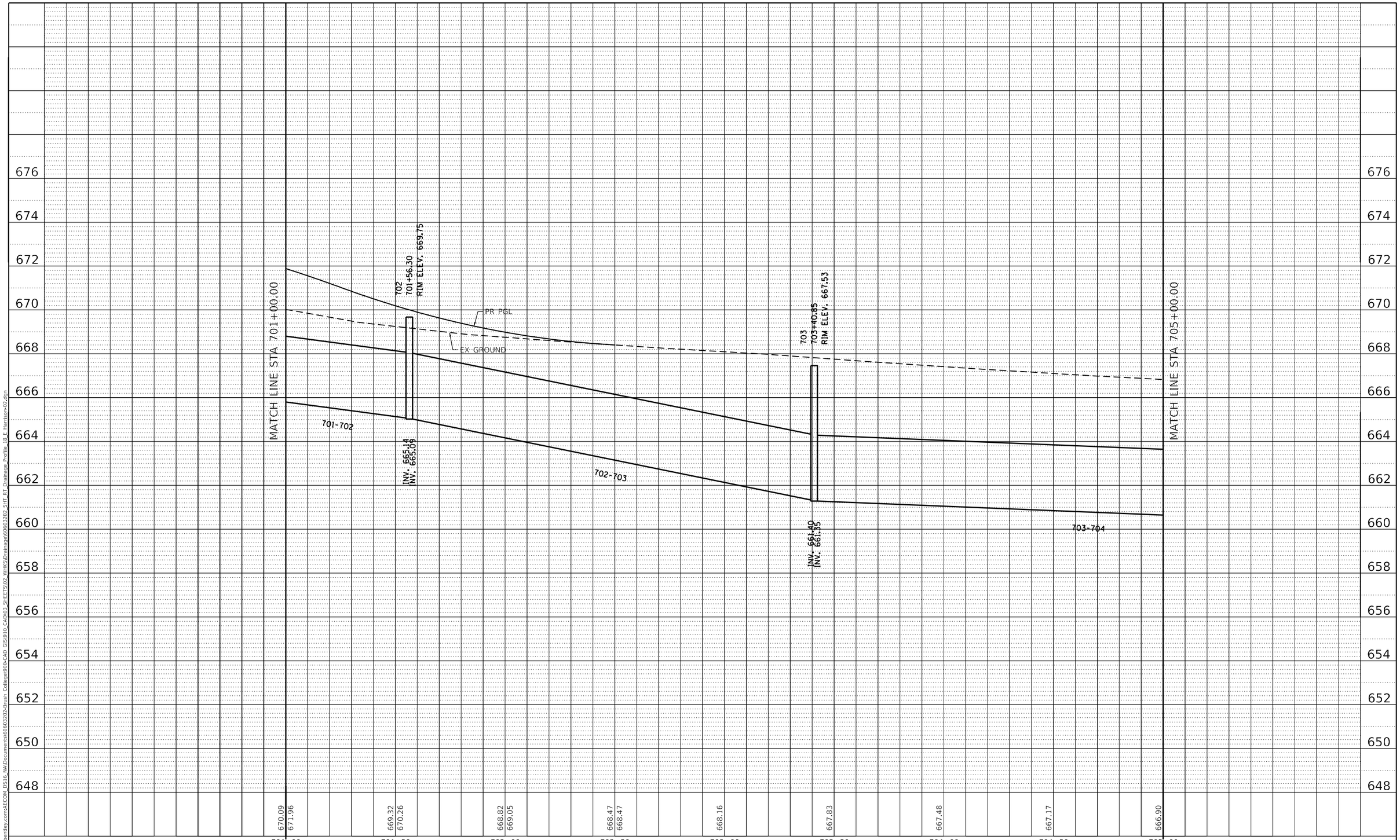
E HARRISON AVENUE (EAST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 24 OF 27 SHEETS | STA. 700+00.00 TO STA. 705+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	459

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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GRADES CHECKED
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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E HARRISON AVENUE (EAST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 25 OF 27 SHEETS | STA. 700+00.00 TO STA. 705+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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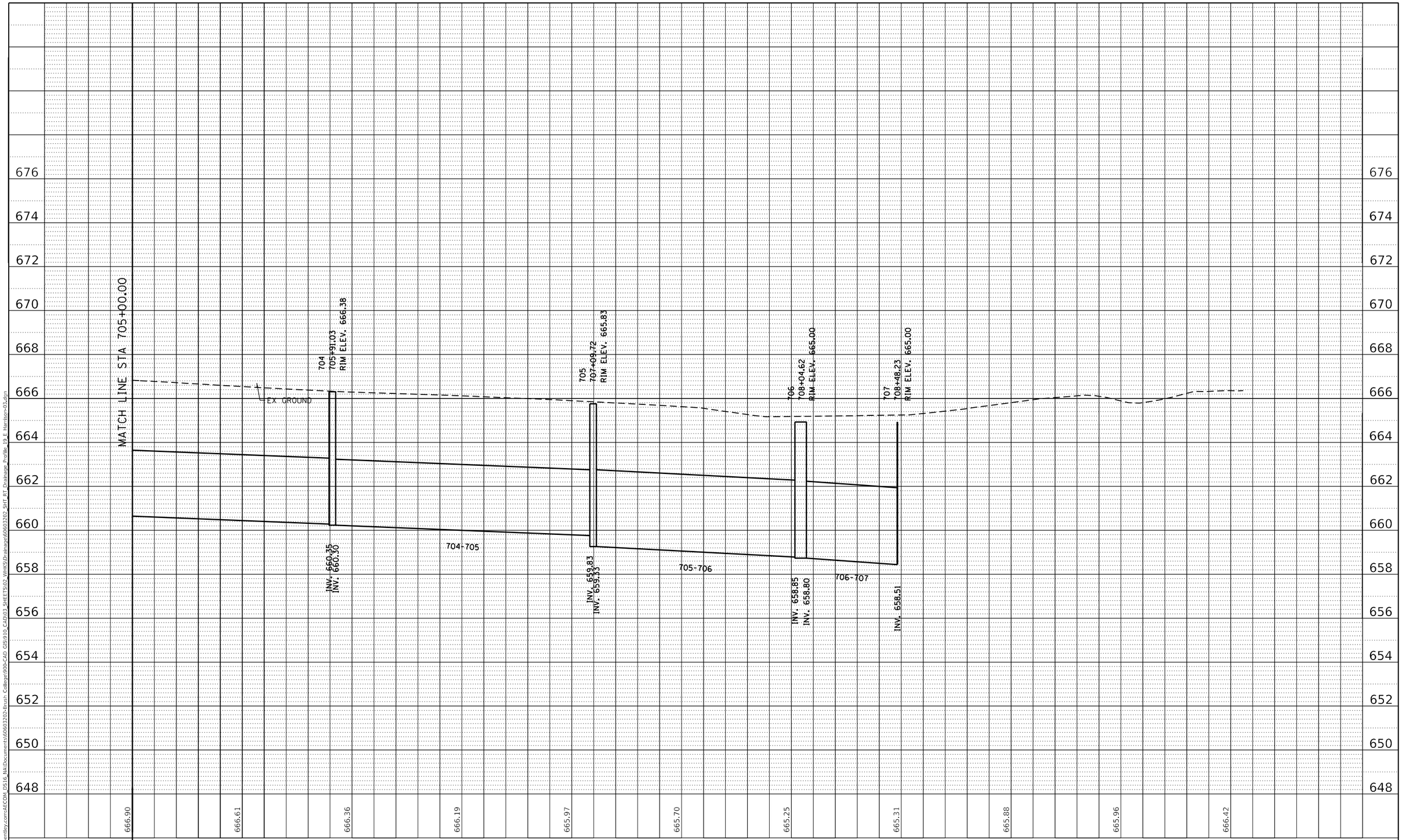
	ILLINOIS	FED. AID PROJECT		



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design firm
no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

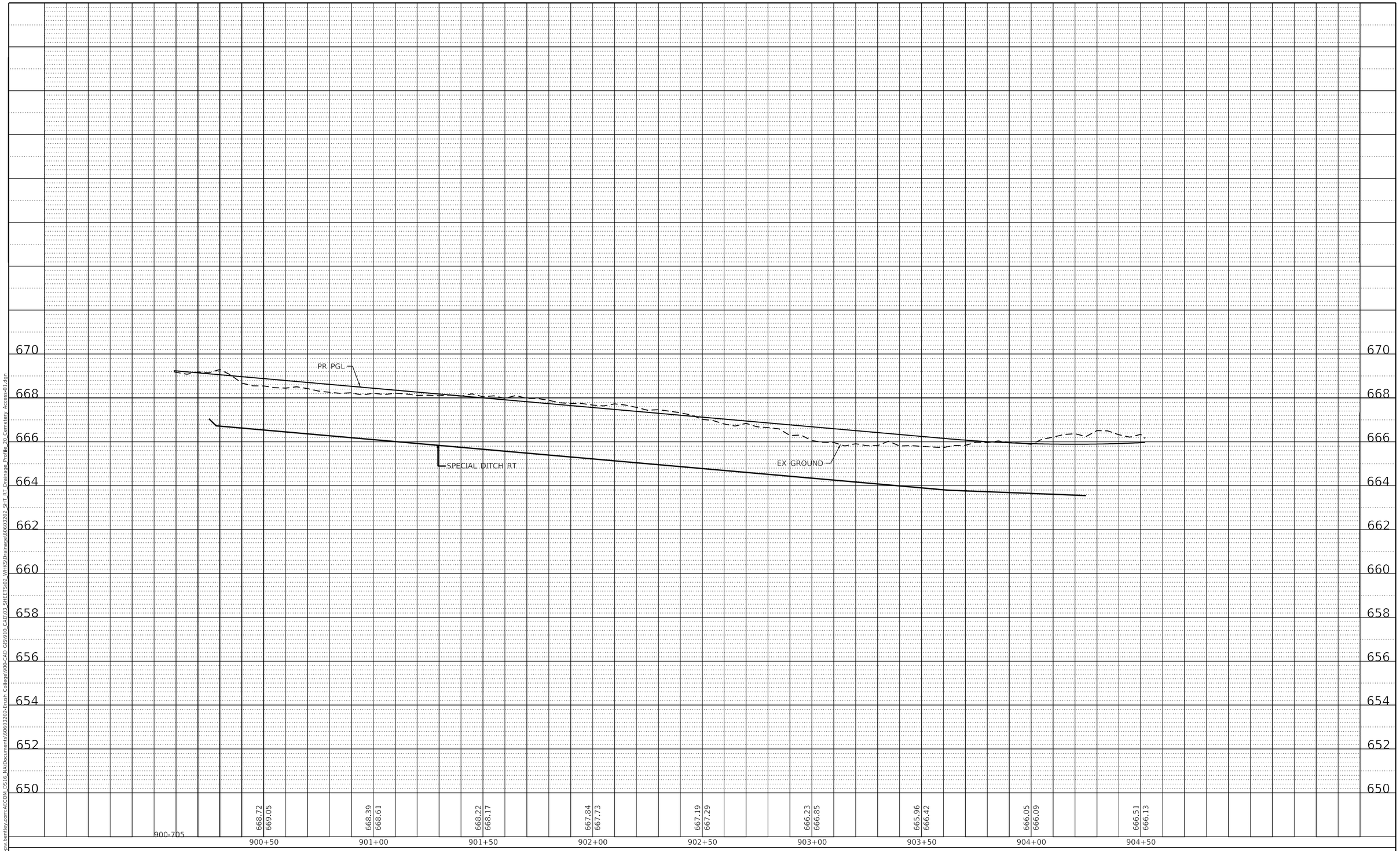
E HARRISON AVENUE (EAST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 26 OF 27 SHEETS | STA. 705+00.00 TO STA. 710+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	461

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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PLOTTED ____
GRADES CHECKED ____
BLDG. NOTED ____
STRUCTURE NOTATIONS CHKD ____
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design firm no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - -	REVISED -
	DRAWN - -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 11/1/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CEMETERY ACCESS
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 27 OF 27 SHEETS | STA. 900+00.00 | TO STA. 904+66.28

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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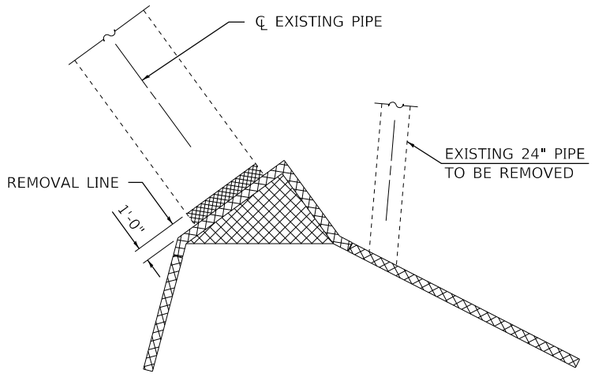
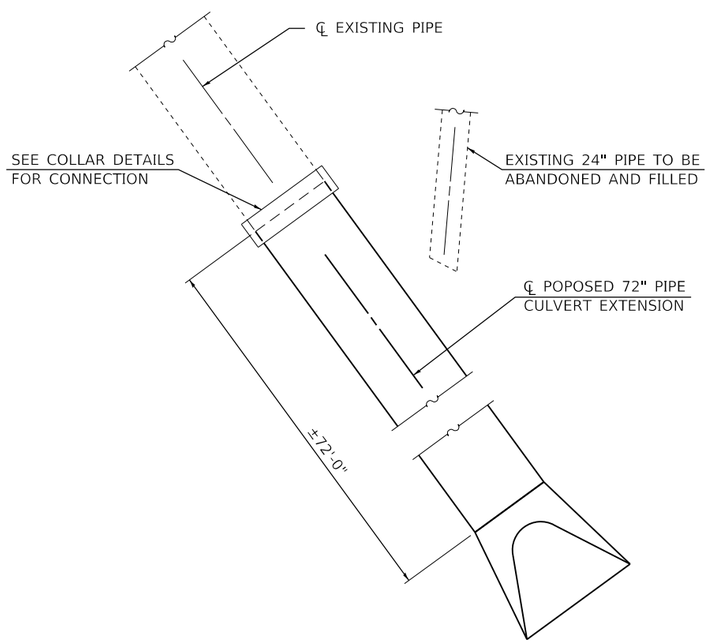
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



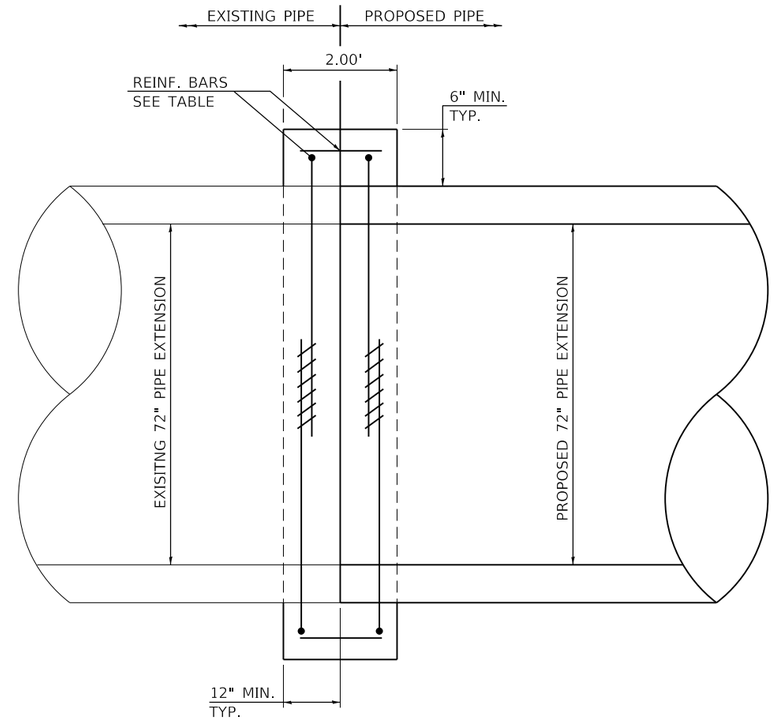
REMOVAL PLAN

FARIES ROAD (STA. 226+62)



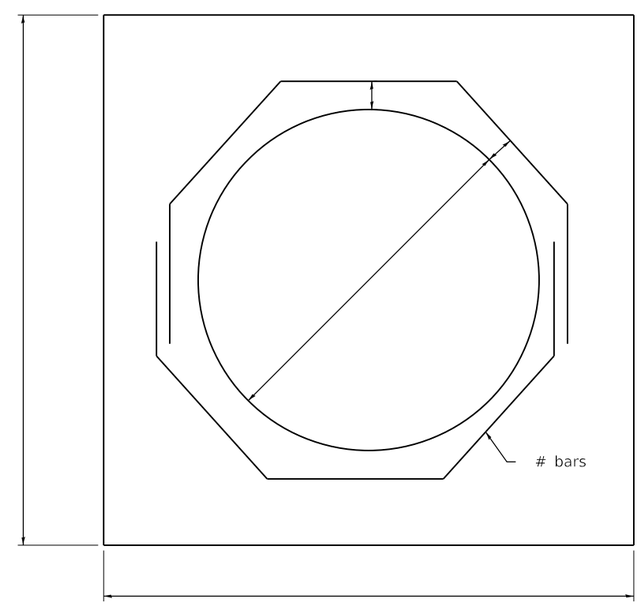
PROPOSED PLAN

FARIES ROAD (STA. 226+62)



COLLAR SECTION

PIPE END TO PIPE END EXTENSION



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design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = rallender	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIPE COLLAR DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			7448	09-00933-01-BR	MACON	996 / 463
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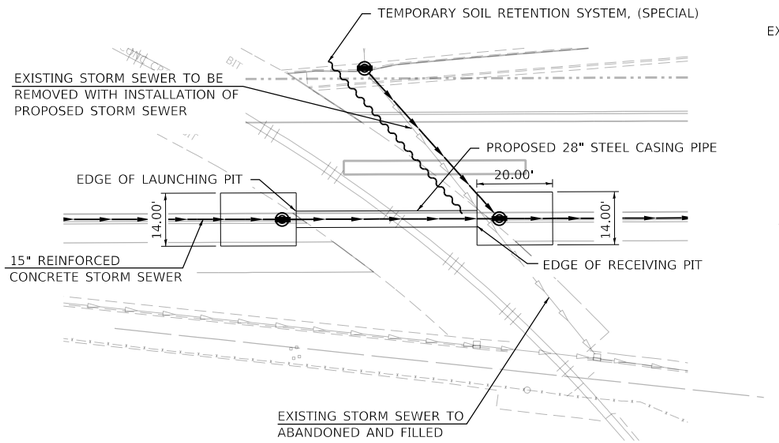
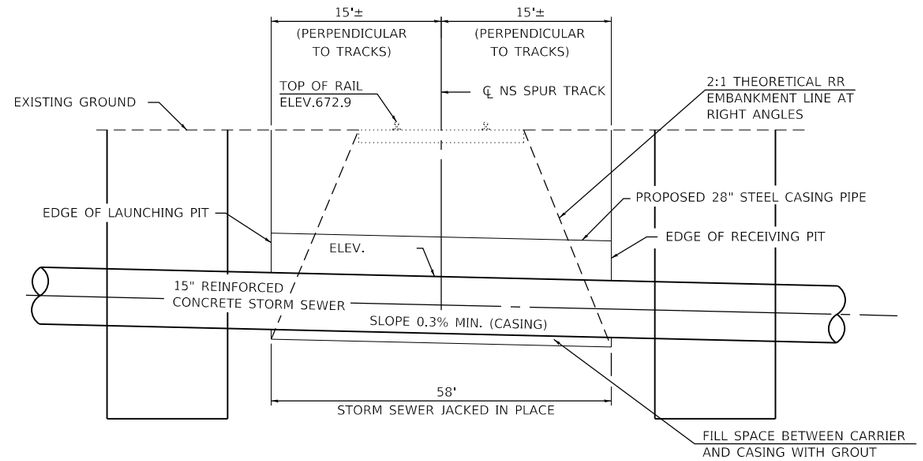
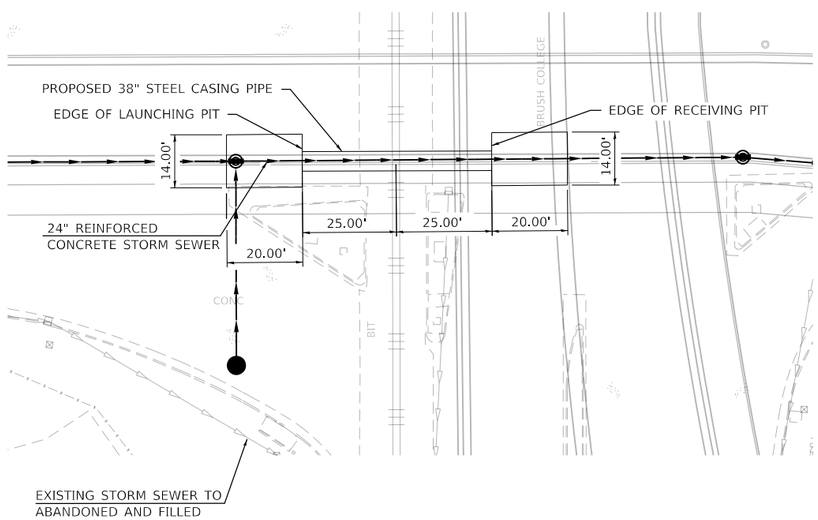


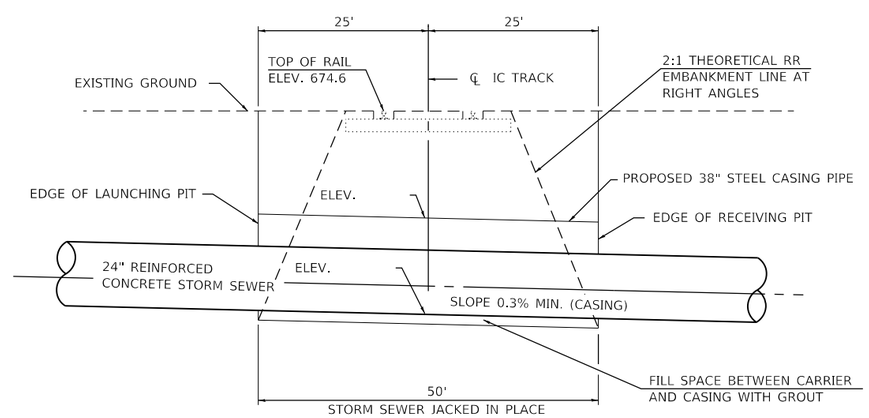


	Carrier Pipe	Casing Pipe
Contents to Be Carried	Storm Water	----
Diameter (inches)	15	28
Wall Thickness (inches)	2.25	0.438
Material/Type of Pipe	Reinf. Concrete	Steel
Specification/Grade	ASTM C76, Class IV, Wall B	fy =35,000 psi
Actual Working Pressure (psi)	----	----
Test Pressure (psi)	----	----
Joint Type	ASTM C443 Rubber Gasket Grouted Between Carier and Casing	Welded
Coating	----	----
Method of Installation	Jacked	Jacked
Cathodic Protection	None	None
Dimension from Top of Rail	----	
Protection at Ends of Casing	1/4" Steel Plate with holes for drainage	

NS SPUR RAILROAD

STA. 207+98.50





	Carrier Pipe	Casing Pipe
Contents to Be Carried	Storm Water	----
Diameter (inches)	24	38
Wall Thickness (inches)	3	0.562
Material/Type of Pipe	Reinf. Concrete	Steel
Specification/Grade	ASTM C76, Class IV, Wall B	fy =35,000 psi
Actual Working Pressure (psi)	----	----
Test Pressure (psi)	----	----
Joint Type	ASTM C443 Rubber Gasket Grouted Between Carier and Casing	Welded
Coating	----	----
Method of Installation	Jacked	Jacked
Cathodic Protection	None	None
Dimension from Top of Rail	----	
Protection at Ends of Casing	1/4" Steel Plate with holes for drainage	

IC RAILROAD

STA. 209+82

MODEL: Default
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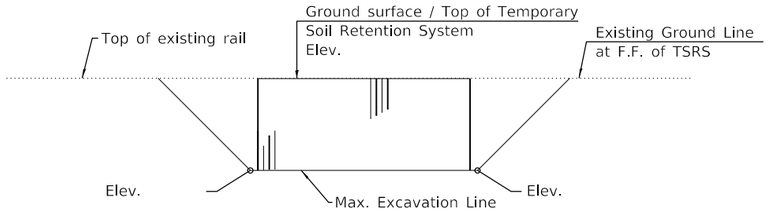
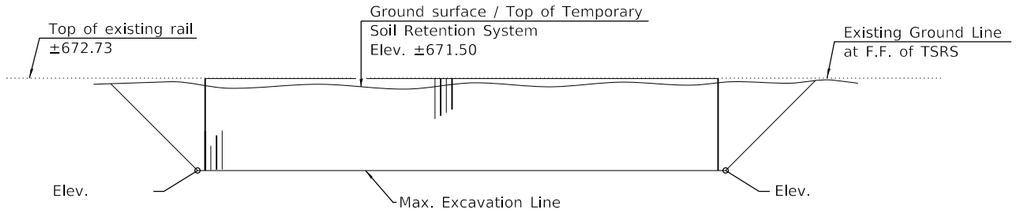
design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = rallender	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS UNDER RAILROADS	F.A.U. RTE. 7448	SECTION 09-00933-01-BR
		DRAWN -	REVISED -				
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -				
	PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		

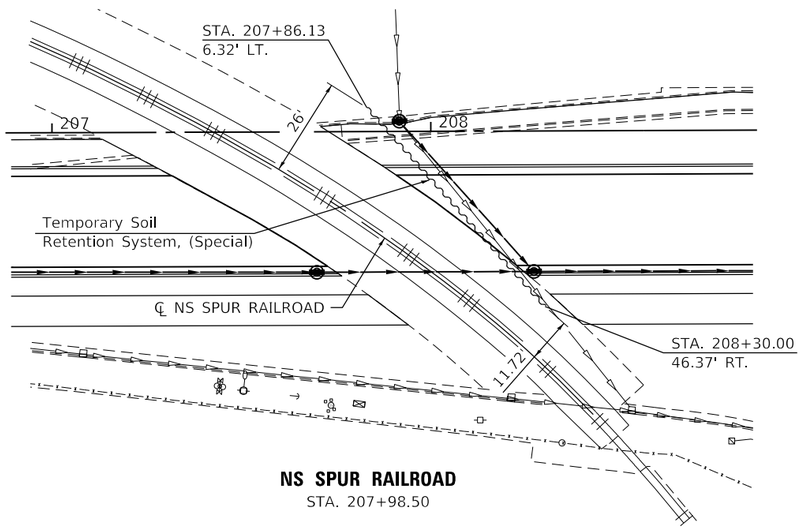
COUNTY	TOTAL SHEETS	SHEET NO.
MACON	996	464
CONTRACT NO. XXXX(XXX)		
ILLINOIS FED. AID PROJECT		



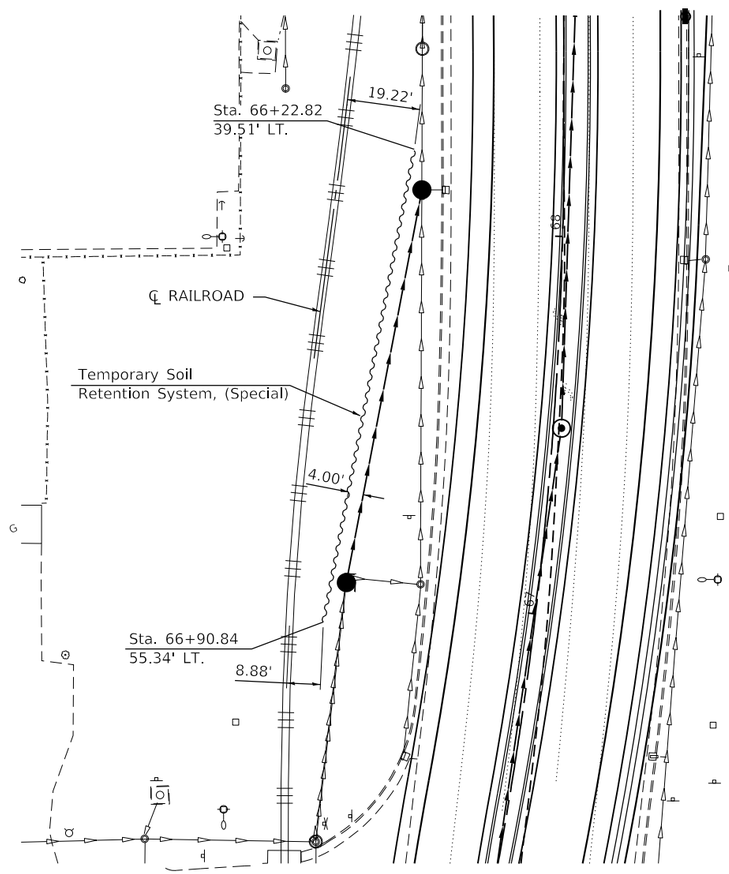
ELEVATION
STA. 207+98.50



ELEVATION
STA.



