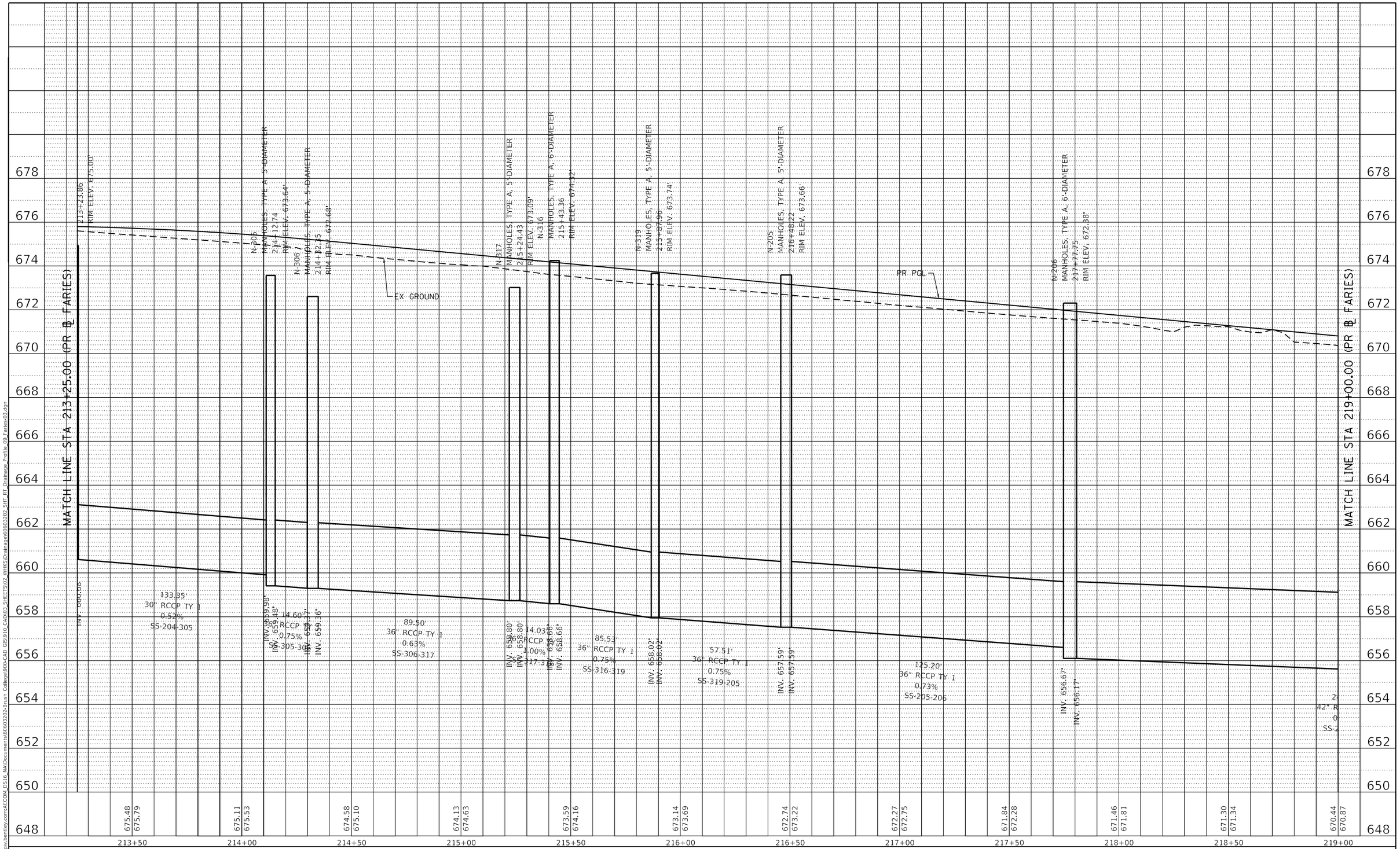


PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
CADD FILE NAME			
NOTE BOOK NO.			

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

MODEL: Default
FILE NAME: pw:\\aecom-na.pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\90-CAD GIS\910_CADD\03_SHEETS\02_VHKS\Drainage\60603202_SHT_RT_Drainage_Profile_09_Faries-03.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