NS SPUR RAILROAD
STA. 207+98.50



RAILROAD
STA.

NOTES:

1 A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.

2. HORIZONTAL DIMENSIONS AND GROUNDS SLOPES ARE SHOWN ALONG THE TEMPORARY SOIL RETENTION SYSTEM UNLESS NOTED OTHERWISE.

3. THE CONTRACTOR IS ALERTED TO THE PRESENCE OF UNDERGROUND STORM SEWER AND SANITARY SEWER NEAR STA. . THESE SEWERS CROSS UNDER THE PROPOSED TEMPORARY SOIL RETENTION SYSTEM AND MAY NEED TO BE KEPT IN SERVICE DURING CONSTRUCTION OF THE WALL. SEE DRAINAGE AND UTILITY PLANS.

4. TEMPORARY SOIL RETENTION SYSTEM IS PAID FOR AS TEMPORARY SOIL RETENTION SYSTEM (SPECIAL). SEE SPECIAL PROVISIONS.

MODEL: TEMP SOIL RETENT SYS
FILE NAME: pw:\\aecom=na=pw.bentley.com=AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_VHKS\Drainage Details\60603202_Storm Sewer_Temp Soil Retent.dgn

design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = rallender	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SOIL RETENTION SYSTEM	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			7448	09-00933-01-BR	MACON	996	465
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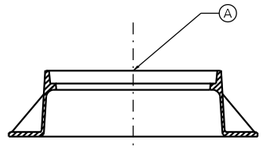
	PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



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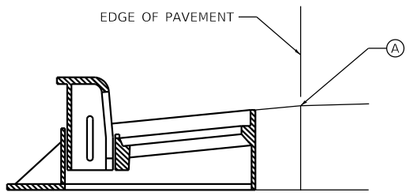

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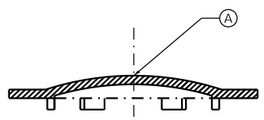

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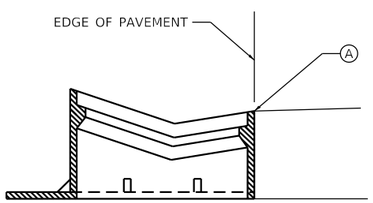

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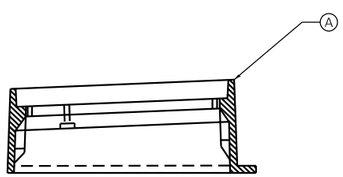

TYPE 20

NOTES

(A) LOCATION OF STATION, OFFSET, & RIM ELEVATION OF DRAINAGE CASTING AS NOTED ON THE DRAINAGE PLANS AND SCHEDULES.

DRAINAGE CASTING LOCATIONS

MODEL: Grate Detail
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design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = rallender	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			7448	09-00933-01-BR	MACON	996 / 466
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. XXXX(XXX)	
	PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

WATER MAIN & SANITARY SEWER GENERAL NOTES

1. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

2. PROFILE VIEW LOCATIONS OF THE EXISTING UTILITIES ARE BASED ON ASSUMED DEPTH. ACTUAL DEPTHS OF SUCH EXISTING UTILITIES MAY BE SHALLOWER OR DEEPER THAN SHOWN.

3. WATER MAIN AND SERVICE PIPES SHALL HAVE A MINIMUM COVER OF 3.5 FEET FROM GROUND SURFACE AND 6 FEET FROM TRAIN TRACKS, UNLESS OTHERWISE SHOWN IN THE PLANS.

4. ANY SHEETING AND/OR SHORING USED ON THIS PROJECT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING INSTALLED.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE PROPOSED WATER MAIN AND SANITARY SEWER SO THAT THERE ARE NOT ANY CONFLICTS WITH THE REQUIRED CLEARANCES FROM EXISTING OR PROPOSED UTILITIES. SEE ROADWAY DRAINAGE AND UTILITY SHEETS FOR PROPOSED STORM SEWER INFORMATION.

6. PRIOR TO STARTING ANY CONSTRUCTION A FIVE (5) WORKING DAY NOTIFICATION IS REQUIRED. NOTIFY THE CITY OF DECATUR PUBLIC WORKS AND ENGINEERING, (217) 424-2747 TO ARRANGE FOR REQUIRED INSPECTION.

7. ALL MATERIAL INCORPORATED INTO THIS PUBLIC WATER MAIN IMPROVEMENT REQUIRES INSPECTION AND APPROVAL PRIOR TO ANY CONSTRUCTION.

8. THE SEPARATION REQUIREMENTS BETWEEN WATER MAIN AND SEWERS SHALL BE IN ACCORDANCE WITH 35 IL ADMINISTRATIVE COST, SUBTITLE F, SECTION 653.119.

9. WATER MAIN SHUTDOWNS: COORDINATE SHUTDOWN OF EXISTING WATER MAINS WITH THE CITY OF DECATUR AND ENGINEER. CONTRACTOR SHALL NOT OPERATE EXISTING VALVES AND HYDRANTS ON THE CITY'S EXISTING WATER SYSTEM. CONTRACTOR SHALL SCHEDULE WITH THE CITY OF DECATUR A MINIMUM OF (5) WORKING DAYS PRIOR TO THE REQUIRED SHUTDOWN OF EXISTING WATER MAINS.

10. WATER MAIN FITTINGS AND CONNECTIONS: INCLUDE ALL NECESSARY PIPING, FITTINGS AND ADAPTERS FOR A COMPLETE INSTALLATION, CONTRACTOR SHALL ALSO VERIFY EXACT LOCATION, DEPTH, MATERIAL, AND SIZE OF EXISTING WATER MAIN AND PIPING BEFORE ORDERING NEW MATERIALS. THE CONTRACTOR SHALL CONNECT TO EXISTING WATER MAINS, REGARDLESS OF LOCATION, DEPTH, AND MATERIAL, AT NO ADDITIONAL COST. TEES AND FITTINGS SHALL BE ROLLED AS NEEDED FOR CONSTRUCTION TO ACCOMODATE CONNECTIONS, AVOID UTILITY CONFLICTS, ETC. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE FITTING OR TEE BEING INSTALLED.

11. EXISTING UTILITY LOCATIONS (JULIE REQUESTS):
    A. THREE (3) WORKING DAYS PRIOR TO BEGINNING THE WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT JULIE TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION.
    B. ALL UTILITIES ARE TO BE MAINTAINED IN SERVICE AT ALL TIMES UNLESS PRIOR WRITTEN AUTHORIZATION IS GRANTED FROM THE RESPECTIVE UTILITY FOR A PLANNED SERVICE INTERRUPTION NECESSARY FOR THE COMPLETION OF THIS WORK.
    C. UTILITIES AND OBSTRUCTIONS SHOWN ON THE PLANS WERE DERIVED FROM THE BEST AVAILABLE INFORMATION THROUGH CONTACT MADE WITH VARIOUS UTILITIES AND AGENCIES KNOWN TO HAVE STRUCTURES IN THE AREA. THE LOCATION MATERIAL AND DIMENSIONS OF THE EXISTING OBSTRUCTIONS ARE BASED ON AVAILABLE RECORDS BUT MUST NOT BE CONSTRUED AS BEING ACCURATE, CORRECT OR COMPLETE. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
    D. ALL STRUCTURES ABOVE OR BELOW GROUND ENCOUNTERED DURING CONSTRUCTION SHALL BE PROPERLY SUPPORTED AND MAINTAINED. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER/ENGINEER OF SUCH STRUCTURES FOR SHIFTING, SUPPORT, TEMPORARY RELOCATION AND PROTECTION WHERE NECESSARY. IF DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL MAKE OR PAY TO HAVE MADE ALL REPAIRS TO THE STRUCTURE TO THE SATISFACTION OF THE OWNER OF THE STRUCTURE. NO EXTRA PAYMENT WILL BE MADE FOR SUCH REPAIRS.

12. UTILITY SEPARATION: WHERE THE PROPOSED WATER MAINS CROSS OVER AND LESS THAN 18-INCHES ABOVE OR UNDER SANITARY/STORM SEWER LINES, THE SEWER SHALL BE REPLACED WITH WATER MAIN QUALITY PIPE FOR A DISTANCE OF 10 FEET ON BOTH SIDES OF THE PROPOSED WATER MAIN WHEN ORDERED IN WRITING BY THE ENGINEER. FOR NON-PARRALLEL STORM SEWER CROSSINGS, CONTRACTOR IS PERMITTED TO UTILIZE REINFORCED CONCRETE PIPE WITH JOINT FLEXIBLE GASKET JOINT MEETING ASTM C361 OR ASTM C443.

13. THE CONTRACTOR SHALL MAINTAIN IN SERVICE ALL EXISTING WATER MAINS, SEWERS, CULVERTS, DITCHES, DRAINS, MANHOLES, AND CATCH BASINS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, BYPASS PUMPING.

14. REFER TO SPECIAL PROVISIONS FOR WATER MAIN RECORD DRAWING AND SURVEY REQUIREMENTS WHICH INCLUDES PROVIDING AS-BUILT WATER MAIN FACILITY INFORMATION TO THE CITY IN AN ELECTRONIC FORMAT COMPATIBLE WITH THE CITY'S GIS.

15. ALL FRAMES, GRATES, LIDS, FIRE HYDRANTS AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE CITY, AND ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, HYDRANTS OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICK-UP BY THE CITY OR DELIVERY TO THE CITY YARD SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED, ABANDONED, OR FILLED. ANY REJECTED ITEMS SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

16. ALL REFERENCES IN THE DRAWINGS AND SPECIAL PROVISIONS TO STANDARDS (E.G. AWWA, ASTM, IDOT, ETC.) SHALL BE ASSUMED TO BE THE LATEST VERSION/ADDITION OF THE STANDARD BEING REFERENCED.

17. UNLESS OTHERWISE SPECIFIED HEREIN, PERFORM ALL WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION IN ILLINOIS AND THE CITY OF DECATUR STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION (INCLUDING CONSTRUCTION DETAILS), LATEST EDITIONS. CITY OF DECATUR STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION (INCLUDING CONSTRUCTION DETAILS) CAN BE PROVIDED UPON REQUEST.

18. WHETHER TEMPORARY OR PERMANENT, ALL VALVES, PIPING, FITTINGS, SLEEVES, AND APPURTENANCES SHALL HAVE A MINIMUM RATING OF 150 PSI.

19. JACKING PITS TO BE DESIGNED BY THE CONTRACTOR. LIMITS SHOWN ARE APPROXIMATE.

WATER MAIN & SANITARY SEWER SYMBOLS

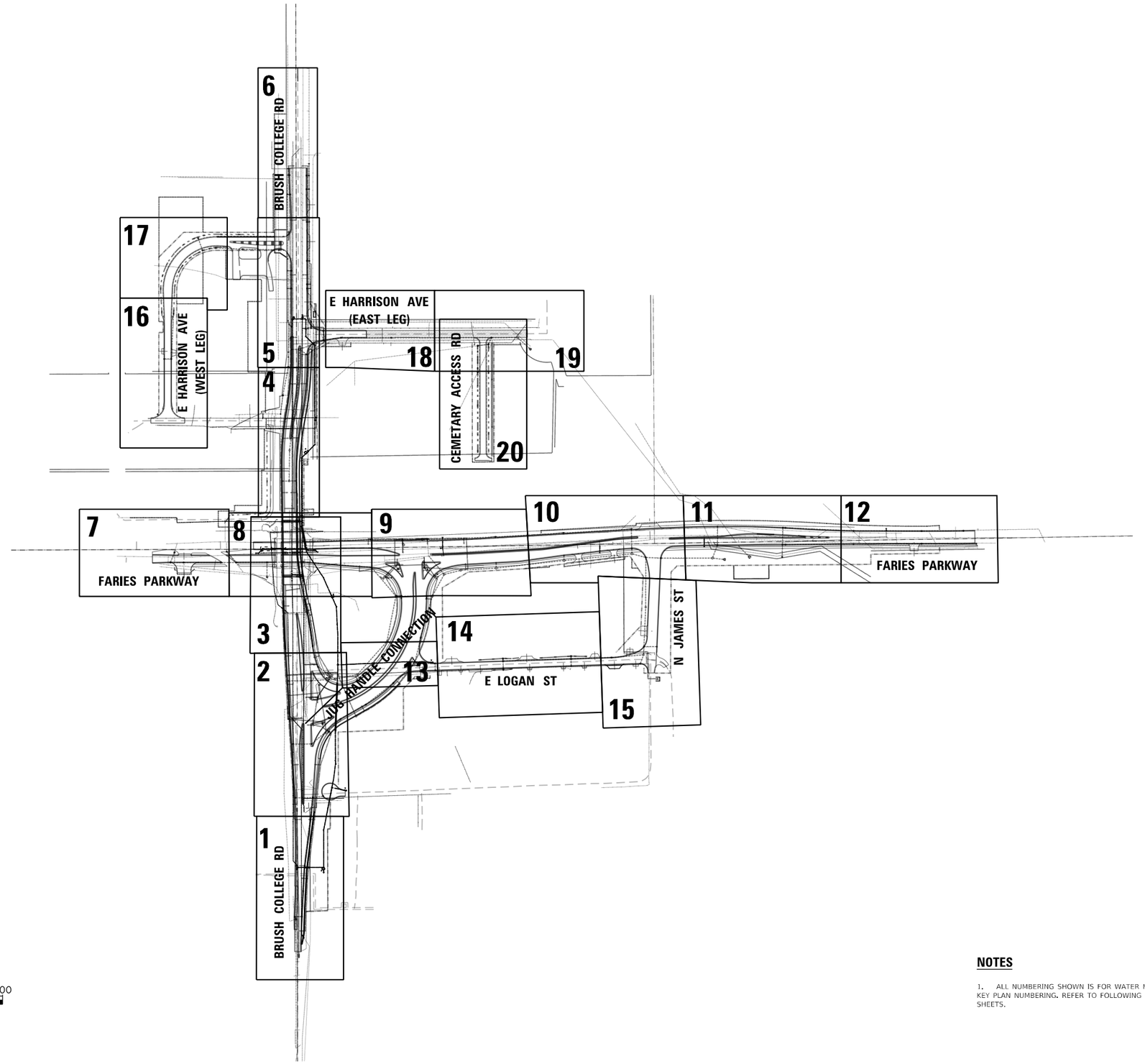
- WV — PROPOSED WATER VALVE WITH BOX
- WV WV — PROPOSED WATER VALVE AND BYPASS WITH BOXES
- LS — PROPOSED LINE STOP
- AV — PROPOSED FIRE HYDRANT AUXILIARY VALVE
- PROPOSED FIRE HYDRANT
- W — PROPOSED WATER MAIN
- W — PROPOSED WATER MAIN IN STEEL CASING PIPE
- W — UTILITY TO BE ABANDONED
- UTILITY TO BE REMOVED
- UTILITY TO BE ABANDONED
- PROPOSED WATER MAIN FITTING, REDUCER
- PROPOSED CAP OR PLUG FOR EXISTING WATER MAIN
- PROPOSED WATER MAIN FITTING, TEE
- PROPOSED WATER MAIN FITTING, 90 DEGREE BEND
- PROPOSED WATER MAIN FITTING, 45 DEGREE BEND
- PROPOSED WATER MAIN FITTING, 22.5 DEGREE BEND
- PROPOSED WATER MAIN FITTING, 11.25 DEGREE BEND
- PROPOSED WATER MAIN FITTING, CAP OR PLUG
- PROPOSED WATER MAIN FITTING, SOLID SLEEVE

PROPOSED STRUCTURES

ROAD	SHEET	STRUCTURE TYPE	WM STATION	ROADWAY STATION OFFSET	IDOT PAY ITEM NAME	EXST. GROUND EL. (FT.)	PR. GROUND EL. (FT.)
BRUSH COLLEGE	4	WATER VALVE	11+03, RT 5.1	49+58, RT 85.2	WATER VALVES 24"; VALVE BOX	673.1	673.1
	4	FIRE HYDRANT	10+96, RT 11.8	49+61, RT 76.9	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	673.1	673.1
	5	WATER VALVE	13+99, RT 7.7	52+61, RT 110.7	WATER VALVES 8"; VALVE BOX	675.4	675.3
	5	FIRE HYDRANT	14+16, RT 48.6	52+56, RT 141.4	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	676.0	676.0
	6	WATER VALVE	21+04	59+40, RT 138.5	WATER VALVES 24"; VALVE BOX	676.2	676.8
	6	FIRE HYDRANT	21+11, RT 7.5	59+49, RT 143.6	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	676.0	675.9
	7	WATER VALVE	26+66	64+97, RT 61.6	WATER VALVES 30"; VALVE BOX	674.2	674.6
	7	FIRE HYDRANT	26+75, LT 12.0	65+14, RT 59.2	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	674.1	674.4
	7	WATER VALVE	28+05, RT 3.6	66+36, RT 82.0	WATER VALVES 8"; VALVE BOX	670.2	670.2
	8	WATER VALVE	31+51, RT 3.6	69+54, RT 31.1	WATER VALVES 12"; VALVE BOX	672.0	673.2
	8	FIRE HYDRANT	31+73, RT 19.1	69+76, RT 46.4	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	671.7	672.9
	8	WATER VALVE	31.96, RT 5.3	69+95, RT 15.6	WATER VALVES 16"; VALVE BOX	672.2	672.7
	8	WATER VALVE	32+29	69+89, LT 17.1	WATER VALVES 24"; VALVE BOX	672.3	672.6
JUG HANDLE	5, 17	WATER VALVE	40+08	302+04, LT 128.8	WATER VALVES 8"; VALVE BOX	675.3	675.5
	17	FIRE HYDRANT	43+44, LT 7.1	304+59, RT 112.8	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	678.1	677.9
FARIES	12	WATER VALVE	50+30	211+13, LT 5.9	WATER VALVES 16"; VALVE BOX	675.0	675.2
	12	WATER VALVE	61+66	209+19, LT 6.8	WATER VALVES 16"; VALVE BOX	675.3	675.6
	13	FIRE HYDRANT	-	215+86, LT 53.2	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	673.6	673.6
LOGAN	18	N/A					
JAMES	19	N/A					
HARRISON	20-24	N/A					
CEMETERY	24	N/A					

EXISTING STRUCTURES

ROAD	SHEET	STRUCTURE TYPE	WM STATION	ROADWAY STATION OFFSET	IDOT PAY ITEM NAME	EXST. GROUND EL. (FT.)	PR. GROUND EL. (FT.)
BRUSH COLLEGE	10	VALVE BOX	-	73+64, RT 20.3	VALVE BOXES TO BE ADJUSTED	672.0	672.3
	10	VALVE BOX	-	75+41, LT 24.2	VALVE BOXES TO BE ADJUSTED	671.6	671.7
JUG HANDLE	17	N/A	-				
FARIES	13	FIRE HYDRANT	-	215+86, RT 49.2	FIRE HYDRANTS TO BE MOVED AND REPLACED	673.9	673.9
	14	VALVE BOX	-	221+30, LT 6.9	VALVE BOXES TO BE ADJUSTED	668.3	668.6
	14	VALVE BOX	-	221+62, LT 5.4	VALVE BOXES TO BE ADJUSTED	668.0	668.8
	14	VALVE BOX	-	221+68, LT 9.7	VALVE BOXES TO BE ADJUSTED	668.0	668.2
	14	MANHOLE	-	221+68, LT 4.7	MANHOLES TO BE ADJUSTED	667.6	668.7
	14	FIRE HYDRANT	-	221+60, RT 37.5	FIRE HYDRANTS TO BE MOVED AND REPLACED	668.7	668.2
	15	VALVE BOX	-	225+47, LT 5.7	VALVE BOXES TO BE ADJUSTED	659.5	660.7
	15	FIRE HYDRANT	-	225.47, RT 31.8	FIRE HYDRANTS TO BE MOVED AND REPLACED	662.0	662.0
	15	MANHOLE	-	225+64, LT 0.1	MANHOLES TO BE ADJUSTED	659.2	660.9
	15	MANHOLE	-	225+79, RT 34.4	MANHOLES TO BE ADJUSTED	654.0	660.0
	15	MANHOLE	-	229+75, RT 41.2	MANHOLES TO BE ADJUSTED	645.1	657.8
	16	VALVE BOX	-	232+16, LT 1.6	VALVE BOXES TO BE ADJUSTED	662.3	662.5
	16	VALVE BOX	-	232+22, RT 2.4	VALVE BOXES TO BE ADJUSTED	662.5	662.6
	16	MANHOLE	-	232+22, LT 2.8	MANHOLES TO BE ADJUSTED	662.5	662.6
	16	FIRE HYDRANT	-	232+16, LT 30.9	FIRE HYDRANTS TO BE MOVED AND REPLACED	664.1	664.1
	16	VALVE BOX	-	234+71, LT 1.7	VALVE BOXES TO BE ADJUSTED	665.7	666.1
LOGAN	18	N/A					
JAMES	19	N/A					
HARRISON	20-24	N/A					
CEMETERY	24	N/A					



NOTES

1. ALL NUMBERING SHOWN IS FOR WATER MAIN KEY PLAN NUMBERING. REFER TO FOLLOWING SHEETS.

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_SHT_KeyPlan\WM

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

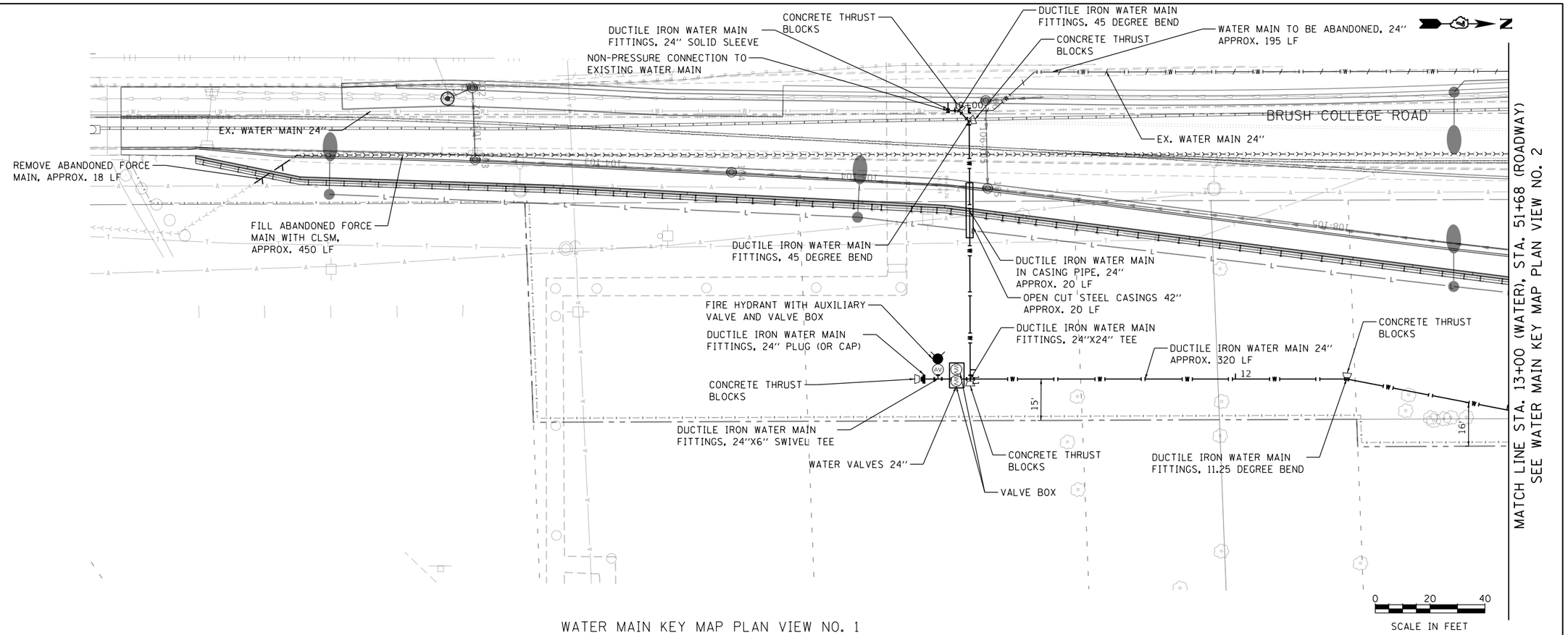
USER NAME = brooke.henry	DESIGNED - BNH	REVISED - XXX	
	DRAWN - BNH	REVISED - XXX	
PLOT SCALE = 400.0002 ' / in.	CHECKED - PSA	REVISED - XXX	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

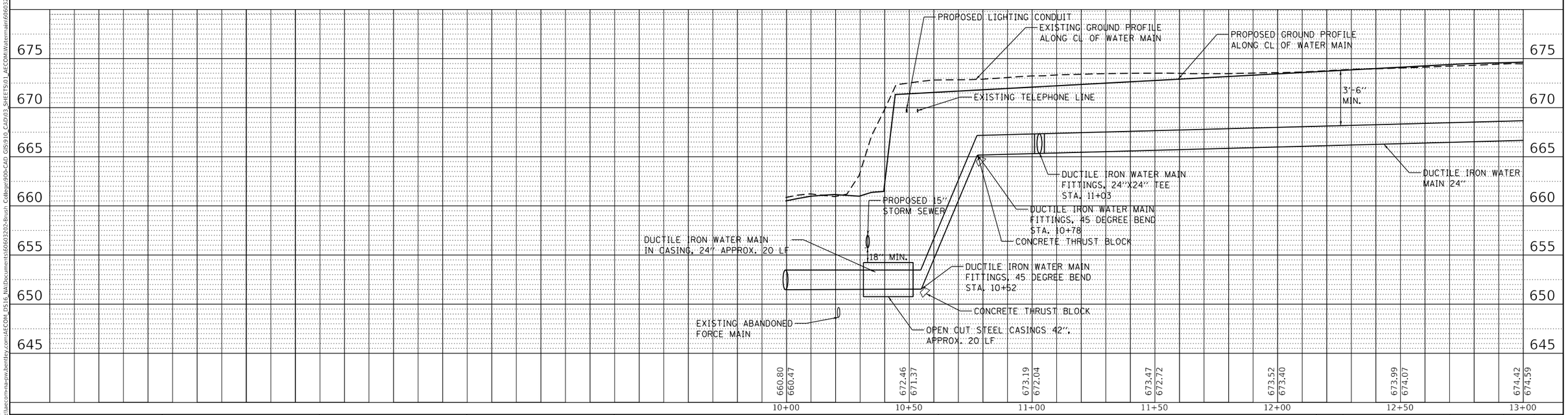
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN KEY PLAN MAP

SCALE: 1"=200' | SHEET 3 OF 28 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	469
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



WATER MAIN KEY MAP PLAN VIEW NO. 1



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

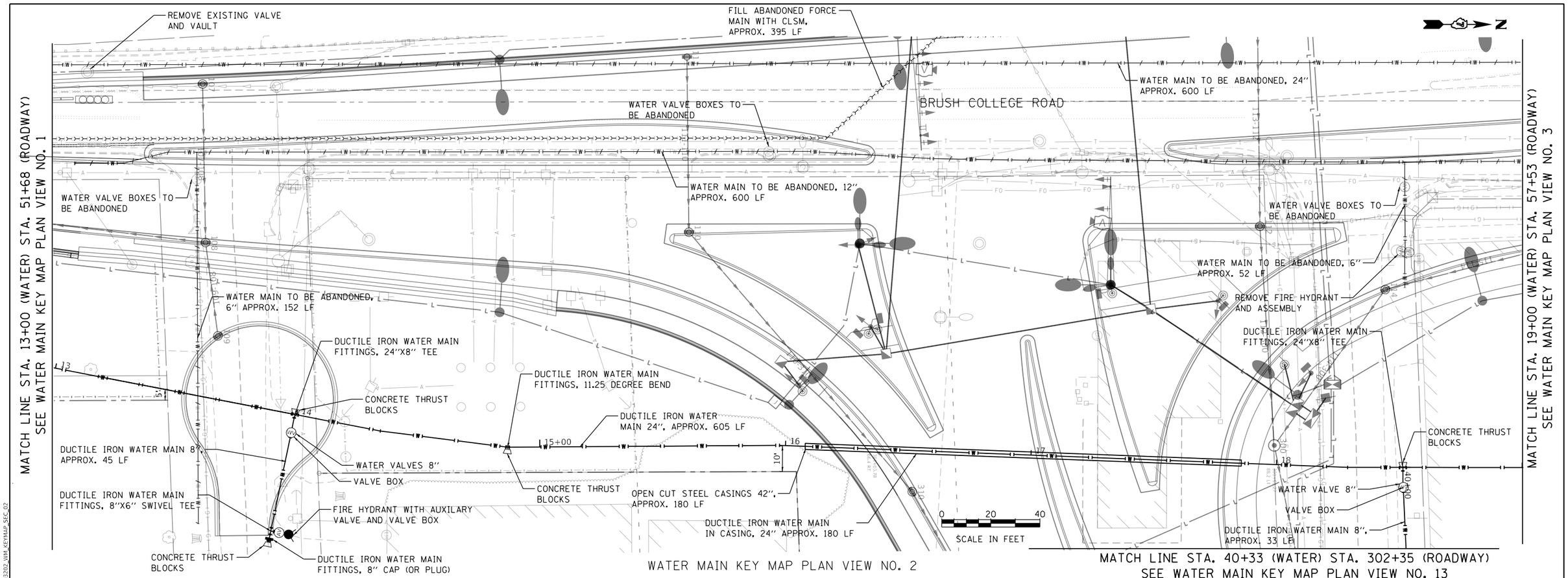
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

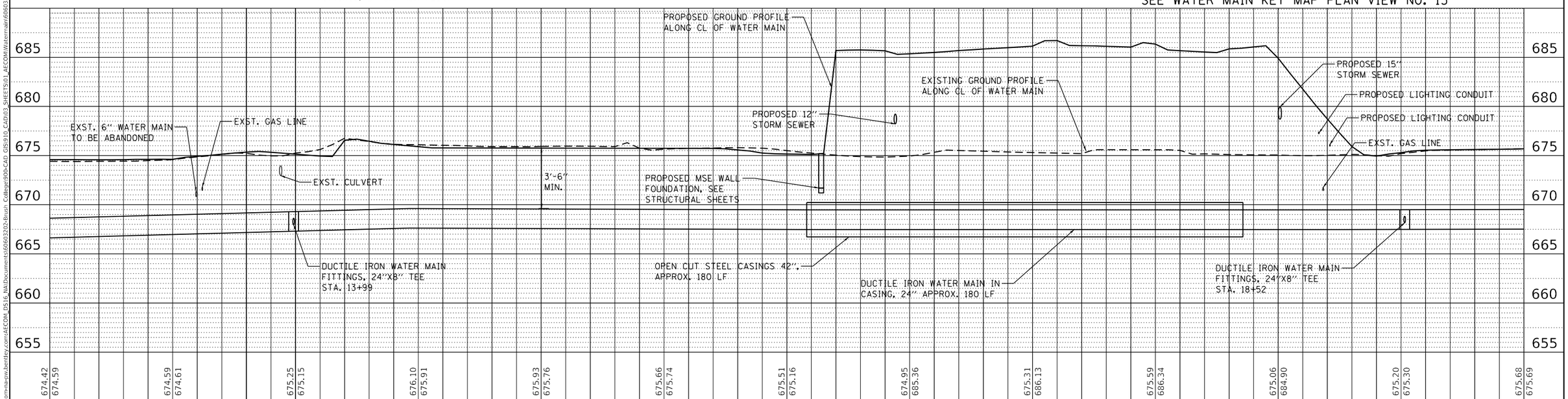
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 4 OF 28 SHEETS | STA. 10+00 TO STA. 13+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	470
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



WATER MAIN KEY MAP PLAN VIEW NO. 2



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

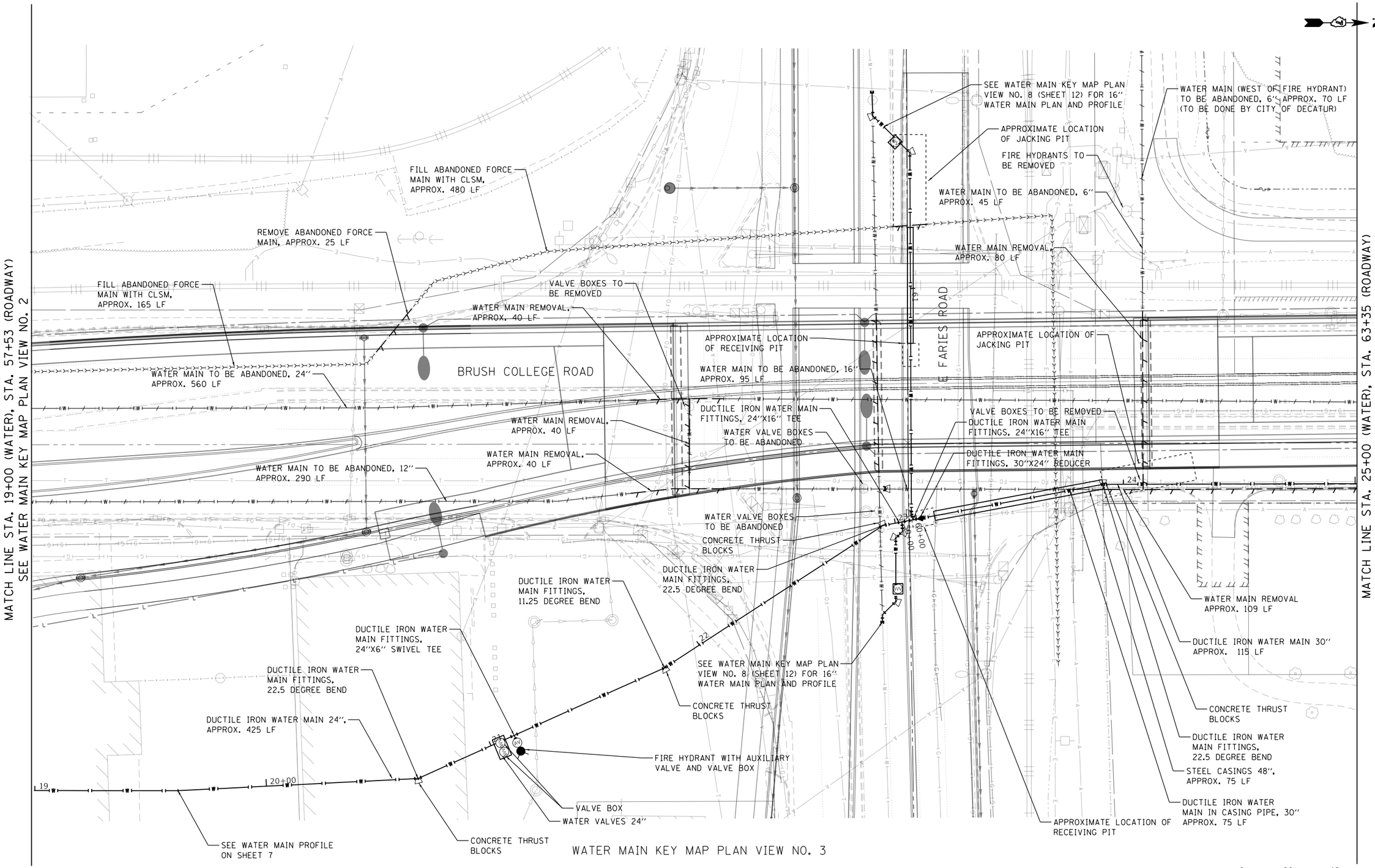
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 28 SHEETS | STA. 13+00 TO STA. 19+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	471
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



WATER MAIN KEY MAP PLAN VIEW NO. 3

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AECOM
315 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

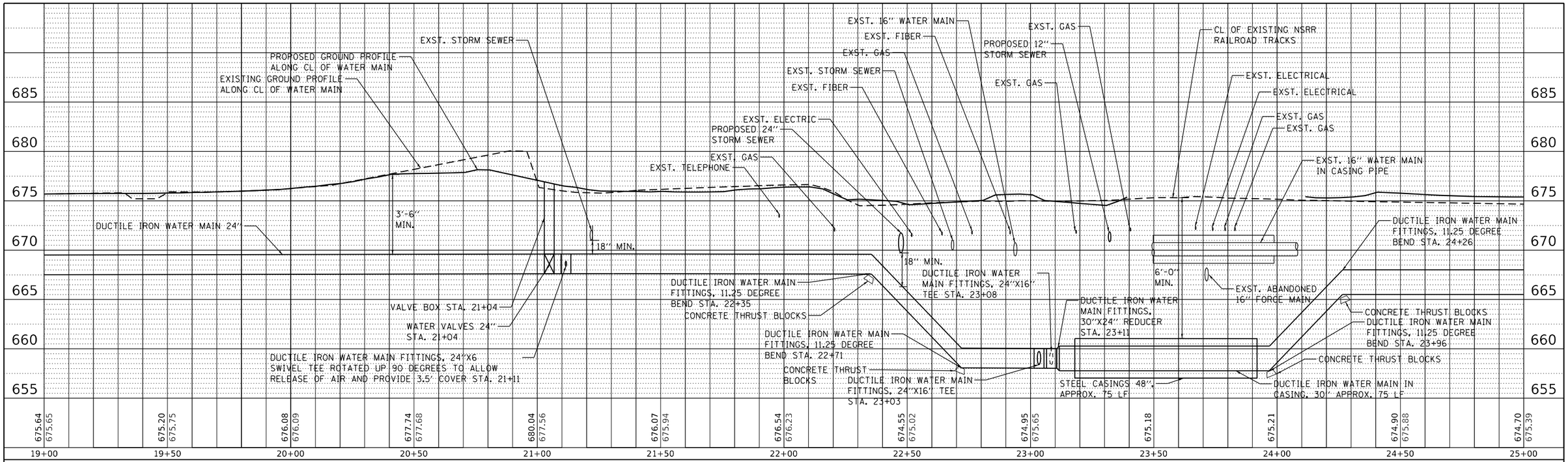
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 6 OF 28 SHEETS | STA. 19+00 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	472
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 773-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

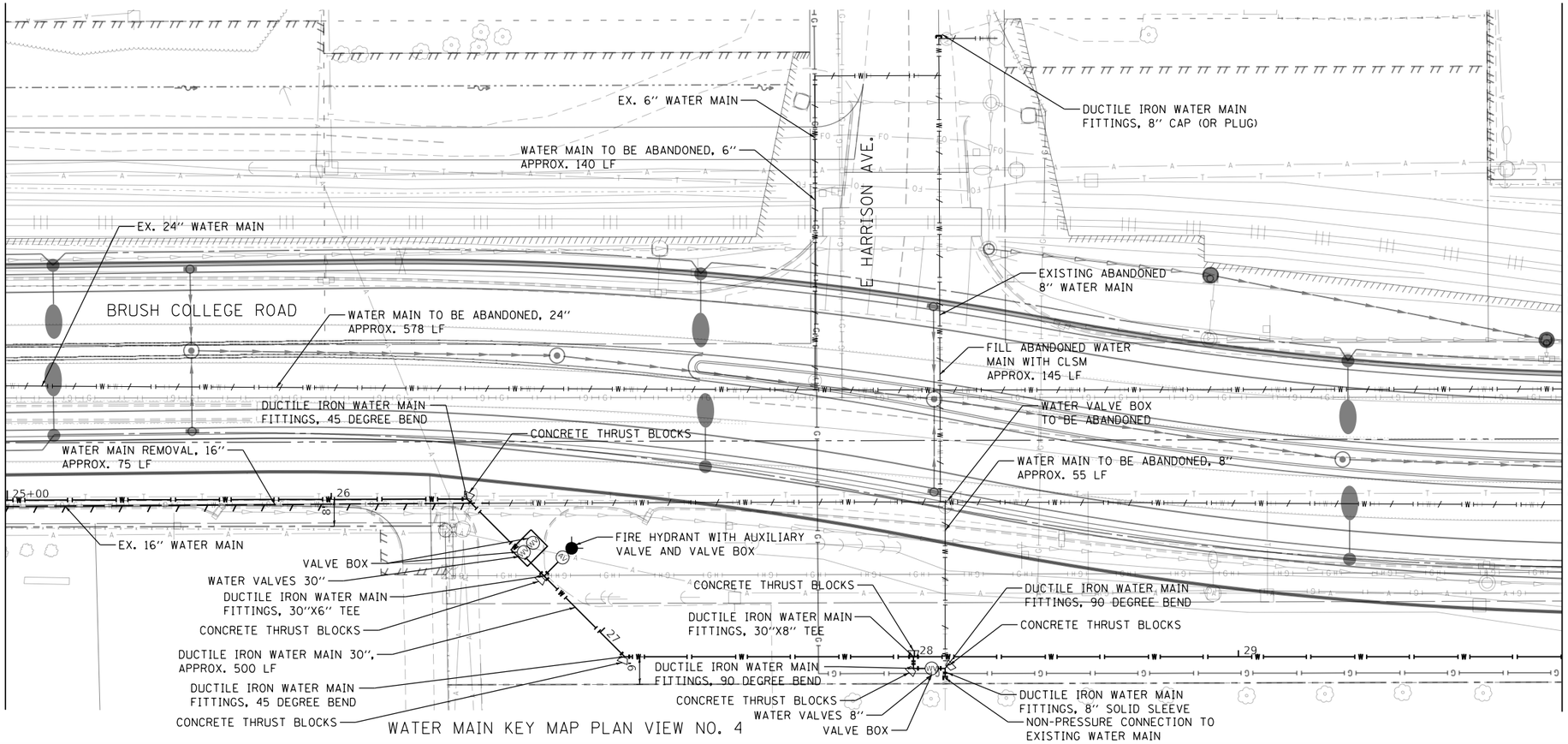
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PROFILE

SCALE: 1"=20' | SHEET 7 OF 28 SHEETS | STA. 19+00 TO STA. 25+00

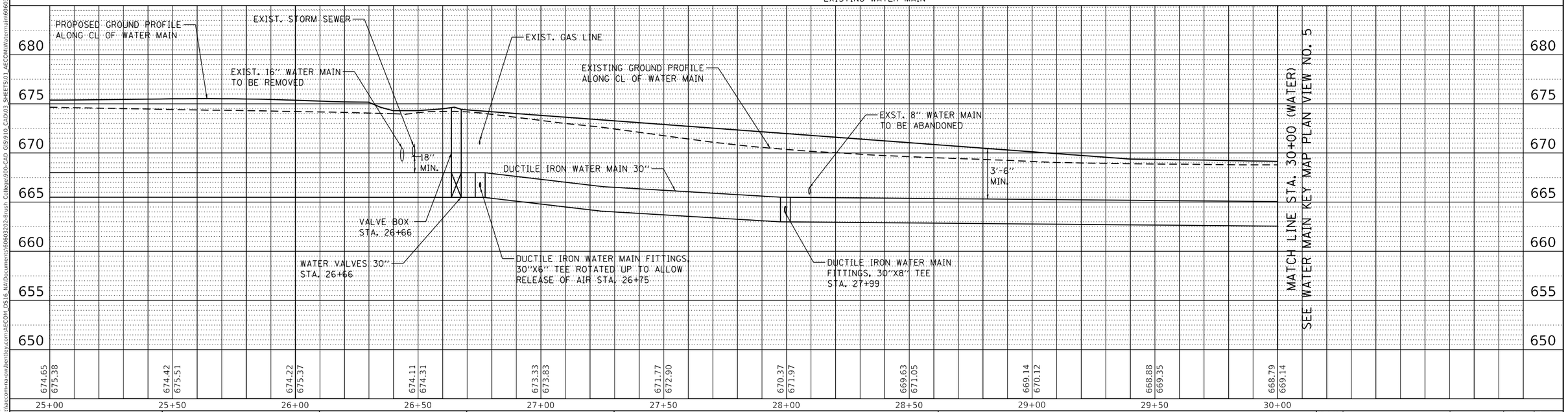
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	473

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 4



PLAN	BY	DATE
SURVEYED		
PLOTTED		
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RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
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B.M. NOTED		
STRUCTURE NOTATNS CHKD		
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

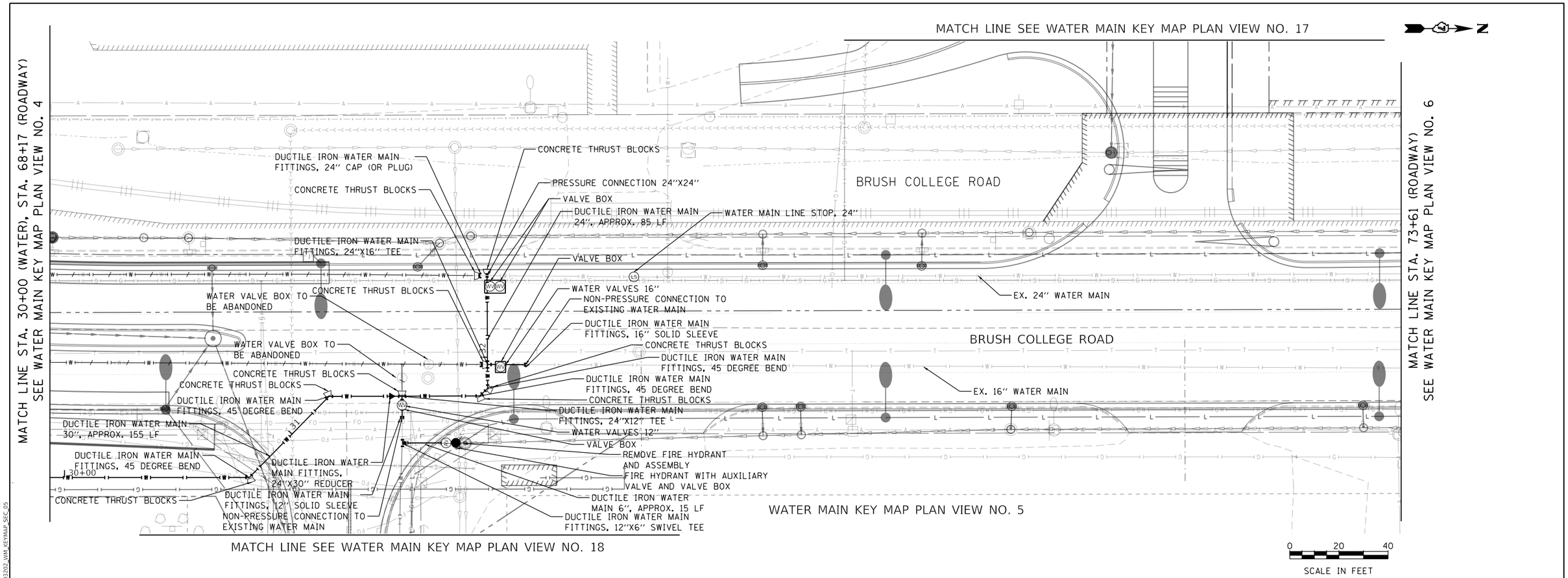
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

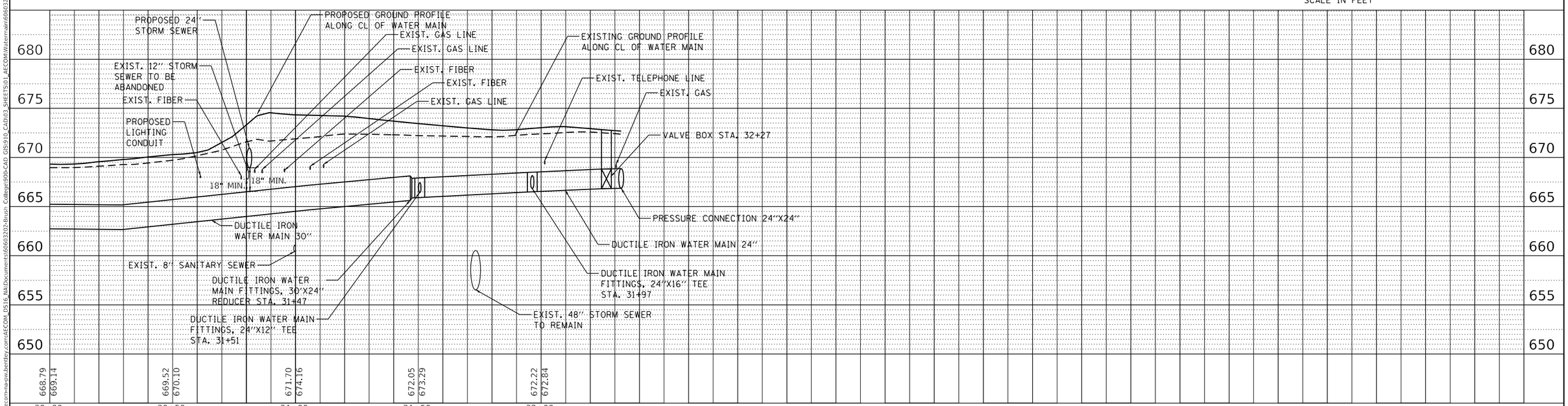
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 28 SHEETS | STA. 25+00 TO STA. 30+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	474
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	





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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

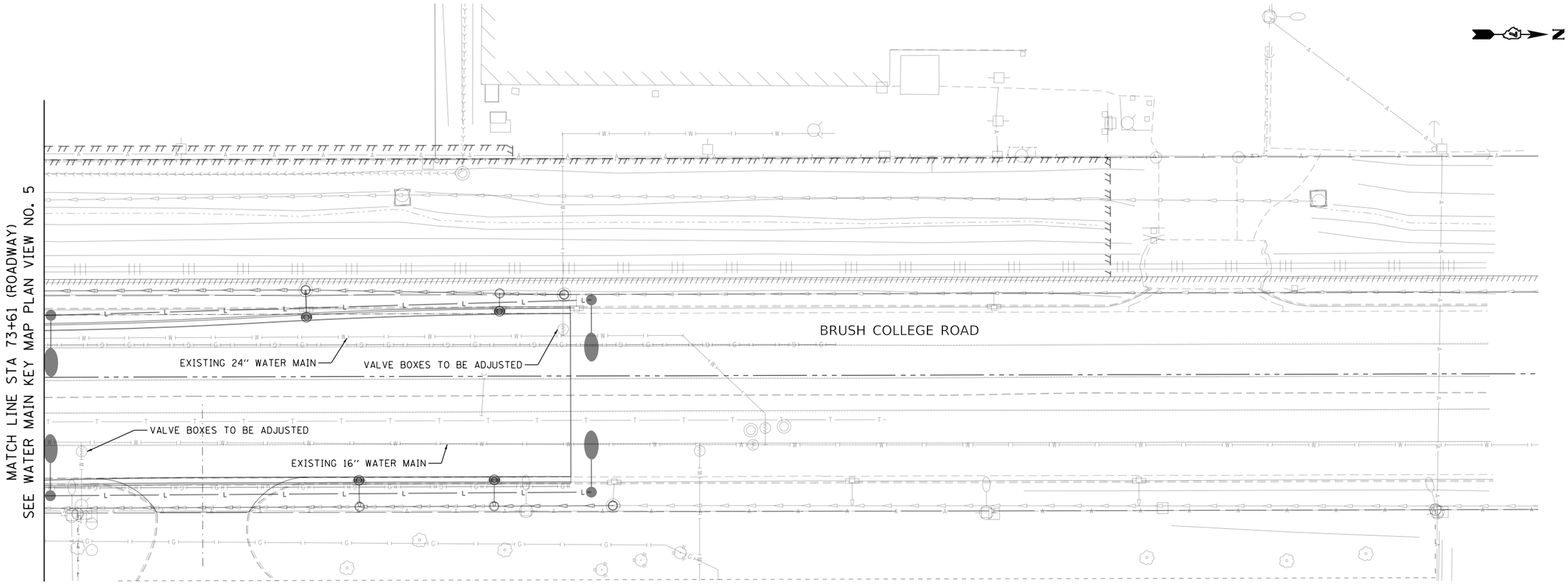
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 9 OF 28 SHEETS | STA. 30+00 TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	475

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 6

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SCALE IN FEET

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

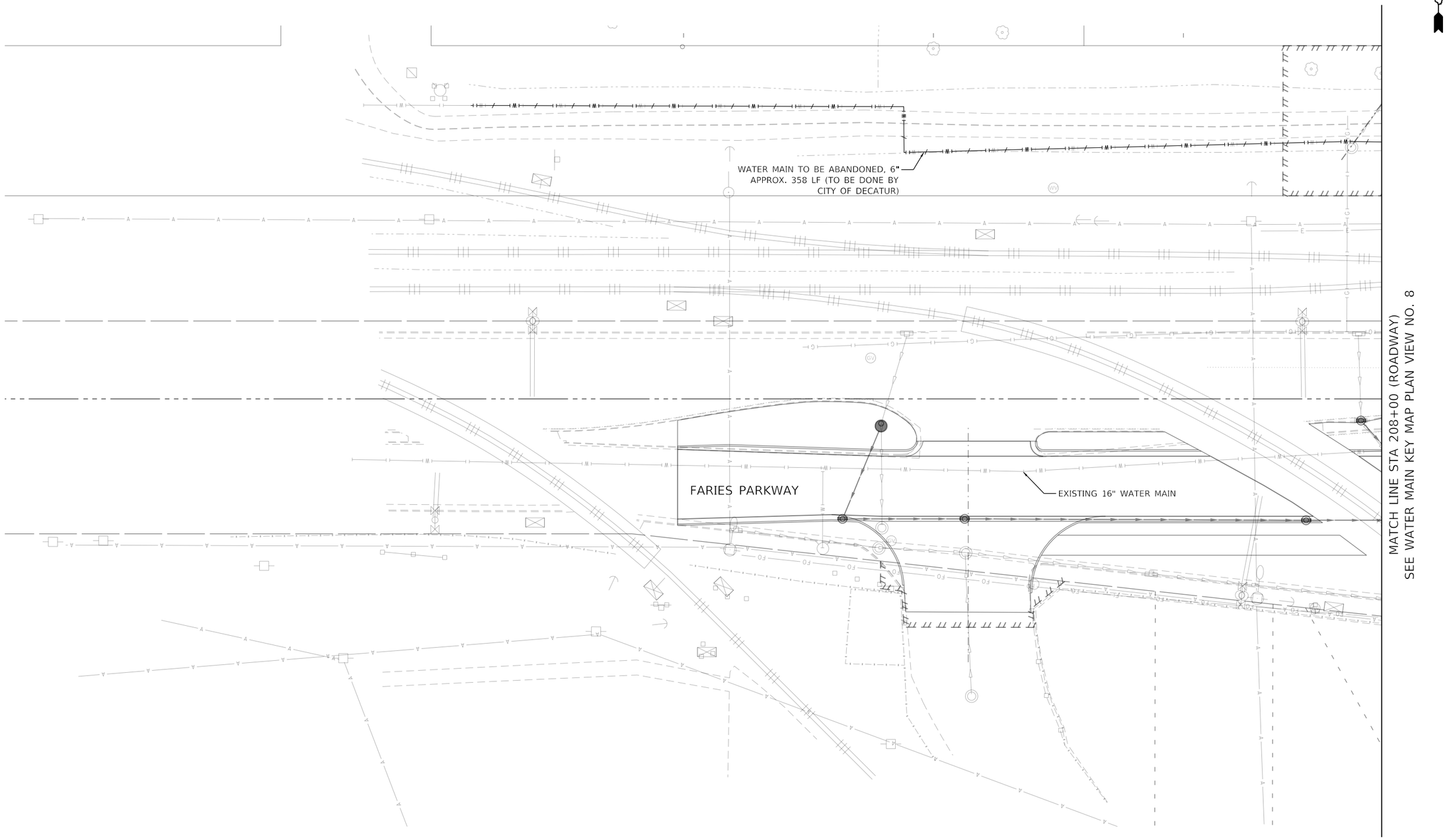
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 10 OF 28 SHEETS | STA. 73+61 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	476

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 7

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

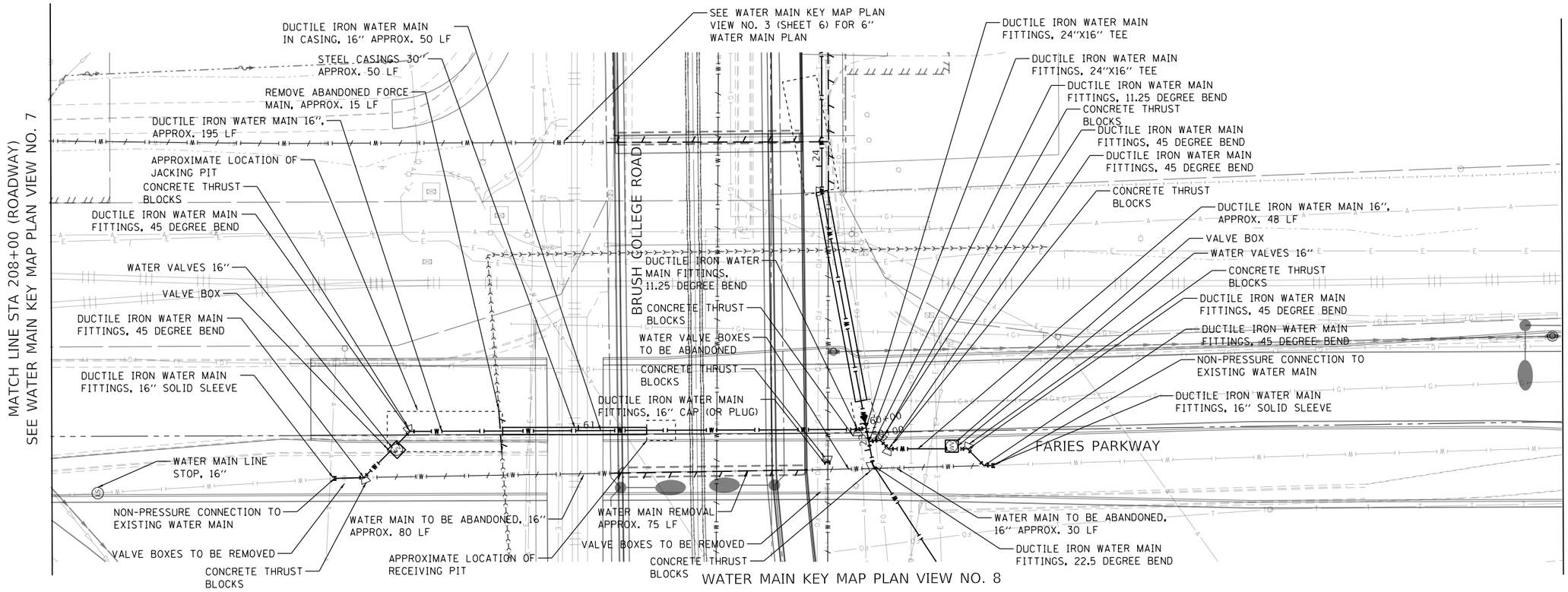
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

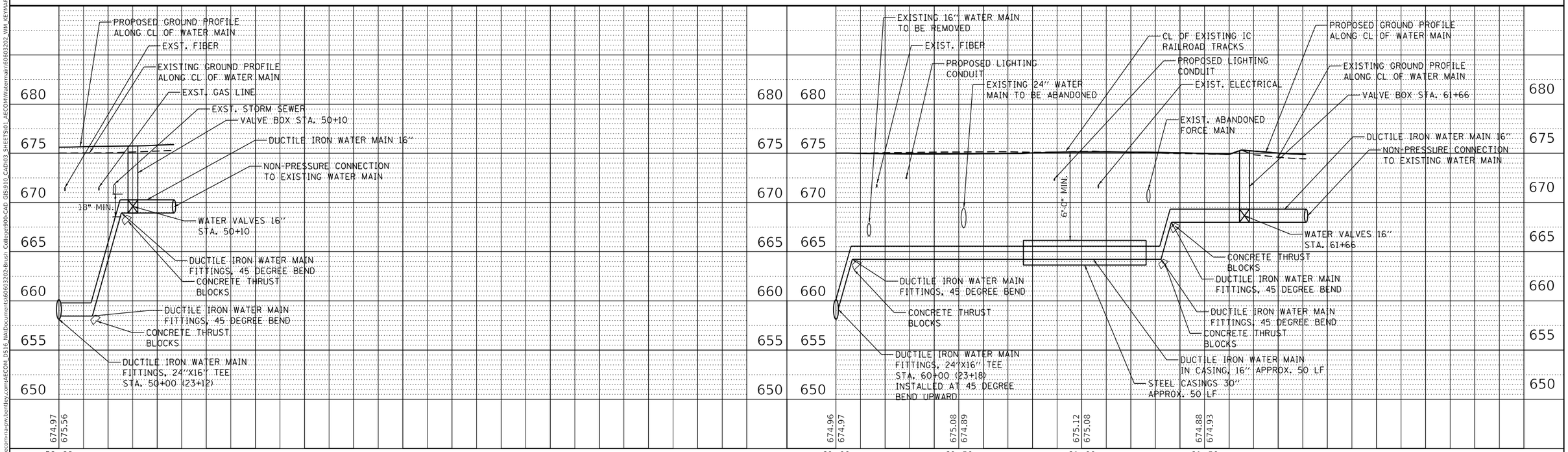
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 11 OF 28 SHEETS | STA. 202+50 TO STA. 208+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	477
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



WATER MAIN KEY MAP PLAN VIEW NO. 8



PROFILE

SURVEYED	PLOTTED	ALIGNMENT CHECKED	RT. OF WAY CHECKED	CADD FILE NAME	NOTE BOOK NO.	BY	DATE

PLAN

SURVEYED	PLOTTED	ALIGNMENT CHECKED	RT. OF WAY CHECKED	CADD FILE NAME	NOTE BOOK NO.	BY	DATE

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 773-6065

USER NAME = busanskyl	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 11/2/2020	DATE - 10/30/2020	REVISED -	

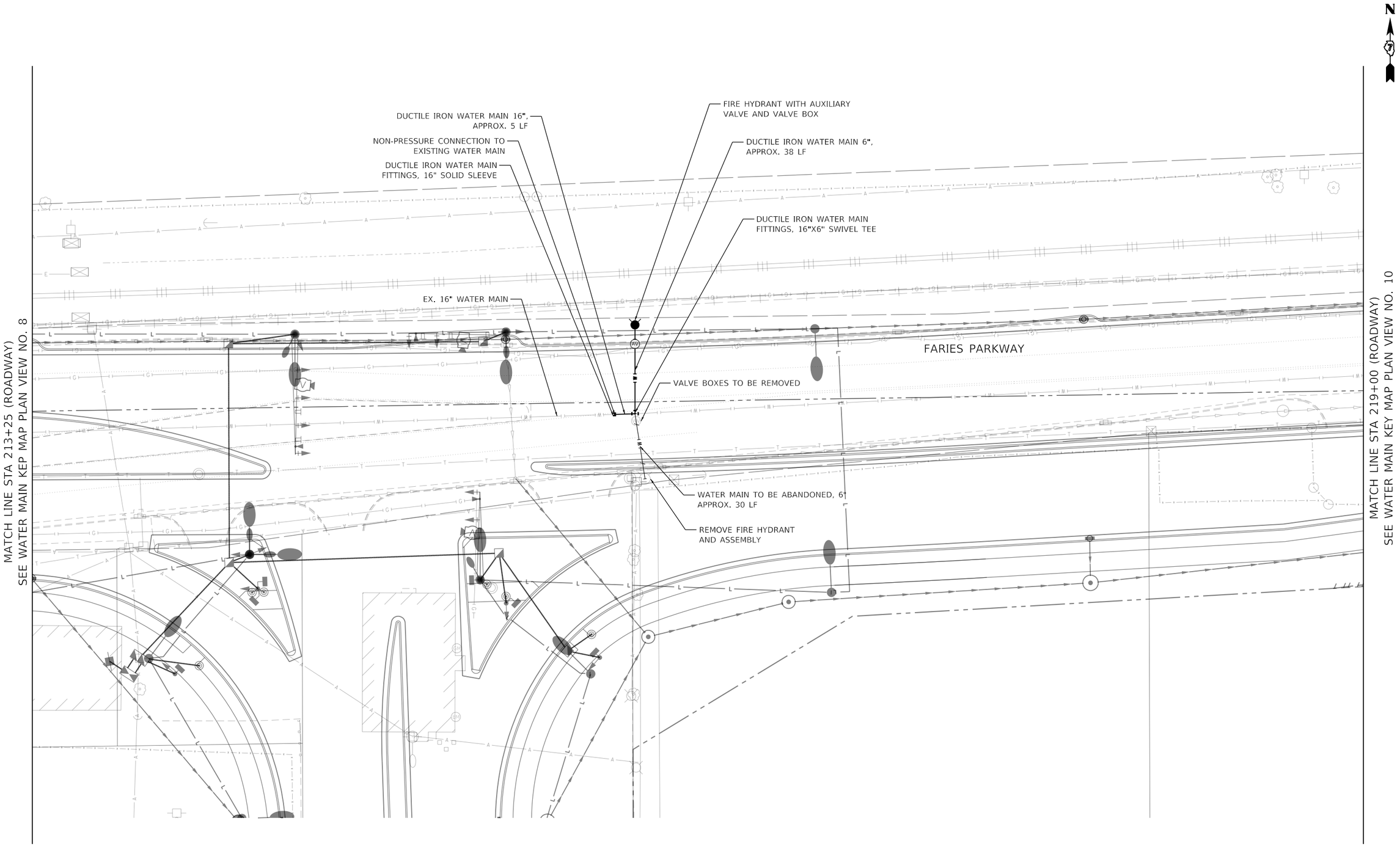
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 12 OF 28 SHEETS | STA. 208+00 TO STA. 213+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	478

CONTRACT NO. XXXX(XXX)
ILLINOIS FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 9

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SCALE IN FEET

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

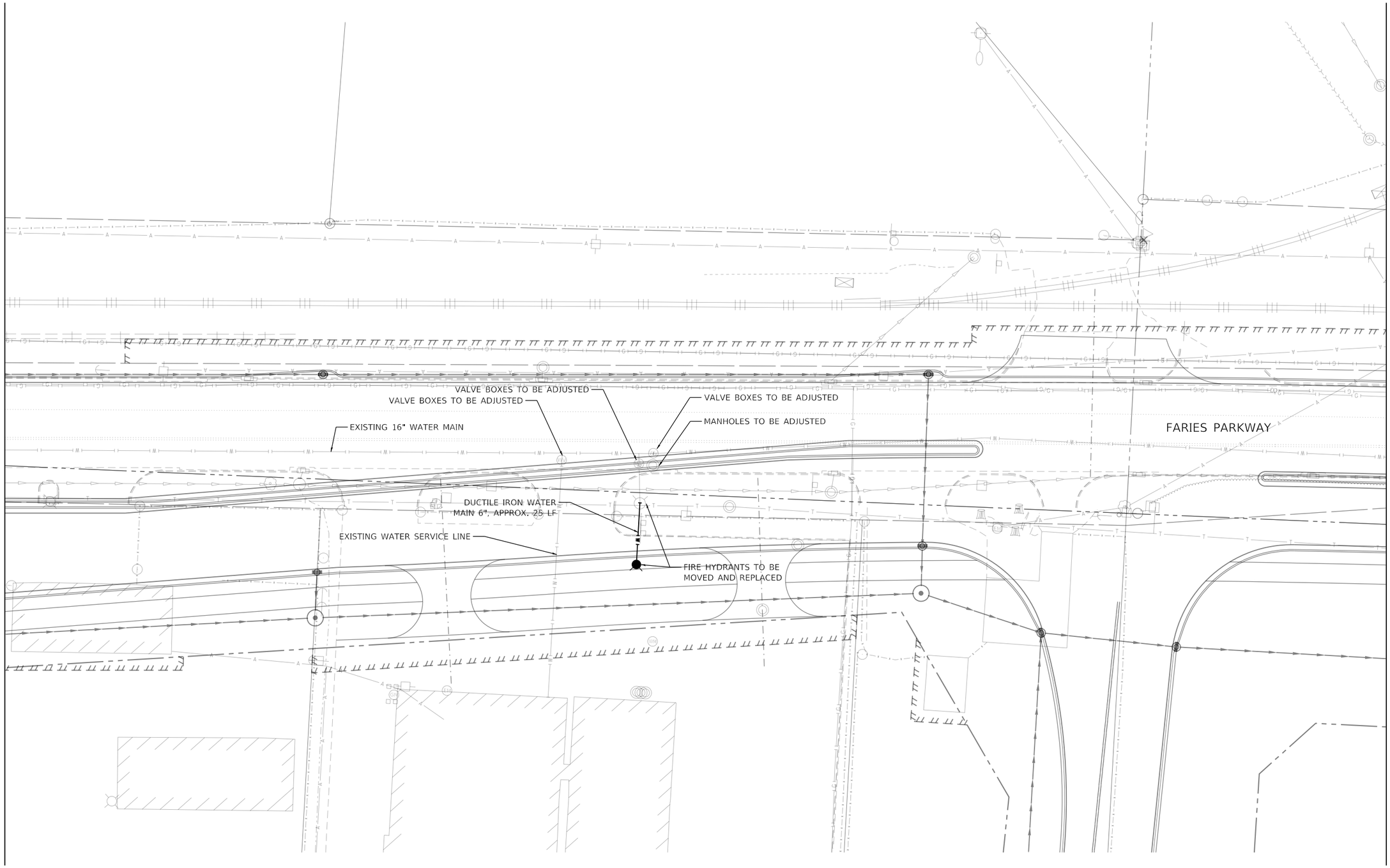
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 13 OF 28 SHEETS | STA. 213+25 TO STA. 219+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	479

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 10

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SCALE IN FEET

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

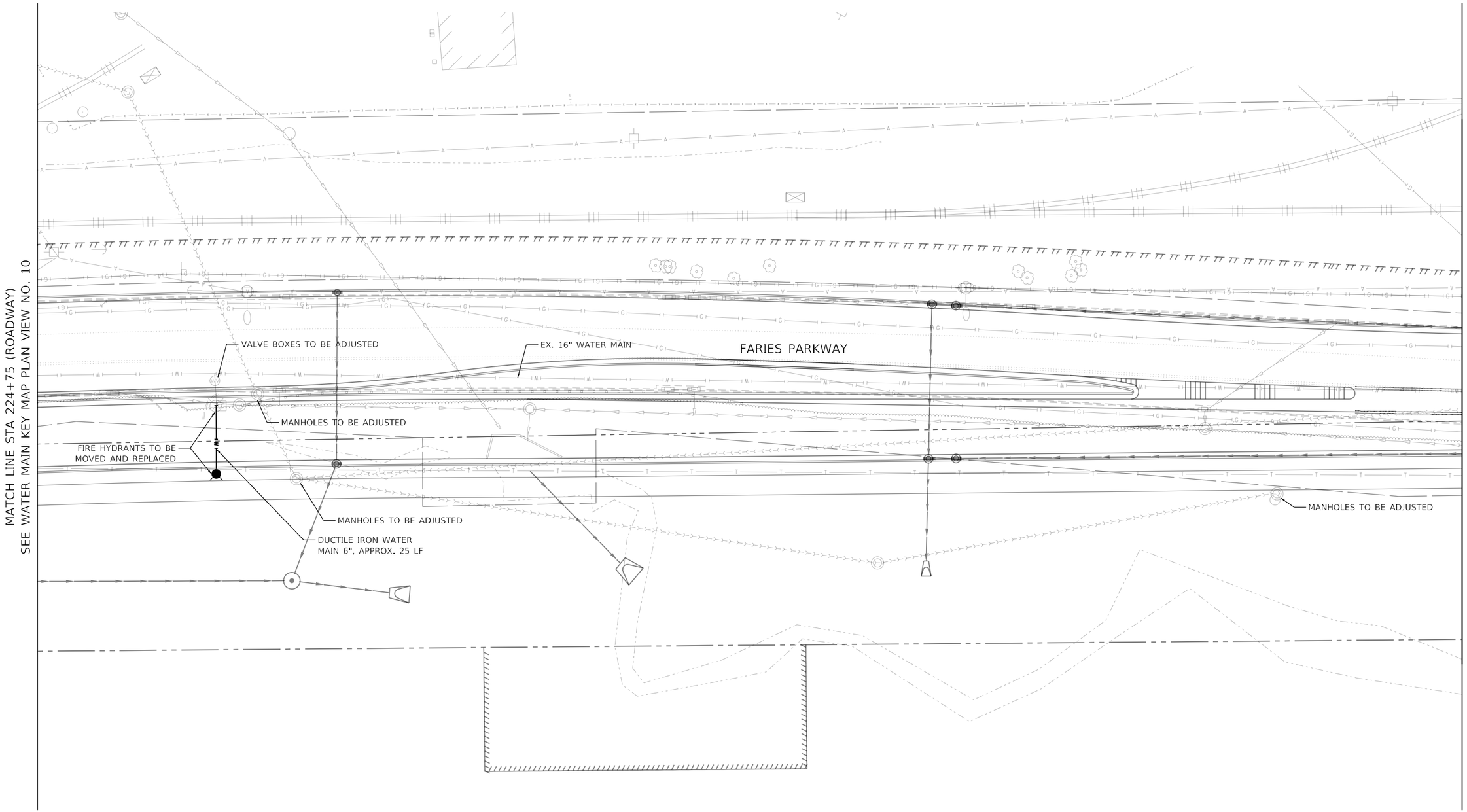
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 14 OF 28 SHEETS | STA. 219+00 TO STA. 224+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	480
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



WATER MAIN KEY MAP PLAN VIEW NO. 11

0 20 40
SCALE IN FEET

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

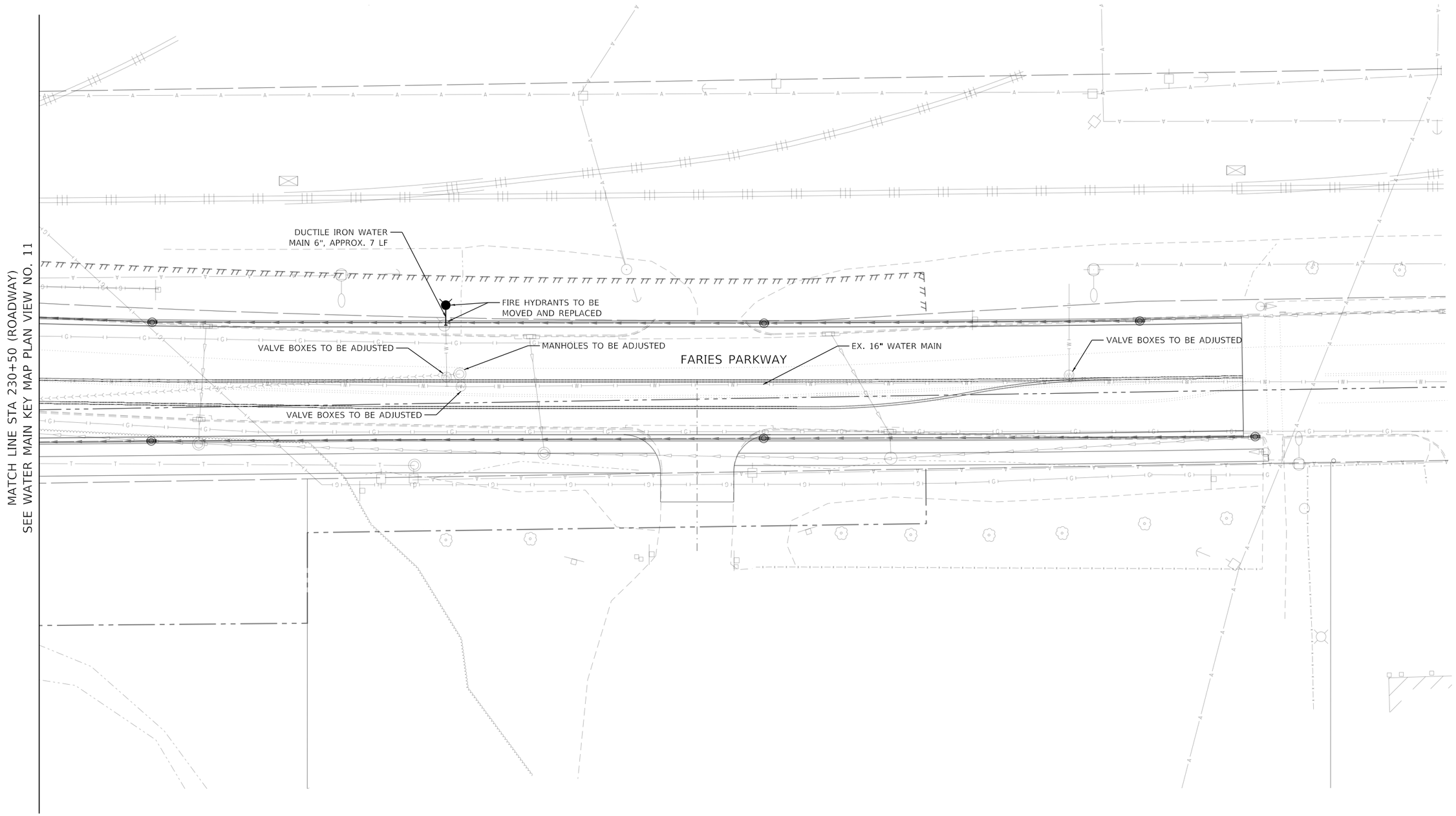
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN AND SANITARY SEWER PLAN

SCALE: 1" = 20' | SHEET 15 OF 28 SHEETS | STA. 224+75 TO STA. 230+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	481

CONTRACT NO. XXXX(XXX)

ILLINOIS FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 12

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SCALE IN FEET

MODEL: Default
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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

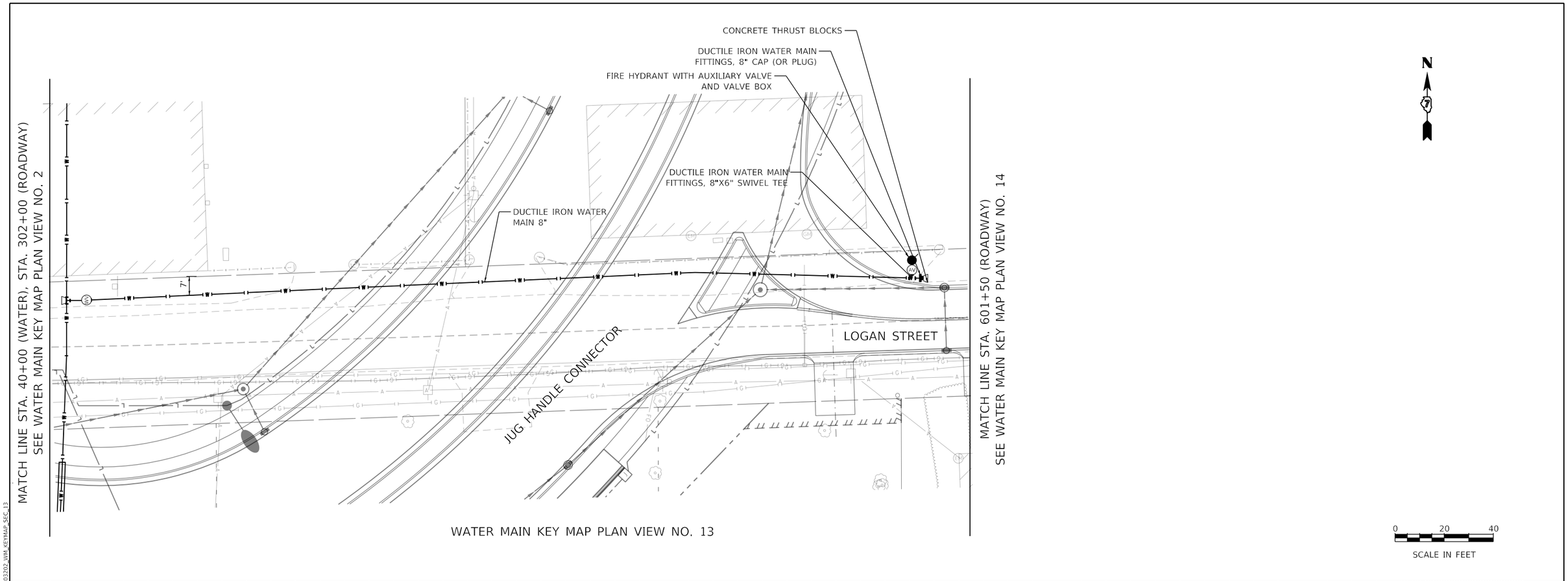
USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

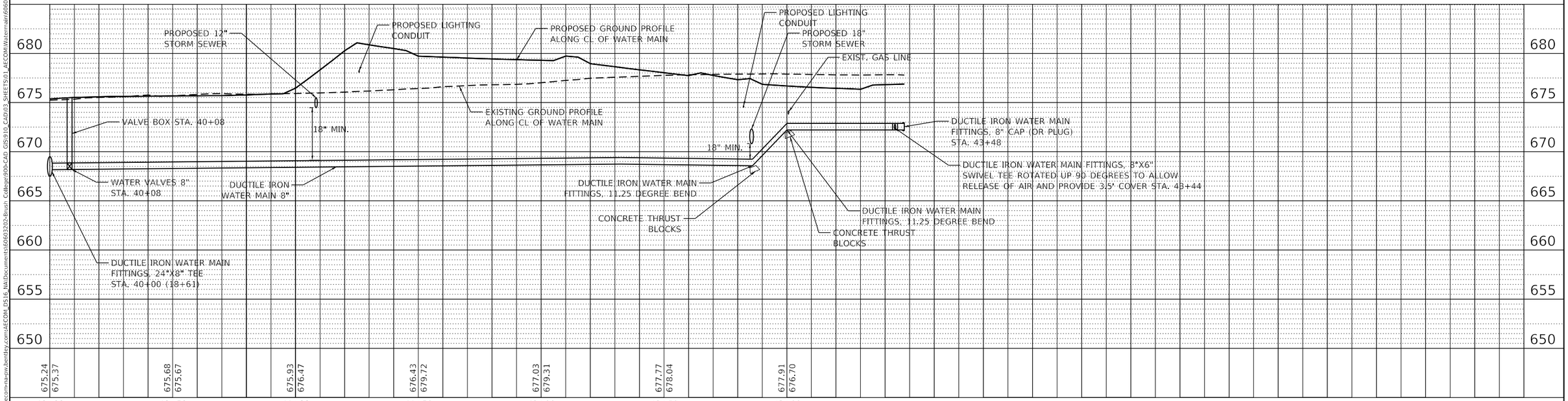
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN

SCALE: 1"=20' | SHEET 16 OF 28 SHEETS | STA. 230+50 TO STA. 236+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	482
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



WATER MAIN KEY MAP PLAN VIEW NO. 13



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTAT'NS CPKD		
NOTE BOOK NO.		

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AECOM
345 EAST ASH AVENUE, SUITE B
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PHONE: (217) 773-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

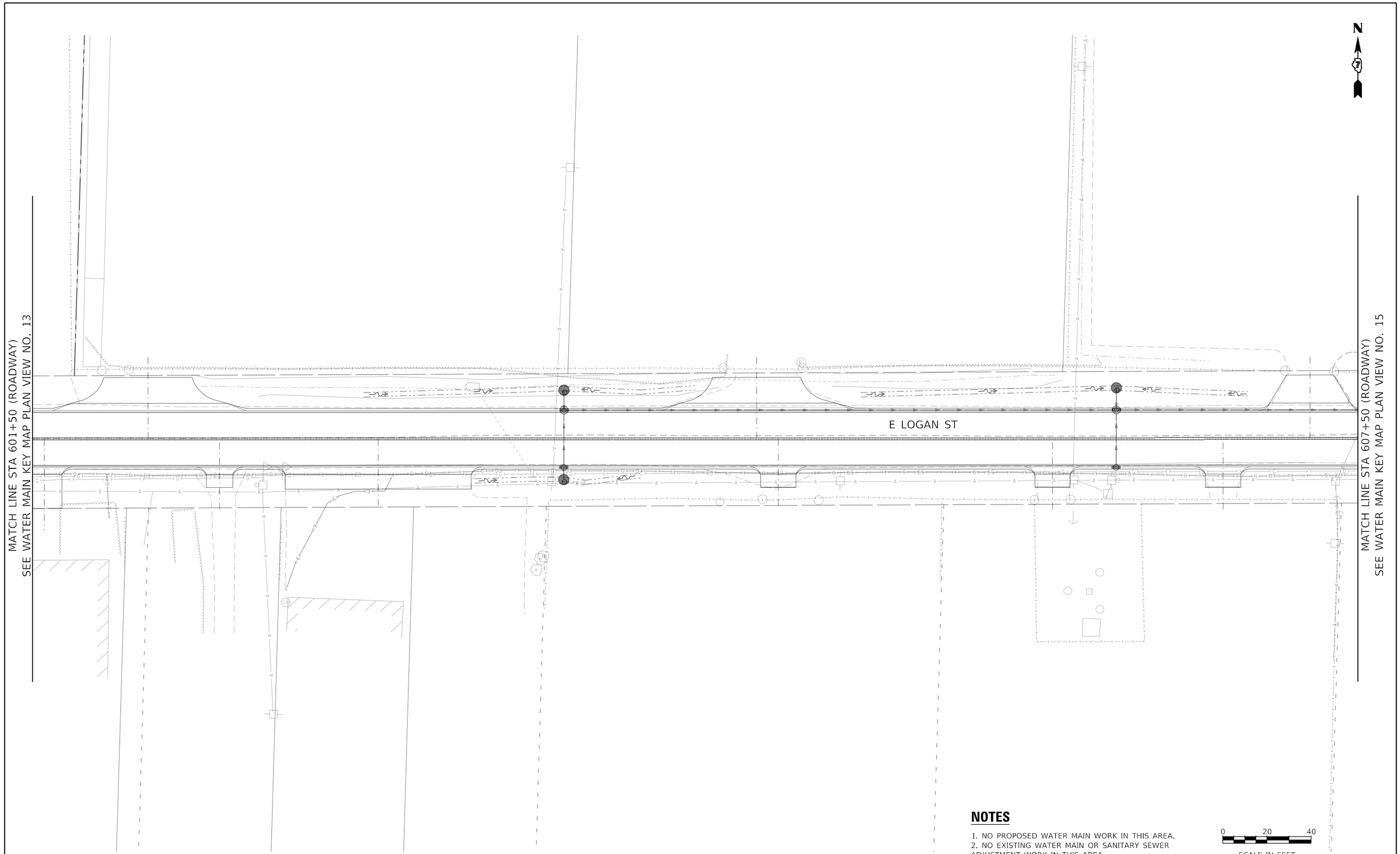
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PLAN AND PROFILE

SCALE: 1"=20' | SHEET 17 OF 28 SHEETS | STA. 40+50 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	483

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40

SCALE IN FEET

WATER MAIN KEY MAP PLAN VIEW NO. 14

MODEL: Default
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PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

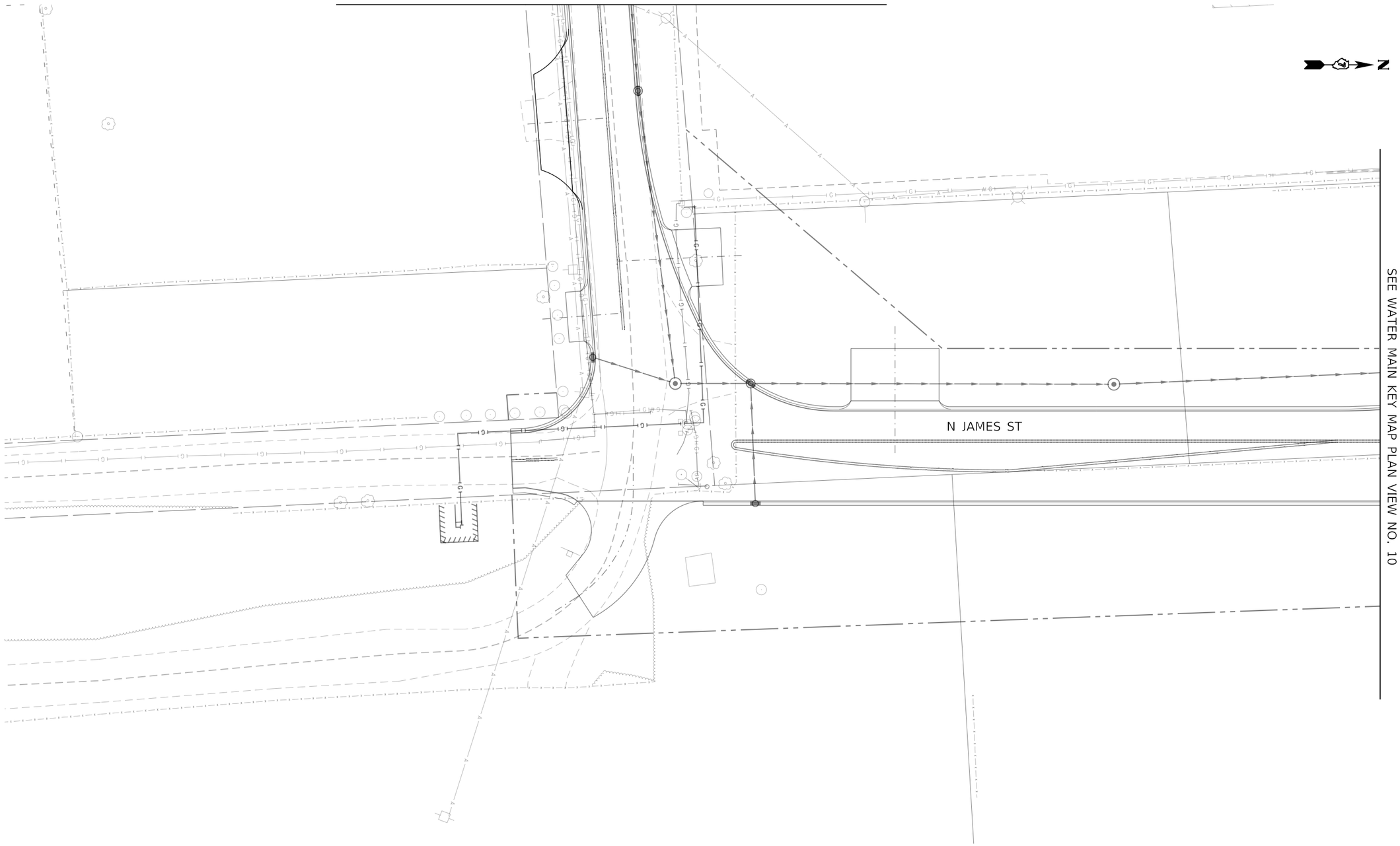
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 18 OF 28 SHEETS | STA. 601+50 TO STA. 607+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	484
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA 607+50 (ROADWAY)
SEE WATER MAIN KEY MAP PLAN VIEW NO. 14



MATCH LINE STA 407+50 (ROADWAY)
SEE WATER MAIN KEY MAP PLAN VIEW NO. 10

WATER MAIN KEY MAP PLAN VIEW NO. 15

NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_WM_KEYMAP_SEC_15

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	DRAWN - BNH	REVISED -	
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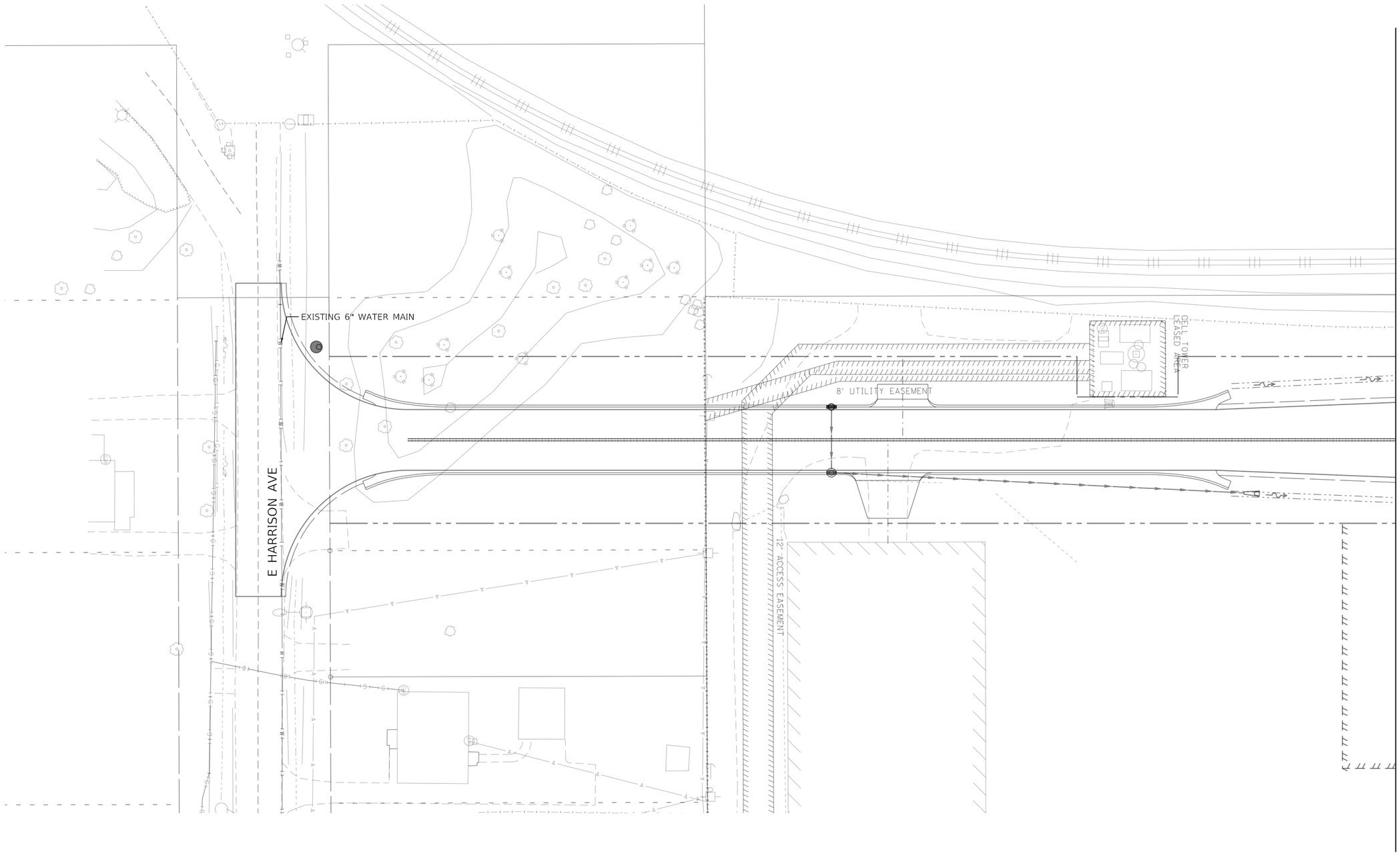
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 19 OF 28 SHEETS | STA. 402+50 TO STA. 407+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	485
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



WATER MAIN KEY MAP PLAN VIEW NO. 16

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	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

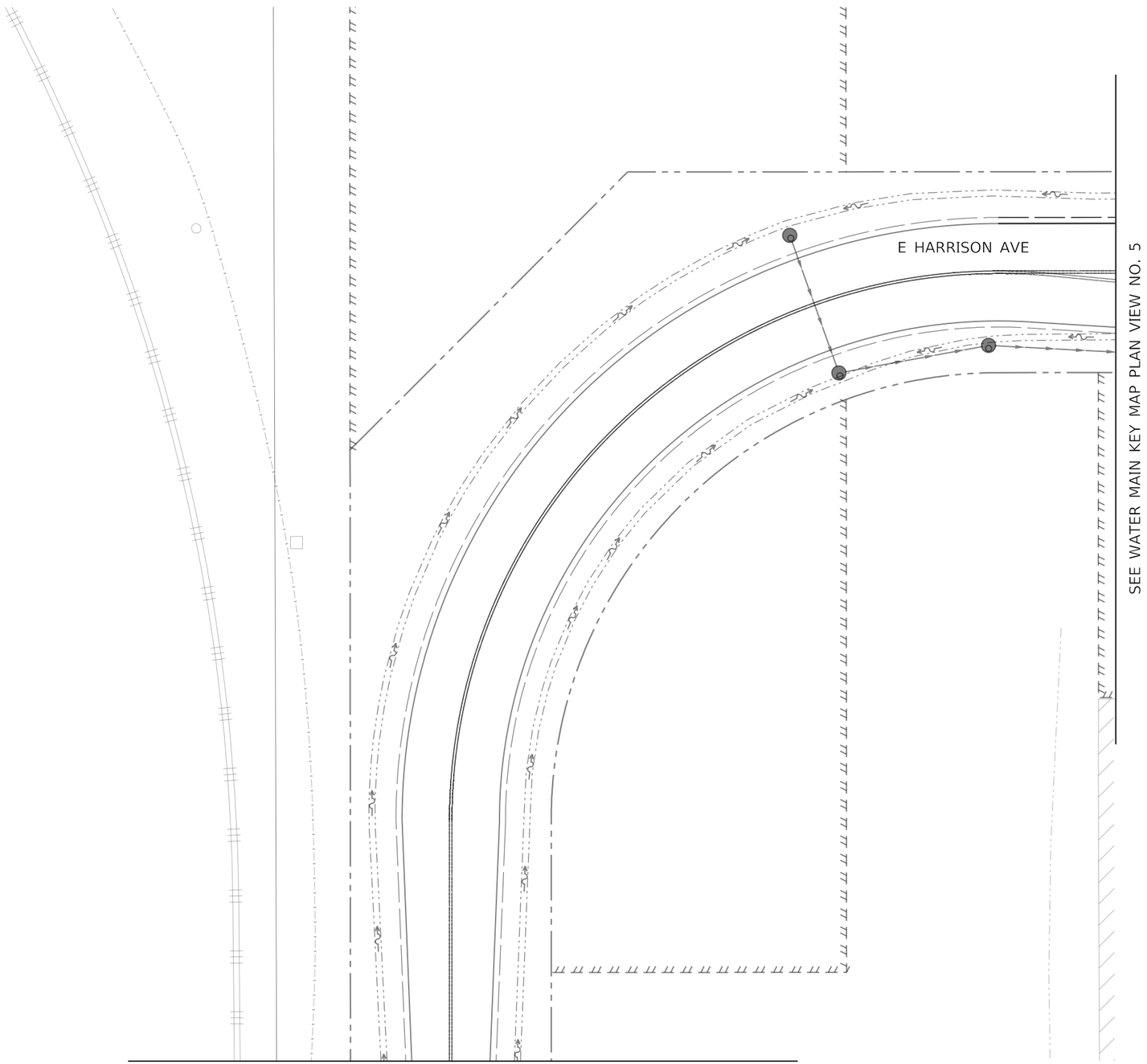
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 20 OF 28 SHEETS | STA. 800+00 TO STA. 804+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	486

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 17

NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40
SCALE IN FEET

MODEL: Default
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	DRAWN - BNH	REVISED -	
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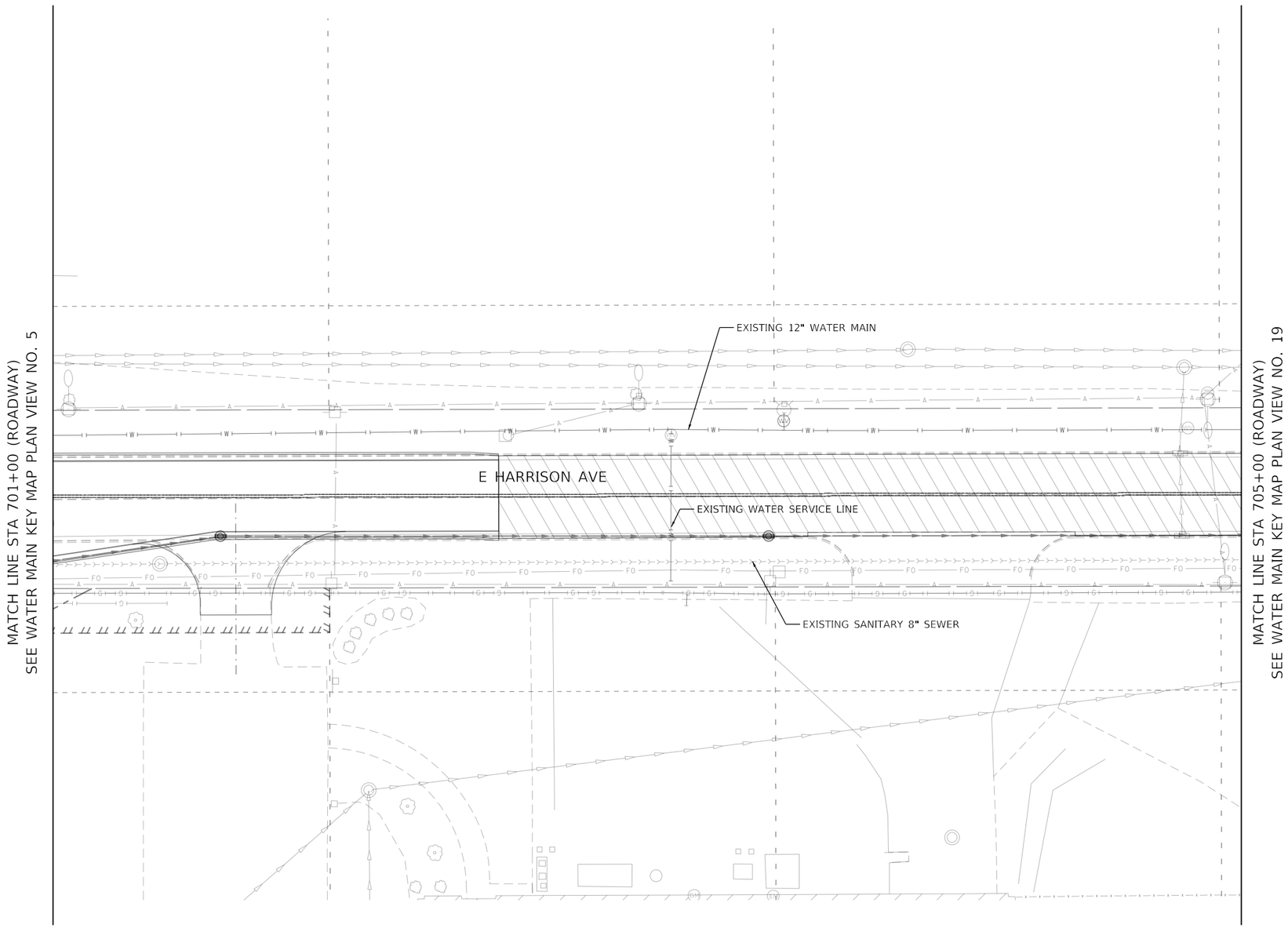
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 21 OF 28 SHEETS | STA. 804+00 TO STA. 808+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	487
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



WATER MAIN KEY MAP PLAN VIEW NO. 18

NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_WM_KEYMAP_SEC_18

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	DRAWN - XXX	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - XXX	REVISED -
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -

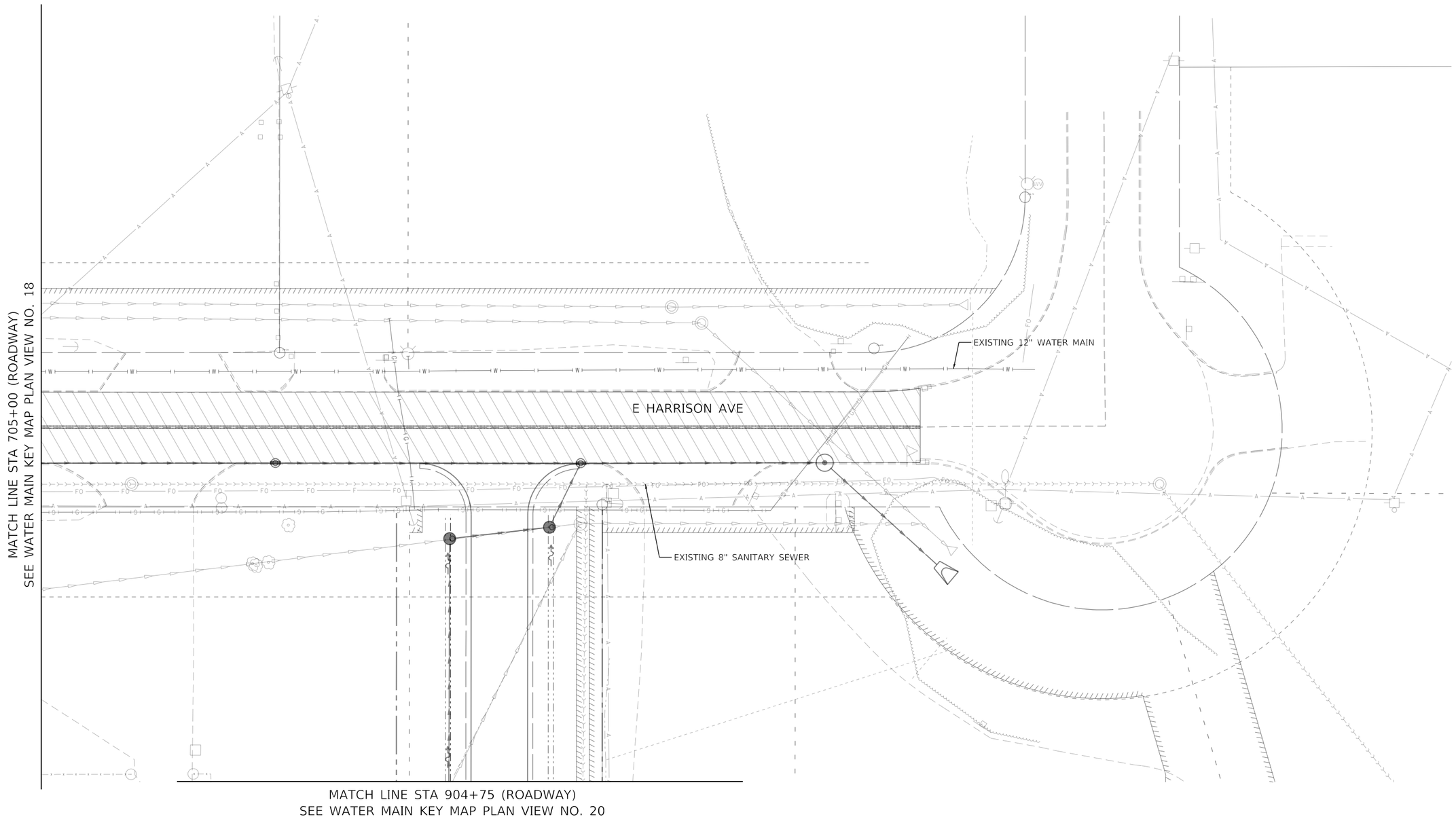
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 22 OF 28 SHEETS | STA. 701+00 TO STA. 705+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	488

CONTRACT NO. XXXX(XXX)
ILLINOIS FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 19

NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_WM_KEYMAP_SEC_19

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	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

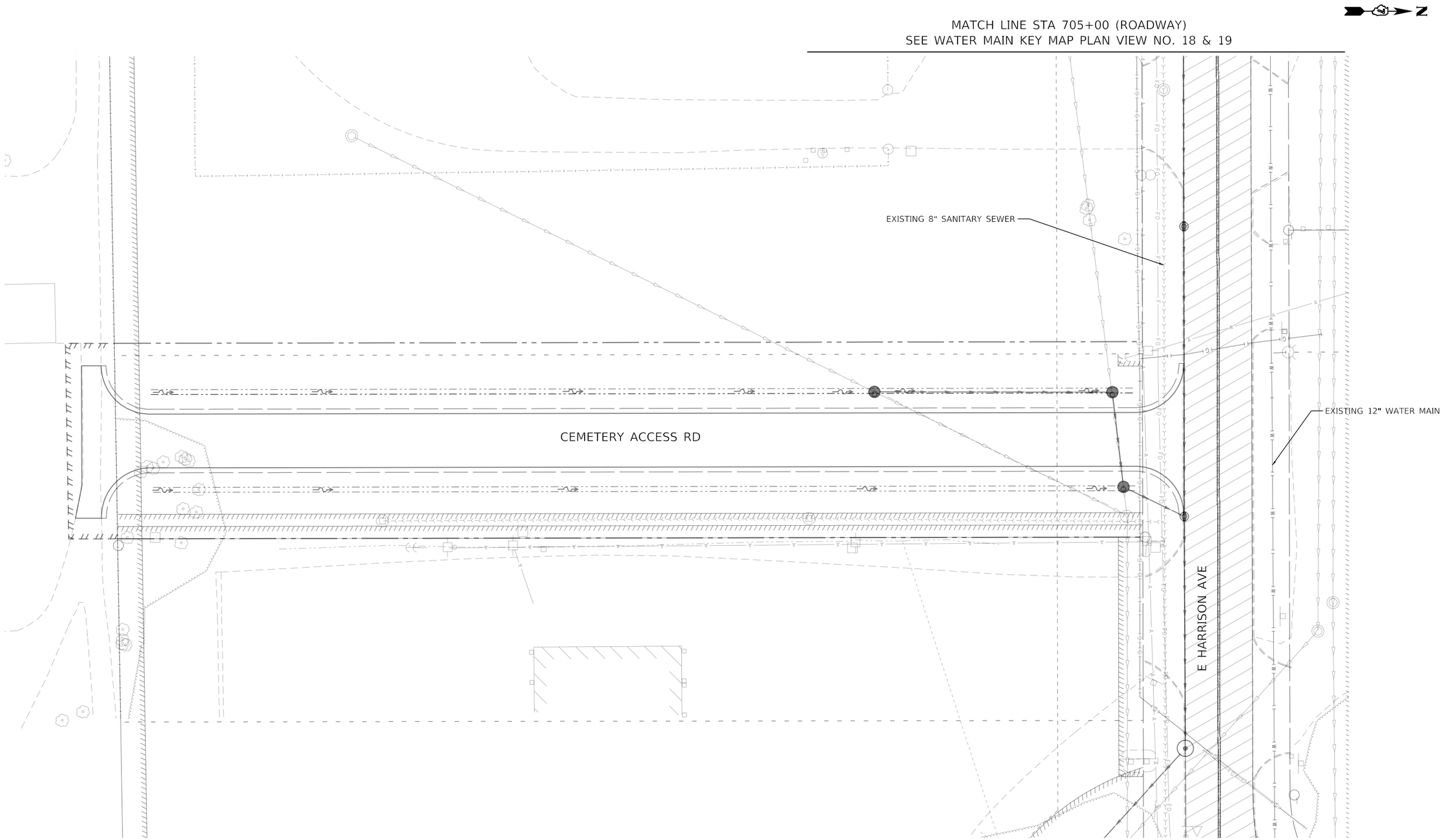
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 23 OF 28 SHEETS | STA. 705+00 TO STA. 710+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	489

CONTRACT NO. XXXX(XXX)
ILLINOIS | FED. AID PROJECT



WATER MAIN KEY MAP PLAN VIEW NO. 20

NOTES

1. NO PROPOSED WATER MAIN WORK IN THIS AREA.
2. NO EXISTING WATER MAIN OR SANITARY SEWER ADJUSTMENT WORK IN THIS AREA.

0 20 40
SCALE IN FEET

MODEL: Default
FILE NAME: pw:\\aecom-naspw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_WM_KEYMAP_SEC_20

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USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

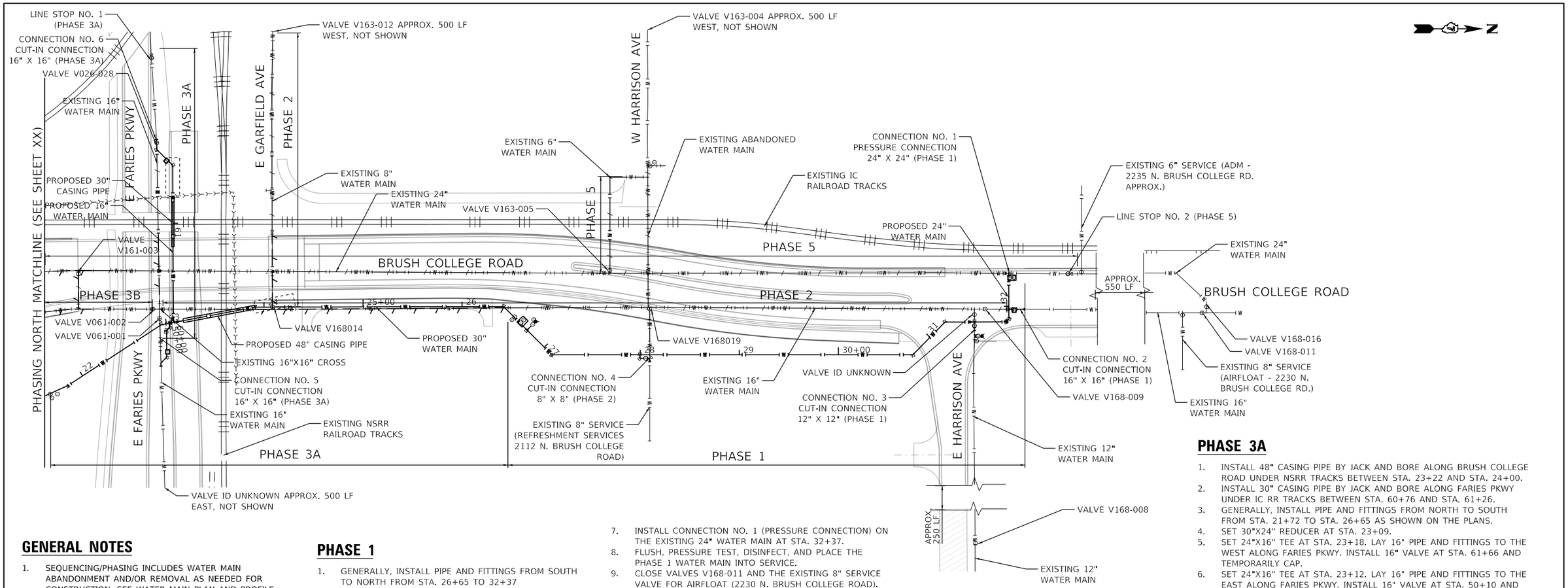
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
EXISTING UTILITY PLAN

SCALE: 1"=20' | SHEET 24 OF 28 SHEETS | STA. 900+00 TO STA. 904+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	490

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



GENERAL NOTES

1. SEQUENCING/PHASING INCLUDES WATER MAIN ABANDONMENT AND/OR REMOVAL AS NEEDED FOR CONSTRUCTION. SEE WATER MAIN PLAN AND PROFILE SHEETS FOR DETAILED LOCATIONS OF WATER MAIN REMOVAL.
2. ALL WORK REQUIRES A COORDINATION MEETING WITH THE CITY A MINIMUM OF 48 HOURS IN ADVANCE.
3. MAXIMUM ALLOWABLE DURATION FOR EACH SHUT DOWN IS 8 HOURS.
4. ALL SHUT DOWNS MUST BE COORDINATED WITH THE CITY OF DECATUR AND THE CUSTOMERS BEING AFFECTED.
5. CONTRACTOR IS NOT ALLOWED TO OPERATE EXISTING VALVES AND HYDRANTS. EXISTING VALVES AND HYDRANTS ARE ONLY TO BE OPERATED BY THE CITY OF DECATUR.
6. THE SEQUENCING PLAN DETAILED HEREIN IS THE ENGINEER'S GENERAL RECOMMENDED APPROACH, WHICH MAY NEED TO BE REVISED BASED ON FIELD CONDITIONS, EXISTING VALVE OPERABILITY, ETC. CONTRACTOR REQUESTED CHANGES TO THE SEQUENCING MAY BE CONSIDERED BUT MUST BE SUBMITTED IN ADVANCE TO THE CITY AND THE ENGINEER FOR APPROVAL. ANY CHANGES TO THE SEQUENCING SHALL BE AT NO ADDITIONAL COST TO THE CONTRACT.
7. ALL PREPARATION WORK, INCLUDING, BUT NOT LIMITED TO, EXCAVATION, THRUST BLOCKS, PIPE CLEANING, TEST SHUTDOWNS, ETC. SHALL BE DONE IN ADVANCE OF CONSTRUCTING THE PROPOSED CONNECTIONS TO REDUCE SHUT DOWN TIMES. ALL PROPOSED FITTINGS, VALVES, AND HYDRANTS SHALL BE LOCATED ON-SITE, IN ADVANCE OF CONSTRUCTION TO PROVIDE SUFFICIENT OPPORTUNITY FOR THE PROPOSED APPURTENANCES TO BE INSPECTED.
8. PROVIDE ALL TEMPORARY AND PERMANENT BRACING/ THRUST BLOCKING REQUIRED FOR ALL PRESSURIZED PIPING AND SYSTEMS.
9. THE STATION LOCATIONS IN THE PHASING NOTES REFERENCE THE PROPOSED WATER MAIN BASELINE.

PHASE 1

1. GENERALLY, INSTALL PIPE AND FITTINGS FROM SOUTH TO NORTH FROM STA. 26+65 TO 32+37 AS SHOWN ON THE PLANS.
2. INSTALL 30" VALVE AT STA. 26+65.
3. SET TEE AND FIRE HYDRANT AT STA. 26+75.
4. SET 30"X8" TEE, 8" VALVE, AND TEMPORARY CAP AT STA. 28+10.
   A. THIS WORK IS IN PREPARATION FOR CONNECTION NO. 4, WHICH WILL BE COMPLETED AT THE END OF PHASE 1 (8" CONNECTION FOR REFRESHMENT SERVICES AT 2112 BRUSH COLLEGE ROAD).
5. CLOSE EXISTING VALVE V168-008 AND THE EXISTING VALVE (UNKNOWN ID) AT BRUSH COLLEGE ROAD AND E. HARRISON AVENUE.
   A. INSTALL PERMANENT CAP ON EXISTING 12" WATER MAIN TO WEST OF FUTURE CONNECTION POINT.
   B. INSTALL TEMPORARY CAP ON EXISTING 12" WATER MAIN TO EAST OF FUTURE CONNECTION POINT.
   C. OPEN VALVE V168-008 TO PLACE 12" WATER MAIN BACK INTO SERVICE.
   D. INSTALL 24"X12" TEE, VALVE, PIPING AND APPURTENANCES AT STA. 31+61 INCLUDING A TEMPORARY CAP AND THE PROPOSED HYDRANT ASSEMBLY AT THE NORTHEAST CORNER OF BRUSH COLLEGE ROAD AND E. HARRISON AVENUE.
6. CLOSE EXISTING VALVES V168-011, V168-009, AND THE 8" SERVICE VALVE FOR AIRFLOAT (2230 N. BRUSH COLLEGE ROAD).
   A. INSTALL PERMANENT CAP ON EXISTING 16" WATER MAIN TO THE SOUTH OF FUTURE CONNECTION POINT.
   B. INSTALL TEMPORARY CAP ON EXISTING 16" WATER MAIN TO THE NORTH OF FUTURE CONNECTION POINT.
   C. OPEN EXISTING VALVES V168-011 AND THE 8" SERVICE VALVE FOR AIRFLOAT (2230 N. BRUSH COLLEGE ROAD) TO PLACE THE 16" WATER MAIN AND AIRFLOAT BACK INTO SERVICE.
   D. INSTALL 24"X16" TEE, VALVE, PIPING, AND APPURTENANCES AT STA. 32+07, INCLUDING A TEMPORARY CAP.
7. INSTALL CONNECTION NO. 1 (PRESSURE CONNECTION) ON THE EXISTING 24" WATER MAIN AT STA. 32+37.
8. FLUSH, PRESSURE TEST, DISINFECT, AND PLACE THE PHASE 1 WATER MAIN INTO SERVICE.
9. CLOSE VALVES V168-011 AND THE EXISTING 8" SERVICE VALVE FOR AIRFLOAT (2230 N. BRUSH COLLEGE ROAD).
   A. REMOVE TEMPORARY CAPS AND INSTALL CONNECTION NO. 2 (CUT-IN) AT STA. 32+07, RT 15.5 FT.
   B. OPEN VALVE V168-011, 8" SERVICE VALVE FOR AIRFLOAT (2230 N. BRUSH COLLEGE ROAD), AND THE PROPOSED 16" VALVE AT STA. 32+07, RT 5.3 FT.
10. CLOSE VALVE V168-008.
    A. REMOVE TEMPORARY CAPS AND INSTALL CONNECTION NO. 3 (CUT-IN) AT STA. 31+61, RT. 8.6 FT.
    B. OPEN VALVE V168-008 AND THE PROPOSED 12" VALVE AT STA. STA. 31+61, RT 3.6 FT.
11. CLOSE VALVE V168-019.
    A. INSTALL PERMANENT CAP ON EXISTING 8" WATER MAIN.
    B. INSTALL CONNECTION NO. 4 (CUT-IN) AT STA. 28+19, RT 3.6 FT.
    C. OPEN PROPOSED 8" VALVE AT STA. 28+15, RT 3.6 FT TO PROVIDE SERVICE TO REFRESHMENT SERVICES (2112 N. BRUSH COLLEGE ROAD).

PHASE 2

1. CLOSE VALVES V163-012, V061-002, V061-001 AND V026-028.
2. INSTALL TWO (2) PERMANENT CAPS ON THE EXISTING 16" WATER MAIN JUST NORTH OF THE EXISTING 16"X16" CROSS AT FARIES AND BRUSH COLLEGE ROAD INTERSECTION.
3. OPEN VALVES V061-001, V061-002 AND V026-028, WHICH WILL PLACE THE EXISTING 16" FARIES PKWY WATER MAIN BACK INTO SERVICE.
4. THE FOLLOWING WORK WILL BE PERFORMED BY THE CITY OF DECATUR: INSTALL (2) PERMANENT CAPS ON 6" WATER MAIN ALONG GARFIELD AVE. FROM BRUSH COLLEGE RD. TO EXISTING FIRE HYDRANT APPROX. 550 LF WEST OF BRUSH COLLEGE RD.
5. OPEN VALVE V163-012.
6. ABANDON THE FOLLOWING WATER MAINS:
   A. EXISTING 16" WATER MAIN ALONG BRUSH COLLEGE ROAD, BETWEEN E. FARIES PKWY AND E. HARRISON AVE.
   B. EXISTING 6" WATER MAIN ALONG GARFIELD AVE. FROM BRUSH COLLEGE RD. TO EXISTING FIRE HYDRANT APPROX. 550 LF LF WEST OF BRUSH COLLEGE RD.

0 25 50
SCALE IN FEET

PHASE 3A

1. INSTALL 48" CASING PIPE BY JACK AND BORE ALONG BRUSH COLLEGE ROAD UNDER NSRR TRACKS BETWEEN STA. 23+22 AND STA. 24+00.
2. INSTALL 30" CASING PIPE BY JACK AND BORE ALONG FARIES PKWY UNDER IC RR TRACKS BETWEEN STA. 60+76 AND STA. 61+26.
3. GENERALLY, INSTALL PIPE AND FITTINGS FROM NORTH TO SOUTH FROM STA. 21+72 TO STA. 26+65 AS SHOWN ON THE PLANS.
4. SET 30"X24" REDUCER AT STA. 23+09.
5. SET 24"X16" TEE AT STA. 23+18. LAY 16" PIPE AND FITTINGS TO THE WEST ALONG FARIES PKWY. INSTALL 16" VALVE AT STA. 61+66 AND TEMPORARILY CAP.
6. SET 24"X16" TEE AT STA. 23+12. LAY 16" PIPE AND FITTINGS TO THE EAST ALONG FARIES PKWY. INSTALL 16" VALVE AT STA. 50+10 AND TEMPORARILY CAP.
7. SET 24"X6" TEE AND FIRE HYDRANT AT STA. 21+79.
8. INSTALL 24" VALVE AT STA. 21+72.
9. OPEN PROPOSED 30" VALVE AT STA. 26+65.
10. FLUSH, PRESSURE TEST, DISINFECT, AND PLACE THE PHASE 3A WATER MAIN INTO SERVICE.
11. CLOSE VALVES V061-001 AND UNKNOWN VALVE EAST ON FARIES (NOT SHOWN).
    A. INSTALL PERMANENT CAP ON EXISTING 16" WATER MAIN AT STA. 50+15, RT 2.4 FT.
    B. INSTALL CONNECTION NO. 5 (CUT-IN) AT STA. 50+19.
    C. OPEN THE PROPOSED 16" VALVE JUST EAST OF THE PROPOSED 24" WATER MAIN AND THE UNKNOWN VALVE EAST ON FARIES (NOT SHOWN). THIS WILL PLACE THE EASTERN SEGMENT OF THE 16" FARIES PKWY WATER MAIN BACK INTO SERVICE.
    D. VALVE V061-001 WILL REMAIN CLOSED.
12. INSTALL LINE STOP NO. 1 IN FARIES PKWY, JUST WEST OF BRUSH COLLEGE RD.
13. CLOSE VALVE V061-002.
    A. INSTALL PERMANENT CAP ON EXISTING 16" WATER MAIN AT STA. 61+78, LT 3.1 FT.
    B. INSTALL CONNECTION NO. 6 (CUT-IN) AT STA. 61+91.
    C. OPEN THE PROPOSED 16" VALVE AT STA. 61+66 AND REMOVE LINE STOP NO. 1. THIS WILL PLACE THE 16" FARIES PKWY WATER MAIN SYSTEM BACK INTO SERVICE.
    D. VALVE V061-002 WILL REMAIN CLOSED.
14. ABANDON 16" WATER MAIN ALONG FARIES PKWY AS SHOWN ON THE PLANS.

PHASE 3B

1. CLOSE VALVE V161-003, JUST SOUTH OF FARIES PKWY IN BRUSH COLLEGE RD.
2. INSTALL ALL PERMANENT CAPS AS NEEDED TO ABANDON THE EXISTING 12" WATER MAIN ALONG BRUSH COLLEGE RD., SOUTH OF FARIES PKWY. ABANDON EXISTING 8" WATER MAIN STUBS.

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PLOT SCALE = 100.0001 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PHASING PLAN NORTH

SCALE: 1"=25' | SHEET 25 OF 28 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	491

CONTRACT NO. XXXX(XXX)
ILLINOIS FED. AID PROJECT

MODEL: Default
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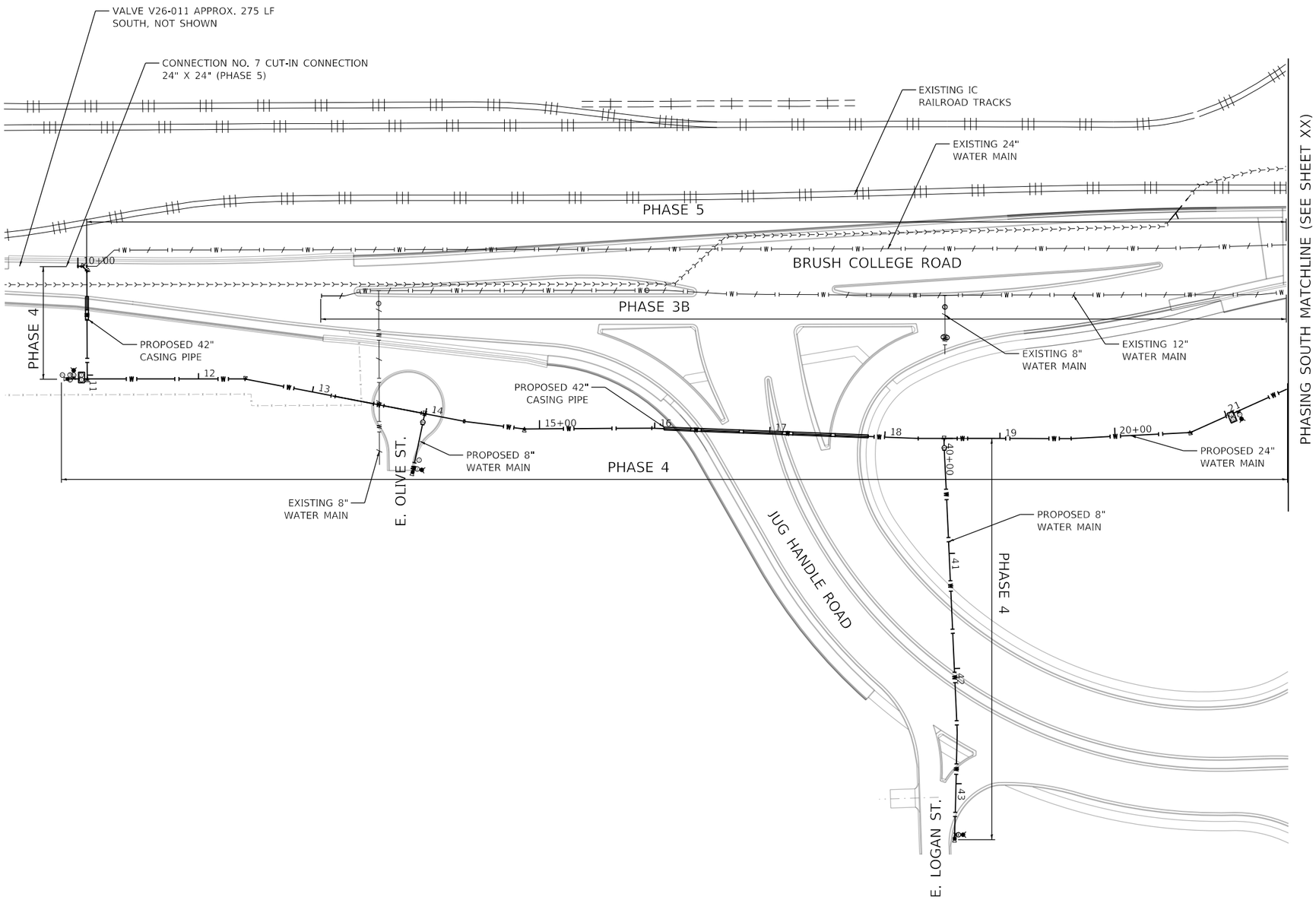

PHASE 4

1. GENERALLY, INSTALL PIPE AND FITTINGS FROM NORTH TO SOUTH FROM STA. 21+72 TO STA. 11+03 AS SHOWN ON THE PLANS.
2. SET 24"X8" TEE AT STA. 18+61 (E. LOGAN ST. EXTENDED).
   A. INSTALL 8" VALVE, PIPING AND HYDRANT TO THE EAST FROM STA. 40+00 TO STA. 43+48.
   B. SET 8"X6" TEE AND FIRE HYDRANT AT STA. 43+44.
   C. INSTALL 8" PLUG IN EAST RUN OF TEE.
3. INSTALL 42" CASING PIPE BY OPEN CUT UNDER THE PROPOSED JUG HANDLE ROAD FROM STA. 16+18 TO STA. 19+96.
4. SET 24"X8" TEE AT STA. 14+09 (E. OLIVE ST.)
   A. INSTALL 8" PIPING AND HYDRANT TO THE EAST.
   B. SET 8"X6" TEE AND FIRE HYDRANT AT STA. 14+08, RT 40.5 FT.
   C. INSTALL 8" PLUG IN EAST RUN OF TEE.
5. SET 24"X24" TEE AT STA. 11+03 TO MAKE SOUTH CONNECTION IN BRUSH COLLEGE ROAD.
6. INSTALL 42" CASING PIPE BY OPEN CUT UNDER PROPOSED RETAINING WALL.
7. LAY 24" PIPE AND FITTINGS TO THE WEST AND TEMPORARILY CAP.
8. INSTALL 24" VALVE AT STA. 11+03, RT 5.1 FT.
9. SET 24"X8" TEE AT STA. 11+03, RT 11.8 FT AND INSTALL 8" VALVE AND FIRE HYDRANT.
10. INSTALL PERMANENT CAP AT STA. 11+03, RT 16.9 FT.
11. FLUSH, PRESSURE TEST, DISINFECT, AND PLACE THE PHASE 4 WATER MAIN INTO SERVICE.

PHASE 5

1. CLOSE VALVES V163-004 AND V163-005
   A. INSTALL TWO (2) PERMANENT CAPS ON EXISTING 8" WATER MAIN IN W. HARRISON AVE. (WEST OF BRUSH COLLEGE RD.), JUST EAST OF EXISTING FIRE HYDRANT.
   B. ABANDON EXISTING 8" WATER MAIN ALONG WEST HARRISON AVE.
   C. OPEN VALVE V163-004.
   D. THIS 8" WATER MAIN ABANDONMENT WORK CAN BE PERFORMED AT ANY POINT DURING THE CONSTRUCTION SEQUENCING.
2. INSTALL LINE STOP NO. 2 IN BRUSH COLLEGE RD., JUST NORTH OF E. HARRISON AVE. (SEE SHEET XX FOR LOCATION).
   A. CLOSE VALVE V026-011.
   B. INSTALL CONNECTION NO. 7 (CUT-IN)
   C. INSTALL PERMANENT CAP ON EXISTING 24" WATER MAIN JUST NORTH OF THE CONNECTION NO. 7.
   D. ABANDON EXISTING 24" WATER MAIN ALONG BRUSH COLLEGE RD.
3. REMOVE LINE STOP AND PLACE WATER DISTRIBUTION SYSTEM BACK INTO COMPLETE SERVICE.

0 25 50
SCALE IN FEET

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AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526
PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 100.0001 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

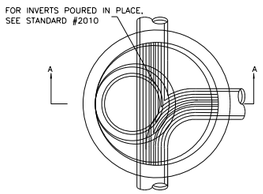
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
WATER MAIN PHASING PLAN SOUTH

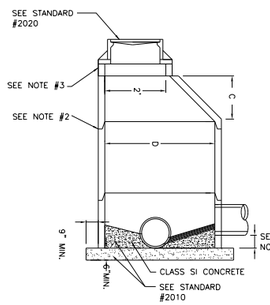
SCALE: 1"=25' | SHEET 26 OF 28 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	492
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

MANHOLE TYPE A



PLAN



SECTION A - A

SANITARY SEWER NOTES:

1. FOR VERTICAL SEPARATIONS GREATER THAN 2' USE DROP STACK, STANDARD 2030.

STORM SEWER NOTES:

1. HALF TRAP REQUIRED IF OUTLET IS TO A COMBINATION SEWER SYSTEM.

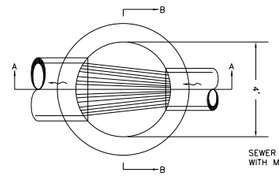
GENERAL NOTES:

1. PRECAST MANHOLE SECTIONS ARE REQUIRED. POURED IN PLACE MANHOLES MUST BE APPROVED IN WRITING BY THE CITY ENGINEER.
2. ALL MASONRY JOINTS IN THE STRUCTURE SHALL BE SEALED USING PERMAGUM ROPE MASTIC OR APPROVED EQUAL. ADJUSTING RINGS AND THE CASTING SHALL BE SEALED USING 2 LOOPS OF 3/4" PERMAGUM ROPE MASTIC.
3. FINAL UPWARD ADJUSTMENT TO GRADE SHALL BE MADE USING PRECAST CONCRETE ADJUSTING RINGS. IF THE REQUIRED ADJUSTMENT IS 16" OR GREATER, ADDITIONAL MANHOLE SECTIONS SHALL BE INSTALLED BELOW THE CONE. DOWNWARD ADJUSTMENT SHALL BE ACCOMPLISHED BY REMOVING EXISTING MASONRY UNITS AND ADJUSTING TO FINAL GRADE AS OUTLINED ABOVE.
4. ENTIRE EXCAVATION TO BE BACKFILLED WITH TRENCH BACKFILL MATERIAL AS SPECIFIED IN STANDARD #2050. BACKFILL AROUND PIPE SHALL BE IN ACCORDANCE WITH STANDARD #2050.
5. FOR PIPES LESS THAN 18", 4' DIAMETER MANHOLE SHALL BE USED. FOR PIPES 24"-42", 5' DIAMETER MANHOLE SHALL BE USED.

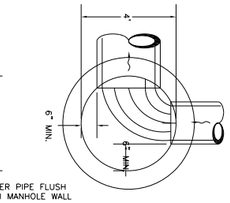
ALTERNATE MATERIALS FOR WALLS	D	C*	T (MIN.)
PRECAST REINFORCED CONCRETE RISERS	4'-0"	2'-6"	4"
	5'-0"	3'-9"	5"
MONOLITHIC CONCRETE	4'-0"	2'-6"	6"
	5'-0"	3'-9"	6"

*WHEN USING PRECAST REINFORCED CONCRETE RISERS, DIMENSION "C" MAY VARY FROM THAT GIVEN TO PLUS 6 INCHES.

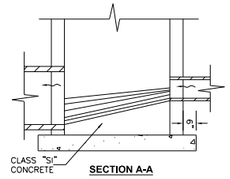
MANHOLE DETAILS



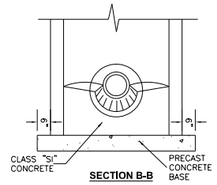
SECTION PLAN
CHANGE IN SEWER SIZE



SECTION PLAN
90° BEND IN SEWER



SECTION A-A

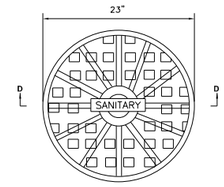


SECTION B-B

NOTES:

1. WHEN USING COMPOSITE OR PVC PIPE, MANHOLE BASES SHALL BE PRECAST WITH CONNECTION OPENINGS SPECIFICALLY DESIGNED TO ACCOMMODATE THE PIPE CONNECTION STUB AND GASKET. ALL OTHER MANHOLES MAY HAVE POURED IN PLACE, PRECAST, OR PRECAST BOTTOMS WITH PRE FORMED INVERTS. POURED BASES SHALL USE "SI" CONCRETE AND HAVE A DIAMETER EXCEEDING THE MANHOLE OUTSIDE DIAMETER BY A MINIMUM OF 18". ON POURED IN PLACE OR PRECAST BOTTOMS WITHOUT INVERTS, THE INVERT SHALL BE FORMED BY LAYING THE SEWER THROUGH THE MANHOLE. THE BOTTOM SHALL THEN BE SHAPED AS SHOWN IN THE STANDARD AND THE UPPER HALF OF THE SEWER CAREFULLY SAW CUT AND REMOVED.
2. AT MANHOLES WHERE THE PIPE SIZE CHANGES, OR WHERE THERE ARE CHANGES IN DIRECTION, THE INVERT OF THE MANHOLE SHALL BE SHAPED WITH CONCRETE FILL TO ACCOMPLISH THE CHANGE IN ELEVATION, DIAMETER, AND OR DIRECTION BY EASY CURVES. THE CROWN OF THE SMALLER PIPE WILL MATCH THE CROWN OF THE LARGER OR THE INVERT OF THE SMALLER PIPE WILL MATCH THE SPRING LINE OF THE LARGER, WHICHEVER DROP IS LESS.
3. THE METHOD OF SEALING CONNECTION OF SEWER PIPE TO MANHOLE SHALL BE APPROVED BY THE CITY ENGINEER AND SHALL BE SUCH AS TO PROVIDE A WATERTIGHT JUNCTION ELIMINATING ALL INFILTRATION AROUND THE PIPE. MORTAR SHALL NOT BE USED.

FRAME AND LIDS TYPE 1



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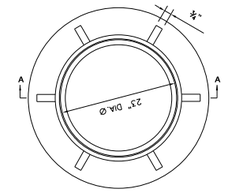

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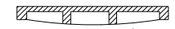
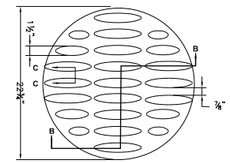


CAST CLOSED LID
SECTION D-D



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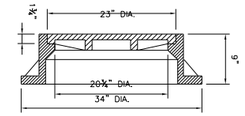
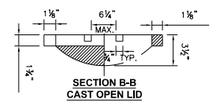


SECTION A-A
CAST FRAME

SECTION C-C

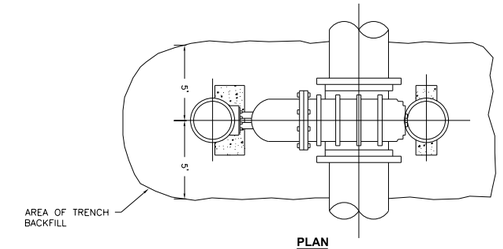


SECTION B-B
CAST OPEN LID

NOTES:

1. THE OPEN AND CLOSED LIDS MAY BE MADE OF EITHER GRAY IRON OR DUCTILE IRON.
2. CLOSED LID SHALL HAVE CONCEALED PICKHOLE.
3. CLOSED LID SHALL BE GASKETED IF INSTALLATION IS FOR A SEPARATE SANITARY SEWER.
4. THE LID SHALL BE CAST "STORM" IF INSTALLATION IS FOR A SEPARATE STORM SEWER.
5. THE LID SHALL BE CAST "SANITARY" IF INSTALLATION IS FOR A SEPARATE SANITARY SEWER OR COMBINATION SEWERS.
6. THE LID SHALL BE CAST "COMBINED" IF INSTALLATION IS FOR A COMBINED SEWER.

WATERMAIN VALVES 16" & LARGER



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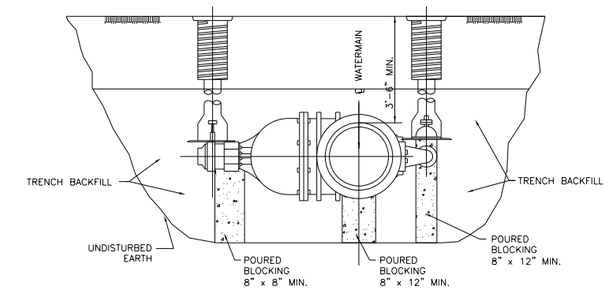
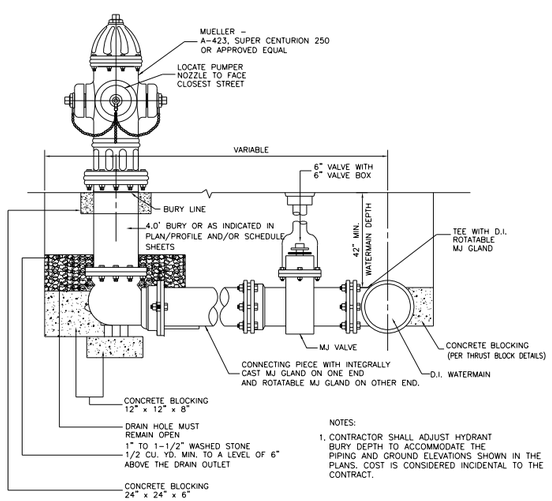


ELEVATION

NOTES:

1. FOR SIZES 16" TO 30" GATE VALVE SHALL BE MUELLER A-2361 DUCTILE IRON RESILIENT WEDGE OPEN RIGHT OR APPROVED EQUAL.
2. VALVES SHALL BE COMPLETE WITH MUELLER BEVEL GEARING VALVE OPERATOR OR APPROVED EQUAL.
3. BY-PASS VALVE REQUIRED FOR VALVES 18" AND LARGER.

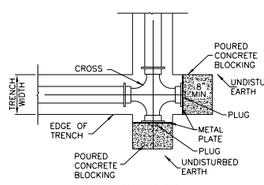
TYPICAL FIRE HYDRANT SETTING



NOTES:

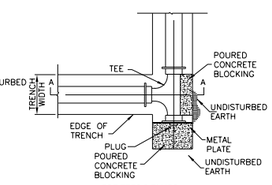
1. CONTRACTOR SHALL ADJUST HYDRANT BURY DEPTH TO ACCOMMODATE THE PIPING AND GROUND ELEVATIONS SHOWN IN THE PLANS. COST IS CONSIDERED INCIDENTAL TO THE CONTRACT.

CONCRETE BLOCKING WATERMAIN - 6" TO 10"



FOR CROSSES & PLUGS

PLAN



FOR TEES & PLUGS

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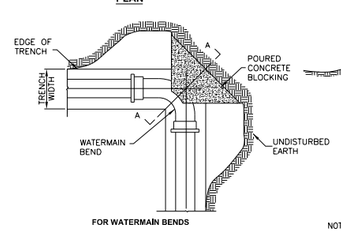
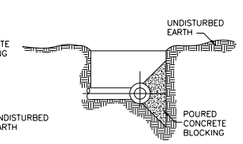


FOR WATERMAIN BENDS

PLAN

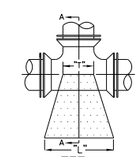


SECTION A-A

NOTES:

1. CONCRETE BLOCKING SHALL BE SIMILAR FOR ALL BENDS.
2. PRECAST CONCRETE BLOCKING MAY BE USED WITH APPROVAL OF ENGINEER.
3. WRAP CONNECTION ENDS IN PLASTIC SHEETING, NOT LESS THAN 4mil THICKNESS, PRIOR TO POURING CONCRETE BLOCKING.

CONCRETE BLOCKING WATERMAIN - 12" TO 42"



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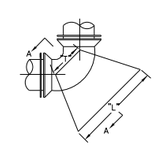
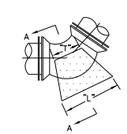
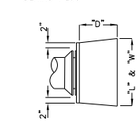


90° BENDS

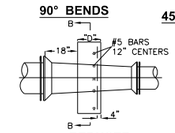


45° & 22½° BENDS

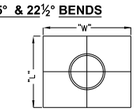
PLACE 16 GAUGE SHEET METAL PLATE BEHIND PLUG



PLUG



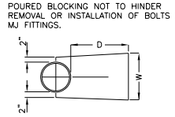
REDUCER



SECTION B-B

NOTES:

1. DEPTH "D" MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE. BLOCK MUST BE POURED AGAINST UNDISTURBED EARTH.
2. POURED BLOCKING NOT TO HINDER REMOVAL OR INSTALLATION OF BOLTS ON MJ FITTINGS.



SECTION A-A

BLOCKING DIMENSION

	SIZE	12"	16"	20"	24"	30"	36"	42"
TEE	D	6"	8"	12"	20"	30"	36"	44"
	L	24"	32"	50"	62"	84"	96"	144"
	W	24"	32"	40"	48"	60"	80"	120"
	T	18"	22"	27"	32"	34"	36"	36"
90° BENDS	D	10"	15"					
	L	34"	54"					
	W	38"	54"					
	T	14"	18"					
45° BENDS	D	8"	8"	12"	18"	20"	24"	
	L	26"	36"	48"	60"	63"	66"	
	W	20"	36"	36"	42"	48"	60"	
	T	8"	22"	24"	32"	32"	33"	
22½° BENDS	D				10"			
	L				42"			
	W				36"			
	T				24"			
PLUG	D	6"	10"		18"	27"	30"	
	L	30"	36"		52"	60"	96"	
	W	30"	36"		52"	60"	96"	
REDUCER	SIZE	42"x36"	36"x30"	36"x24"	30"x24"	30"x16"		
	D	12"	12"	12"	12"	12"		
	L	72"	48"	60"	42"	48"		
	W	72"	48"	60"	42"	48"		

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PHONE: (217) 775-6065

USER NAME = brooke.henry	DESIGNED - BNH	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - PSA	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

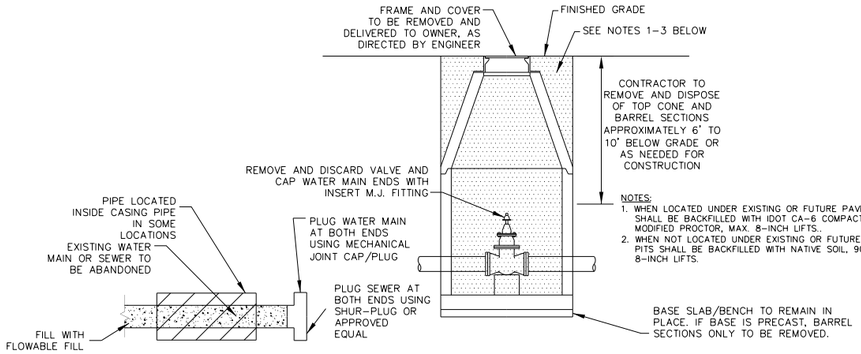
WATER MAIN RELOCATION PLAN AND SANITARY SEWER ADJUSTMENTS
DETAIL SHEET 1

SCALE: NTS | SHEET 27 OF 28 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	493

CONTRACT NO. XXXX(XXX)

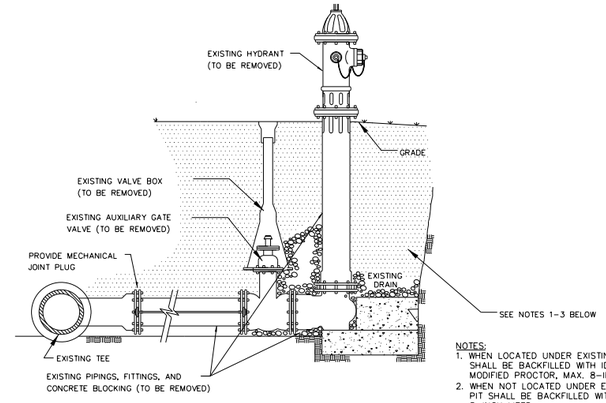
ILLINOIS | FED. AID PROJECT



NOTES:
1. WHEN LOCATED UNDER EXISTING OR FUTURE PAVEMENT,MANHOLE/VAULT PIT SHALL BE BACKFILLED WITH IDOT CA-6 COMPACTED AGGREGATE, 95% MODIFIED PROCTOR, MAX. 8-INCH LIFTS..
2. WHEN NOT LOCATED UNDER EXISTING OR FUTURE PAVEMENT, MANHOLE/VAULT PITS SHALL BE BACKFILLED WITH NATIVE SOIL, 90% MODIFIED PROCTOR, MAX. 8-INCH LIFTS.

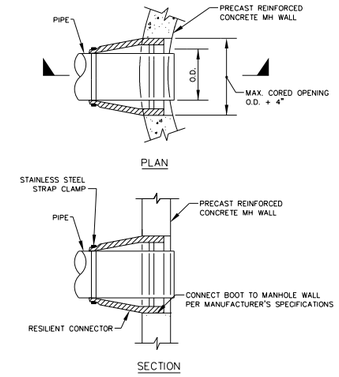
VALVE VAULT, SANITARY MANHOLE, WATER MAIN, & SANITARY SEWER REMOVAL AND ABANDONMENT DETAIL

NO SCALE



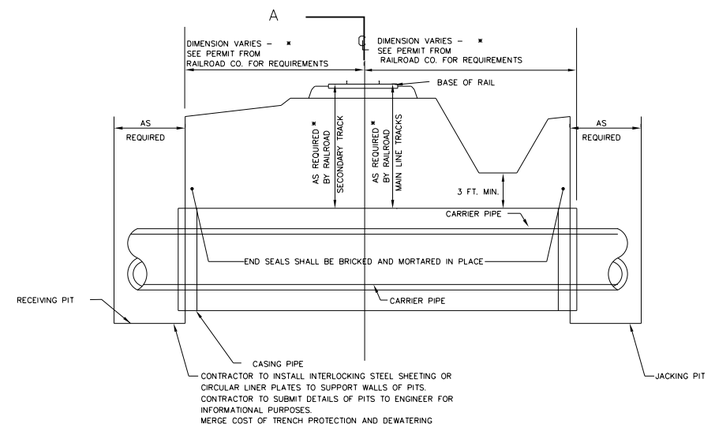
NOTES:
1. WHEN LOCATED UNDER EXISTING OR FUTURE PAVEMENT, FIRE HYDRANT PIT SHALL BE BACKFILLED WITH IDOT CA-6 COMPACTED AGGREGATE, 95% MODIFIED PROCTOR, MAX. 8-INCH LIFTS..
2. WHEN NOT LOCATED UNDER EXISTING OR FUTURE PAVEMENT, MANHOLE/VAULT PIT SHALL BE BACKFILLED WITH NATIVE SOIL, 90% MODIFIED PROCTOR, MAX. 8-INCH LIFTS.

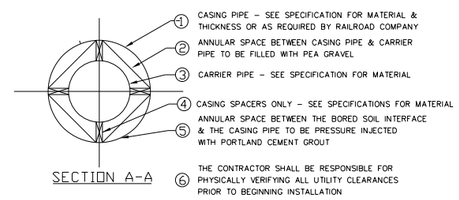
FIRE HYDRANT ABANDONMENT



WATERTIGHT RESILIENT CONNECTOR FOR CONNECTING PROPOSED PIPES TO EXISTING MANHOLES AND EXISTING PIPES TO PROPOSED MANHOLES

NO SCALE





DETAIL OF PIPE INSTALLED IN AUGERED OR JACKED CASING PIPE UNDER RAILROAD

STRUCTURAL NOTES

FOUNDATIONS

1. ALL EXCAVATION FOR STRUCTURES SHALL BE KEPT DEWATERED DURING CONSTRUCTION OPERATIONS UNTIL BACKFILL IS IN PLACE. PROVISIONS SHALL BE MADE TO PREVENT THE BOTTOM OF ALL EXCAVATIONS FROM FREEZING OR FLOODING AT ALL TIMES.
2. ALL CONCRETE SLABS SUPPORTED ON SOIL SHALL BE PROTECTED AGAINST FROST ACTION AND DANGER FROM HEAVING BY INSULATING THE SLAB WITH A LAYER OF INSULATING MATERIAL THICK ENOUGH TO PREVENT FROST PENETRATION.
3. BACKFILL MATERIAL, PLACING AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS. PLACE BACKFILL EQUALLY ON BOTH SIDES OF FOUNDATION WALLS AND STRUCTURES.
4. ALL DIMENSIONS AND ELEVATIONS SHOWN TO EXISTING CONSTRUCTION AND ALL EXISTING CONDITIONS SHALL BE ASSUMED TO BE (±) AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIAL. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING THE WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL TEMPORARY CONSTRUCTION REQUIRED FOR, BUT NOT LIMITED TO, SHEETING, SHORING, UNDERPINNING, NEEDLING AND BRACING, FOR THE PROTECTION OF THE EXISTING STRUCTURES, UTILITIES AND ROADWAYS TO REMAIN WHETHER OR NOT SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE, SETTLEMENT OR MOVEMENT OF EXISTING AND NEW CONSTRUCTION INSIDE AND OUTSIDE OF THE PROJECT LIMITS DURING EXCAVATION AND CONSTRUCTION. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS, CAUSED BY CONSTRUCTION TECHNIQUES OR MOVEMENTS OF THE SOIL OR STRUCTURE RETENTION SYSTEM, IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. (*) - DIMENSIONS NOTED THUS INDICATE DIMENSIONS TO BE DETERMINED BY EQUIPMENT MANUFACTURER OR DIMENSIONS TO BE VERIFIED IN FIELD BASED ON EXISTING CONSTRUCTION.

PAVEMENT MARKING SCHEDULE

SHEET	ROAD	STATION	STATION	MOD URETH PM LTR-SYM SQ FT	MOD URETH PM LINE 4 FOOT	MOD URETH PM LINE 6 FOOT	MOD URETH PM LINE 8 FOOT	MOD URETH PM LINE 12 FOOT	MOD URETH PM LINE 24 FOOT	RAISED REFL PAVT MKR EACH	RAISED REF PVT MKR BR EACH	PRISMATIC CURB REFL EACH	COMMENTS
1	BRUSH	46+59.44	52+00.00		1462	38		41		34			
2		52+00.00	57+75.00	110	20	813	206	37	72	11		31	
3		57+75.00	62+50.00	73	1393	643		98		18	30	13	
4		62+50.00	68+00.00		1198	276		101		46	4	17	
5		68+00.00	73+50.00	63	918	269		184		28		7	
6		73+50.00	76+25.97	32	485	97				16			
7	FARIES	205+18.73	208+00.00			59				3		12	
8		208+00.00	213+25.00	282		284	4		144	11		26	
9		213+25.00	219+00.00	146		1472	168	51	88	12		35	
10		219+00.00	224+75.00	146		688				12		48	
11		224+75.00	230+50.00	120	507	328		28		21		29	
12		230+50.00	235+41.47	37	1859	177		233		52			
13	JUG	301+75.00	306+50.00	401		1283	377	950	98	13		163	INCLUDES BRUSH COLLEGE RD & FARIES PKWY INTERSECTIONS
14	LOGAN	601+50.00	607+50.00		1654	146		37	28			16	INCLUDES CONNECTOR RD & N JAMES ST INTERSECTIONS
15	JAMES	404+27.90	407+75.00	37	1228	143		342	70				INCLUDES FARIES PKWY INTERSECTION
16	HARRISON W	800+00.00	804+50.00		782								
17		804+50.00	808+00.00	62	703				73				INCLUDES BRUSH COLLEGE RD INTERSECTION & BUSINESS DRIVES
18	HARRISON E	701+00.00	705+00.00		437				19				INCLUDES BRUSH COLLEGE RD INTERSECTION
19		705+00.00	708+41.73		342								
19	CEMETERY	900+00.00	904+52.12						25				
TOTAL				1509	12988	6716	755	2162	617	277	34	397	

SIGNING SCHEDULE

SHEET	ROAD	STATION	STATION	STA	LOC	TYPE	DESCRIPTION	W (INCH)	H (INCH)	SIGN PANEL T1 SQ FT	SIGN PANEL T2 SQ FT	TELES STL SIN SUPPORT FOOT	COMMENTS
1	BRUSH	46+59.44	52+00.00	51+95.0	RT	D3-2	ADVANCE STREET NAMES (2 LINES)	60	30	-	12.5	31.0	FARIES PKWY NEXT RIGHT - TWO POSTS
2		52+00.00	57+75.00	54+33.6	RT	D1-1d	CIRCULAR INTERSECTION DESTINATION (1 LINE)	78	18	-	9.8	32.0	FARIES PKWY (RIGHT ARROW) - TWO POSTS
						R3-24	ALL TURNS (RIGHT ARROW)	72	18	9.0	-		
				54+94.5	LT	R4-7	KEEP RIGHT	24	30	5.0	-	16.0	
				56+24.2	LT	R3-8	MODIFIED	30	30	6.3	-	16.0	DUAL LEFT TURN ONLY (BACK TO BACK)
						R4-7	KEEP RIGHT	24	30	5.0	-		
3		57+75.00	62+50.00	58+03.2	LT	R3-8	MODIFIED	30	30	6.3	-	34.0	DUAL LEFT TURN ONLY - TWO POSTS
						D1-1d	CIRCULAR INTERSECTION DESTINATION (1 LINE)	78	18	-	9.8		FARIES PKWY (LEFT ARROW)
				59+00.0	RT	W4-2	LANE ENDS	36	36	9.0	-	18.0	
4		62+50.00	68+00.00										
5		68+00.00	73+50.00	68+90.4	LT	R4-7	KEEP RIGHT	24	30	5.0	-	16.0	
				69+39.0	LT	W1-7	TWO-DIRECTION	48	24	8.0	-	30.0	TWO POSTS
				71+68.9	RT	M1-6	COUNTY ROUTE SIGN	24	24	4.0	-	18.0	MACON CO 1
						R5-I101	BEGIN CLASS II TRUCK ROUTE	24	30	5.0	-		
				71+90.0	LT	R2-1	SPEED LIMIT	30	36	RELOC	-	16.0	RELOCATE - SPEED LIMIT, 35 MPH
				73+00.0	LT	D3-1	STREET NAME	60	9	3.8	-	15.0	N BRUSH COLLEGE RD
						D3-1	STREET NAME	48	9	3.0	-		E HARRISON AVE
				73+34.4	LT	R8-10a	STOP HERE WHEN FLASHING	24	30	5.0	-	16.0	
6		73+50.00	76+25.97	74+39.5	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.0	-	16.0	
SUB-TOTAL										83.3	32.0	274.0	

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Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS LICENSE NO.
Illinois Professional Design Firm 184.004773
Professional Engineering Group 20-5080586

USER NAME = rjo	DESIGNED - LDC	REVISED -	
	DRAWN - RJO	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD & FARIES PARKWAY
PAVEMENT MARKING & SIGNING SCHEDULES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	495
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

SIGNING SCHEDULE

SHEET	ROAD	STATION	STATION	STA	LOC	TYPE	DESCRIPTION	W (INCH)	H (INCH)	SIGN PANEL T1 SQ FT	SIGN PANEL T2 SQ FT	TELES STL SIN SUPPORT FOOT	COMMENTS
7		205+18.73	208+00.00	-	-	-	-	-	-	-	-		
8		208+00.00	213+25.00	208+51.2	RT	W10-1	GRADE CROSSING ADVANCE WARNING	36 DIA.	-	7.1	-	16.0	RAILROAD
				209+56.0	RT	R8-10a	STOP HERE WHEN FLASHING	24	30	5.0	-	16.0	
				210+05.0	LT	R8-10a	STOP HERE WHEN FLASHING	24	30	5.0	-	16.0	
				210+75.8	RT	D3-2	ADVANCE STREET NAMES (2 LINES)	78	30	-	16.3	31.0	BRUSH COLLEGE RD NEXT RIGHT - TWO POSTS
				211+52.9	LT	W10-1	GRADE CROSSING ADVANCE WARNING	36 DIA.	-	7.1	-	16.0	RAILROAD
9	FARIES	213+25.00	219+00.00	213+95.6	RT	D1-1c	CIRCULAR INTERSECTION DESTINATION (1 LINE)	96	18	-	12.0	32.0	BRUSH COLLEGE RD (RIGHT ARROW) - TWO POSTS
						R3-24	ALL TURNS (RIGHT ARROW)	72	18	9.0	-		
				214+23.3	RT	R4-7	KEEP RIGHT	24	30	5.0	-	16.0	
				215+59.3	RT	R3-8	MODIFIED	30	30	6.3	-	16.0	DUAL LEFT TURN ONLY (BACK TO BACK)
						R4-7	KEEP RIGHT	24	30	5.0			
				218+42.4	RT	W4-2	LANE ENDS	36	36	9.0	-	18.0	
10		219+00.00	224+75.00	219+74.6	LT	R3-8	MODIFIED	60	30	-	12.5	34.0	DUAL LEFT TURN ONLY & DUAL THRU LANE - TWO POSTS
						D1-1c	CIRCULAR INTERSECTION DESTINATION (1 LINE)	96	18	-	12.0		BRUSH COLLEGE RD (LEFT ARROW)
				222+50.0	LT	R2-1	SPEED LIMIT, 35 MPH	30	36	7.5	-	16.0	
				223+00.0	LT	R3-5L	LEFT TURN ONLY	30	36	7.5	-	16.0	BACK TO BACK
						R4-7	KEEP RIGHT	24	30	5.0			
				224+26.0	LT	R3-5L	LEFT TURN ONLY	30	36	7.5	-	16.0	BACK TO BACK
						R4-7	KEEP RIGHT	24	30	5.0			
11		224+75.00	230+50.00	226+40.0	LT	W9-1	LEFT LANE ENDS	36	36	9.0	-	18.0	
12		230+50.00	235+41.47	234+00.0	LT	R8-3	NO PARKING	30	30	6.3	-	16.0	
13	JUG	301+75.00	306+50.00	300+84.0	LT	R4-7	KEEP RIGHT	24	30	5.0	-	16.0	
				302+00.0	RT	D3-2	ADVANCE STREET NAMES (2 LINES)	48	30	-	10.0	31.0	LOGAN ST NEXT RIGHT - TWO POSTS
				303+00.0	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.0	-	16.0	
				303+00.0	CENTER	R3-8	MODIFIED	30	30	6.3	-	16.0	DUAL LEFT TURN ONLY
				304+25.0	RT	D1-1c	CIRCULAR INTERSECTION DESTINATION (1 LINE)	60	18	7.5	-	29.0	LOGAN ST (RIGHT ARROW) - TWO POSTS
				304+56.7	CENTER	R6-1R	ONE WAY	54	18	6.8	-	29.0	TWO POSTS
				305+24.2	CENTER	R3-8	MODIFIED	30	30	6.3	-	16.0	DUAL LEFT TURN ONLY
				305+24.2	RT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.0	-	16.0	
				307+26.5	RT	R3-8	MODIFIED	30	30	6.3	-	16.0	DUAL LEFT TURN ONLY (BACK TO BACK)
						R4-7	KEEP RIGHT	24	30	5.0			
14	LOGAN	601+50.00	607+50.00	600+48.3	LT	R3-2	NO LEFT TURN	36	36	9.0	-	16.0	
				600+87.6	LT	R1-1	STOP SIGN	36	36	7.0	-	19.0	
						R3-5R	RIGHT TURN ONLY	30	36	7.5	-		
				601+50.0	LT	W11-2	PEDESTRIAN	36	36	9.0	-	19.0	
						W16-9P	AHEAD	24	12	2.0	-		
				608+80.4	RT	R1-1	STOP SIGN	36	36	7.0	-	17.0	
						R1-3P	ALL WAY	18	6	0.8	-		
15	JAMES	607+50.00	407+75.00	404+41.5	RT	R1-1	STOP SIGN	36	36	7.0	-	17.0	
						R1-3P	ALL WAY	18	6	0.8	-		
				405+21.2	LT	D3-1	STREET NAME	36	9	2.3	-	19.0	N JAMES ST
						D3-1	STREET NAME	36	9	2.3	-		E LOGAN ST
						R1-1	STOP SIGN	36	36	7.0	-		
						R1-3P	ALL WAY	18	6	0.8	-		
				408+66.2	RT	D-3	STREET NAME	36	9	2.3	-	19.0	N JAMES ST
						D-3	STREET NAME	42	9	2.6	-		E FARIES PKWY
						R1-1	STOP SIGN	36	36	7.0	-		
						W4-4P	CROSS TRAFFIC DOES NOT STOP	24	12	2.0	-		
16	HARRISON W	800+00.00	804+50.00	-	-	-	-	-	-	-	-		
17		804+50.00	808+00.00	809+52.7	RT	R1-1	STOP SIGN	36	36	7.0	-	16.0	
				809+66.2	RT	R1-1	STOP SIGN	36	36	7.0	-	16.0	
18	HARRISON E	701+00.00	705+00.00	701+66.9	LT	R1-1	STOP SIGN	36	36	7.0	-	17.0	
						W4-4P	CROSS TRAFFIC DOES NOT STOP	24	12	2.0	-		
						D3-1	STREET NAME	60	9	3.8	-		N BRUSH COLLEGE RD
						D3-1	STREET NAME	48	9	3.0	-		E HARRISON AVE
				702+00.0	LT	W11-2	PEDESTRIAN	36	36	9.0	-	19.0	
						W16-9P	AHEAD	24	12	2.0	-		
19		705+00.00	708+41.73	-	-	-	-	-	-	-	-		
20	CEMETERY	900+00.00	904+52.12	900+25.9	LT	R1-1	STOP SIGN	36	36	7.0	-	16.0	
				904+39.0	RT	R1-1	STOP SIGN	36	36	7.0	-	16.0	

SUB-TOTAL	298.2	62.8	704.0
SUB-TOTAL PAGE 1	83.3	32.0	274.0
TOTAL	381	95	978

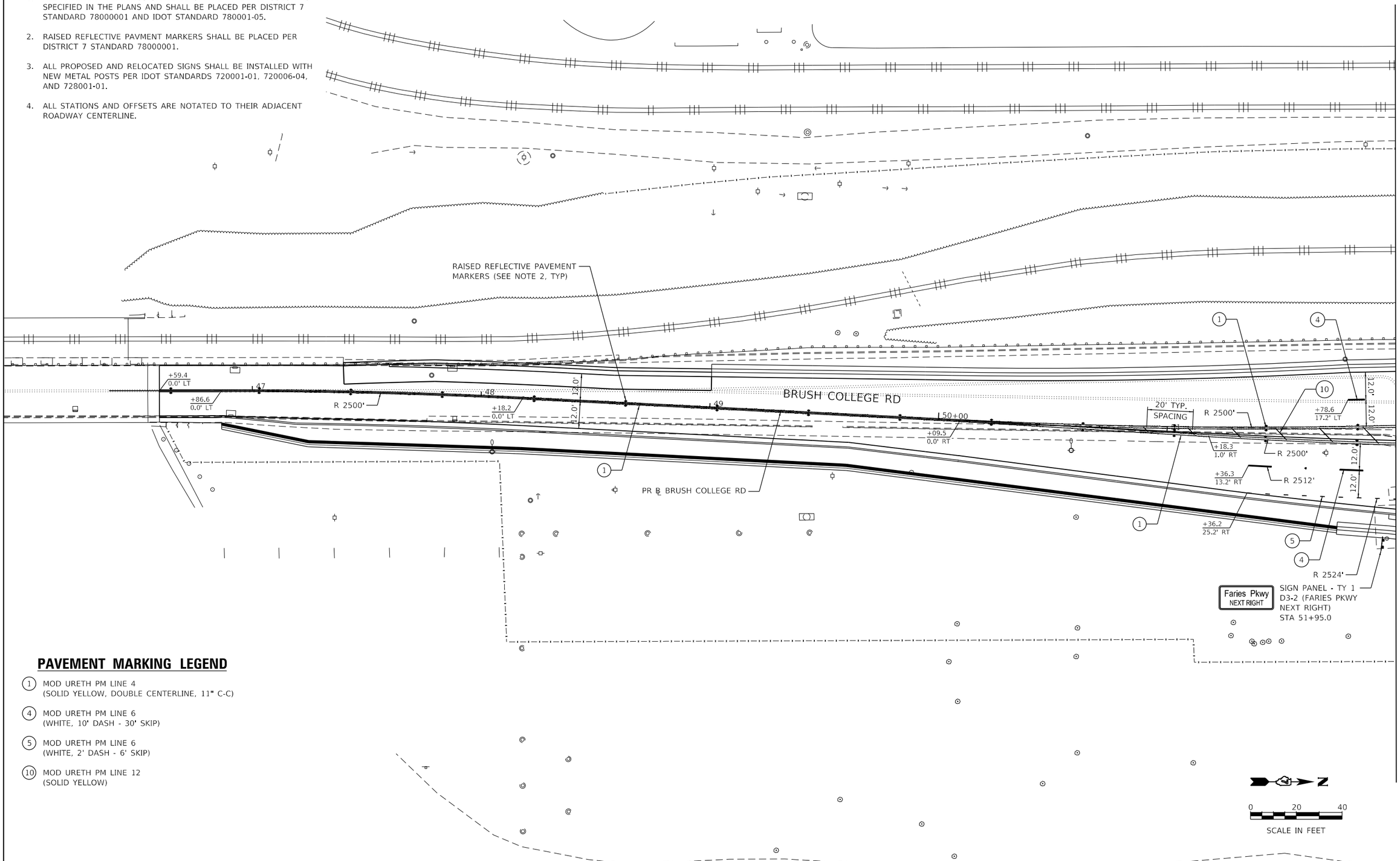
NOTES: 1. ALL STATIONS ARE APPROXIMATE. SIGNS SHALL BE ERECTED ACCORDING TO HIGHWAY STANDARD 720006.

SIGNING REMOVAL SCHEDULE

SHEET	ROAD	STATION	STATION	STA	LOC	TYPE	DESCRIPTION	SIGN REMOVAL EACH	COMMENTS
2	BRUSH	52+00.00	57+75.00	52+60	RT	R1-1	STOP SIGN	1	
				52+64	RT	D3-1	STREET NAME	1	OLIVE ST
						D3-1	STREET NAME		BRUSH COLLEGE RD
				57-14	RT	R8-3	NO PARKING	1	
				57+18	RT	D3-1	STREET NAME	1	LOGAN ST
						D3-1	STREET NAME		BRUSH COLLEGE RD
						R1-1	STOP SIGN		
3		57+75.00	62+50.00	59+12	LT	W4-2R	LANE ENDS	1	
				60+78	RT	R15-1	GRADE CROSSING (CROSS BUCK)	1	MOUNTED ON SIGNAL POST
						D3-1	STREET NAME		BRUSH COLLEGE RD - MOUNTED ON SIGNAL MAST ARM
				60+78	LT	R15-1	GRADE CROSSING (CROSS BUCK)	1	MOUNTED ON SIGNAL TRUSS POST
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R-SPECIAL	WATCH FOR TRAIN WHEN FLASHING		MOUNTED ON SIGNAL TRUSS
				60+81	LT	R10-11a	NO TURN ON RED	1	MOUNTED ON SIGNAL POST
						D3-1	STREET NAME		FARIES PKWY - MOUNTED ON SIGNAL MAST ARM
				61+80	RT	R15-1	GRADE CROSSING (CROSS BUCK)	1	MOUNTED ON SIGNAL POST
				61+83	LT	R-SPECIAL	WATCH FOR TRAIN WHEN FLASHING	1	MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						D3-1	STREET NAME		MOUNTED ON SIGNAL TRUSS
				62+08	RT		EMERGENCY - CALL NUMBERS	1	MOUNTED ON SIGNAL POST
						D3-1	STREET NAME		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R-SPECIAL	WATCH FOR TRAIN WHEN FLASHING		MOUNTED ON SIGNAL TRUSS
				62+08	LT		EMERGENCY - CALL NUMBERS	1	MOUNTED ON SIGNAL POST
						R-SPECIAL	WATCH FOR TRAIN WHEN FLASHING		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS
						R15-1	GRADE CROSSING (CROSS BUCK)		MOUNTED ON SIGNAL TRUSS POST
							EMERGENCY - CALL NUMBERS		MOUNTED ON SIGNAL POST
4		62+50.00	68+00.00	63+87	RT	R5-I101	BEGIN TRUCK ROUTE	1	
						M1-6	COUNTY ROUTE SIGN		
				64+48	LT	W10-1	GRADE CROSSING ADVANCE WARNING	1	
				64+71	RT	W10-3L	GRADE CROSSING AND INTERSECTION ADVANCE WARNING	1	
				65+19	LT	M4-6	END	1	
						R3-9b	TWO-WAY LEFT TURN ONLY (POST MOUNTED)		
				65+80	LT	R15-1	GRADE CROSSING (CROSS BUCK)	1	
				65+83		R1-1	STOP SIGN	1	
				66+22	LT	W14-2	NO OUTLET	1	
				66+35	LT	R15-1	GRADE CROSSING (CROSS BUCK)	1	
						R1-2	YIELD		
				66+39	LT	D3-1	STREET NAME	1	E HARRISON AV
						D3-1	STREET NAME		N BRUSH COLLEGE RD
				66+57	RT	M4-6	END	1	
						R3-9b	TWO-WAY LEFT TURN ONLY (POST MOUNTED)		
				67+22	LT	W10-3R	GRADE CROSSING AND INTERSECTION ADVANCE WARNING	1	
5		68+00.00	73+50.00	68+45	RT		UNKNOWN	1	
				68+74	LT	R3-9b	TWO-WAY LEFT TURN ONLY (POST MOUNTED)	1	
				69+65	RT	R1-1	STOP SIGN	1	
				69+69	RT	D3-1	STREET NAME	1	E HARRISON AV
						D3-1	STREET NAME		N BRUSH COLLEGE RD
				70+08	LT	R15-1	GRADE CROSSING (CROSS BUCK)	1	
						R1-2	YIELD		
				70+63	LT	R15-1	GRADE CROSSING (CROSS BUCK)	1	
				71+96	LT	R2-1	SPEED LIMIT	1	35 MPH
9	FARIES	213+25.00	219+00.00	215+83	RT	W4-2R	LANE ENDS	1	
10		219+00.00	224+75.00	222+34	RT	R4-1	DO NOT PASS	1	
				222+63	LT	R2-1	SPEED LIMIT	1	35 MPH - MOUNTED ON UTILITY POLE
12		230+50.00	235+41.47	234+32	LT	R7-#	NO PARKING	1	
TOTAL								34	

PAVEMENT MARKING & SIGNING NOTES

1. ALL PAVEMENT MARKINGS SHALL BE OF THE TYPE AND COLOR AS SPECIFIED IN THE PLANS AND SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001 AND IDOT STANDARD 780001-05.
2. RAISED REFLECTIVE PAVMENT MARKERS SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001.
3. ALL PROPOSED AND RELOCATED SIGNS SHALL BE INSTALLED WITH NEW METAL POSTS PER IDOT STANDARDS 720001-01, 720006-04, AND 728001-01.
4. ALL STATIONS AND OFFSETS ARE NOTATED TO THEIR ADJACENT ROADWAY CENTERLINE.



PAVEMENT MARKING LEGEND

(1) MOD URETH PM LINE 4
(SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)

(4) MOD URETH PM LINE 6
(WHITE, 10' DASH - 30' SKIP)

(5) MOD URETH PM LINE 6
(WHITE, 2' DASH - 6' SKIP)

(10) MOD URETH PM LINE 12
(SOLID YELLOW)

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\04-KASKASKIA\Pavement Marking Plans\60603202_SHT_PMK-Sign_01_Brush-01.dgn

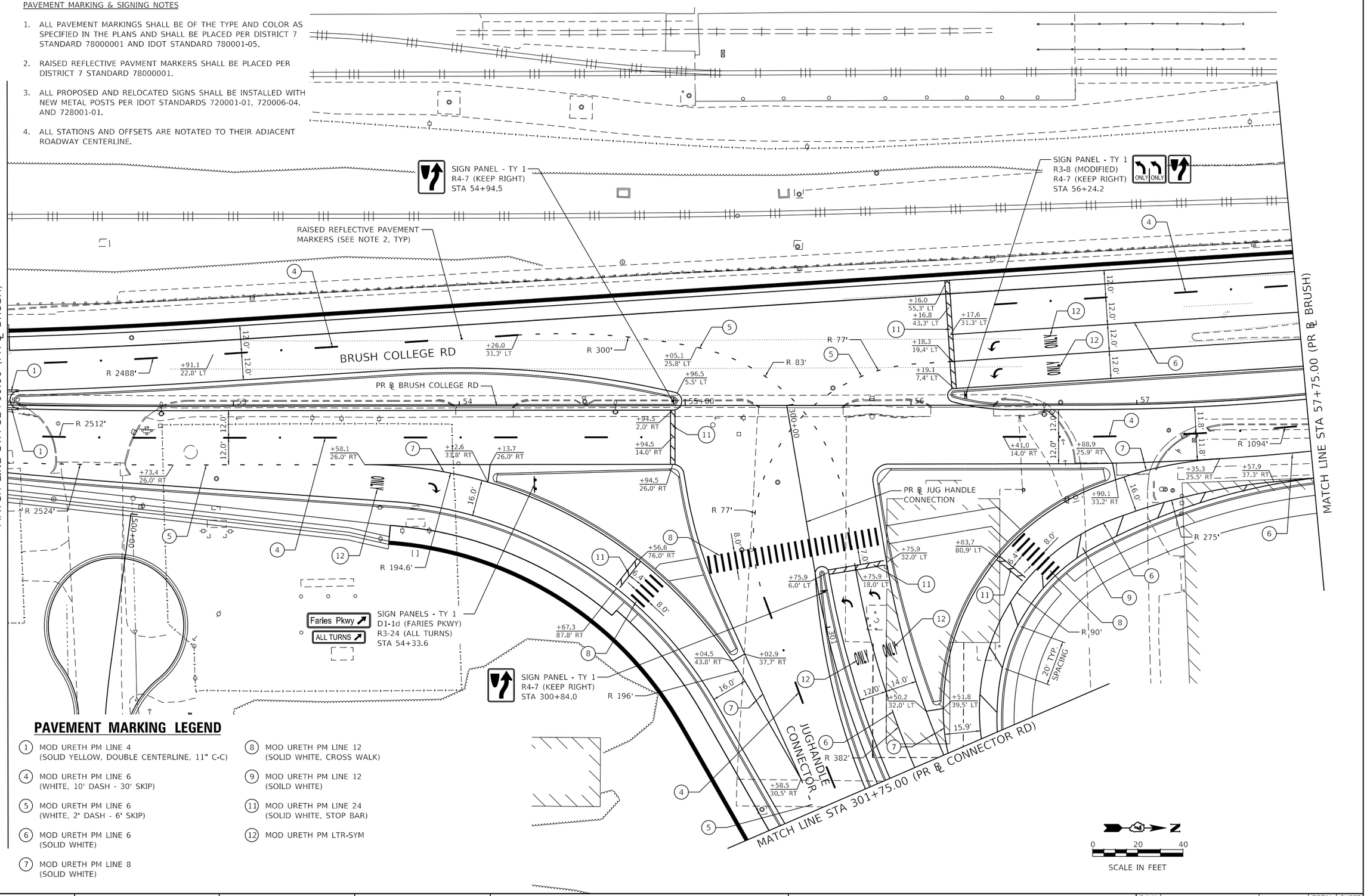
Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS — LICENSE NO.
Illinois Professional Design Firm — 184.004773
Professional Engineering Group — 20-5080586

USER NAME = rjo	DESIGNED - NDP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRUSH COLLEGE ROAD PAVEMENT MARKING & SIGNING PLAN	
	DRAWN - NDP	REVISED -			
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -			
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -		SCALE: 1"=20' SHEET 1 OF 20 SHEETS STA. 46+59.44 TO STA. 52+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	498
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING & SIGNING NOTES

1. ALL PAVEMENT MARKINGS SHALL BE OF THE TYPE AND COLOR AS SPECIFIED IN THE PLANS AND SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001 AND IDOT STANDARD 780001-05.
2. RAISED REFLECTIVE PAVMENT MARKERS SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001.
3. ALL PROPOSED AND RELOCATED SIGNS SHALL BE INSTALLED WITH NEW METAL POSTS PER IDOT STANDARDS 720001-01, 720006-04, AND 728001-01.
4. ALL STATIONS AND OFFSETS ARE NOTATED TO THEIR ADJACENT ROADWAY CENTERLINE.



PAVEMENT MARKING LEGEND

1. MOD URETH PM LINE 4 (SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)
4. MOD URETH PM LINE 6 (WHITE, 10' DASH - 30' SKIP)
5. MOD URETH PM LINE 6 (WHITE, 2' DASH - 6' SKIP)
6. MOD URETH PM LINE 6 (SOLID WHITE)
7. MOD URETH PM LINE 8 (SOLID WHITE)
8. MOD URETH PM LINE 12 (SOLID WHITE, CROSS WALK)
9. MOD URETH PM LINE 12 (SOILD WHITE)
11. MOD URETH PM LINE 24 (SOLID WHITE, STOP BAR)
12. MOD URETH PM LTR-SYM

MODEL: Default
FILE NAME: pw:\\aecom-nasw.bentley.com\AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\04-KASKASKIA\Pavement Marking Plans\60603202_SHT_PMK-Sign_02_Brush-02.dgn

Kaskaskia Engineering Group, LLC
PROFESSIONAL REGISTRATIONS — LICENSE NO.
Illinois Professional Design Firm 184.004753
Professional Engineering Group 20-5080586

USER NAME = rjo	DESIGNED - NDP	REVISED -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 2 OF 20 SHEETS | STA. 52+00.00 TO STA. 57+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	996	499

CONTRACT NO. XXXX(XXX)
ILLINOIS FED. AID PROJECT

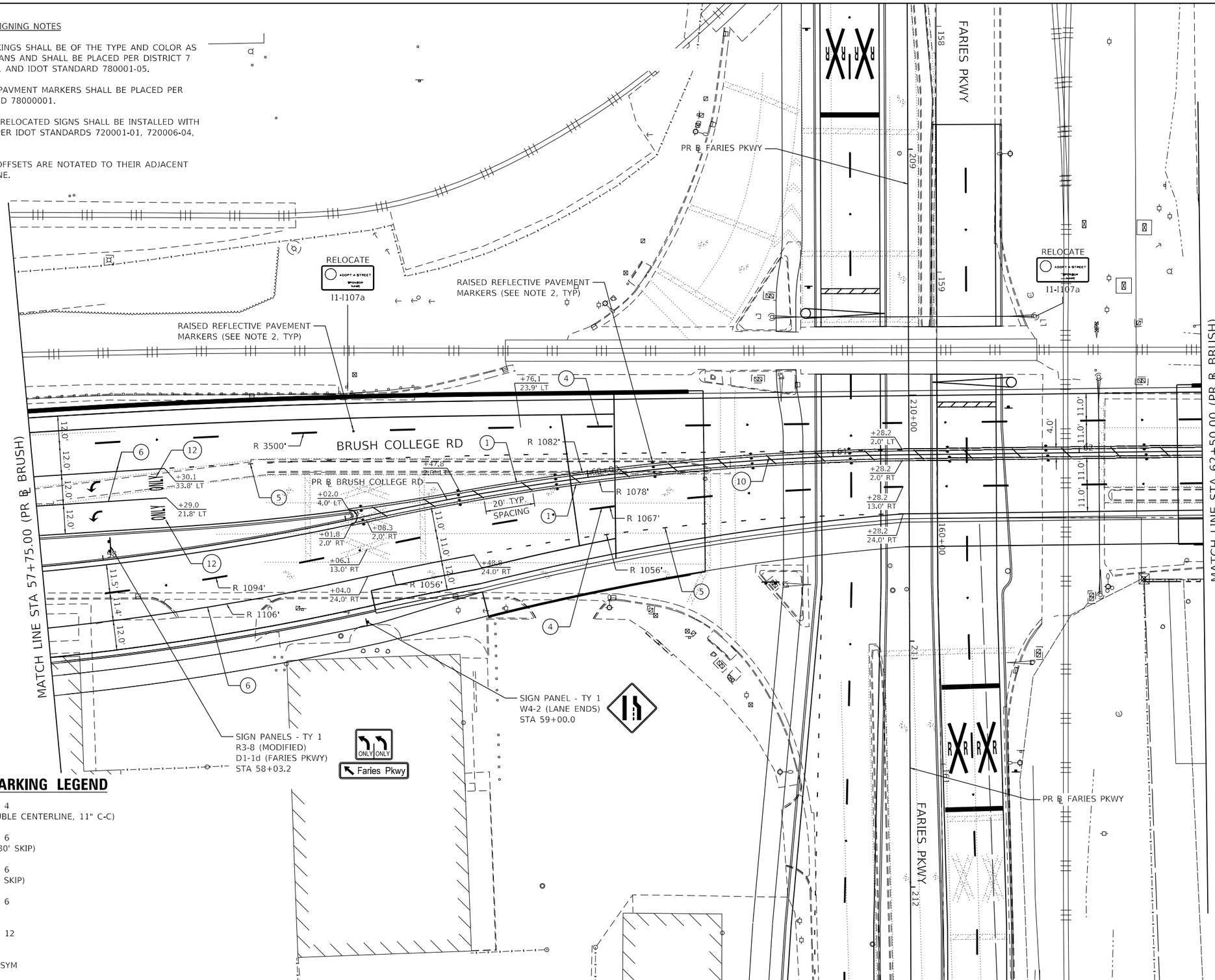
PAVEMENT MARKING & SIGNING NOTES

1. ALL PAVEMENT MARKINGS SHALL BE OF THE TYPE AND COLOR AS SPECIFIED IN THE PLANS AND SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001 AND IDOT STANDARD 780001-05.

2. RAISED REFLECTIVE PAVMENT MARKERS SHALL BE PLACED PER DISTRICT 7 STANDARD 78000001.

3. ALL PROPOSED AND RELOCATED SIGNS SHALL BE INSTALLED WITH NEW METAL POSTS PER IDOT STANDARDS 720001-01, 720006-04, AND 728001-01.

4. ALL STATIONS AND OFFSETS ARE NOTATED TO THEIR ADJACENT ROADWAY CENTERLINE.



PAVEMENT MARKING LEGEND

(1) MOD URETH PM LINE 4
(SOLID YELLOW, DOUBLE CENTERLINE, 11" C-C)

(4) MOD URETH PM LINE 6
(WHITE, 10' DASH - 30' SKIP)

(5) MOD URETH PM LINE 6
(WHITE, 2' DASH - 6' SKIP)

(6) MOD URETH PM LINE 6
(SOLID WHITE)

(10) MOD URETH PM LINE 12
(SOLID YELLOW)

(12) MOD URETH PM LTR-SYM

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\04-KASKASKIA\Pavement Marking Plans\60603202_SHT_PMK-Sign_03_Brush-03.dgn

Kaskaskia Engineering Group, LLC PROFESSIONAL REGISTRATIONS LICENSE NO. Illinois Professional Design Firm 184.004773 Professional Engineering Group 20-5080586	USER NAME = rjo	DESIGNED - NDP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRUSH COLLEGE ROAD PAVEMENT MARKING & SIGNING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - NDP	REVISED -			7448	09-00933-01-BR	MACON	996 / 500
	PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -					CONTRACT NO. XXXX(XXX)	
	PLOT DATE = 10/30/2020	DATE - 10/30/2020	REVISED -		SCALE: 1"=20' / SHEET 3 OF 20 SHEETS / STA. 57+75.00 TO STA. 62+50.00			ILLINOIS	FED. AID PROJECT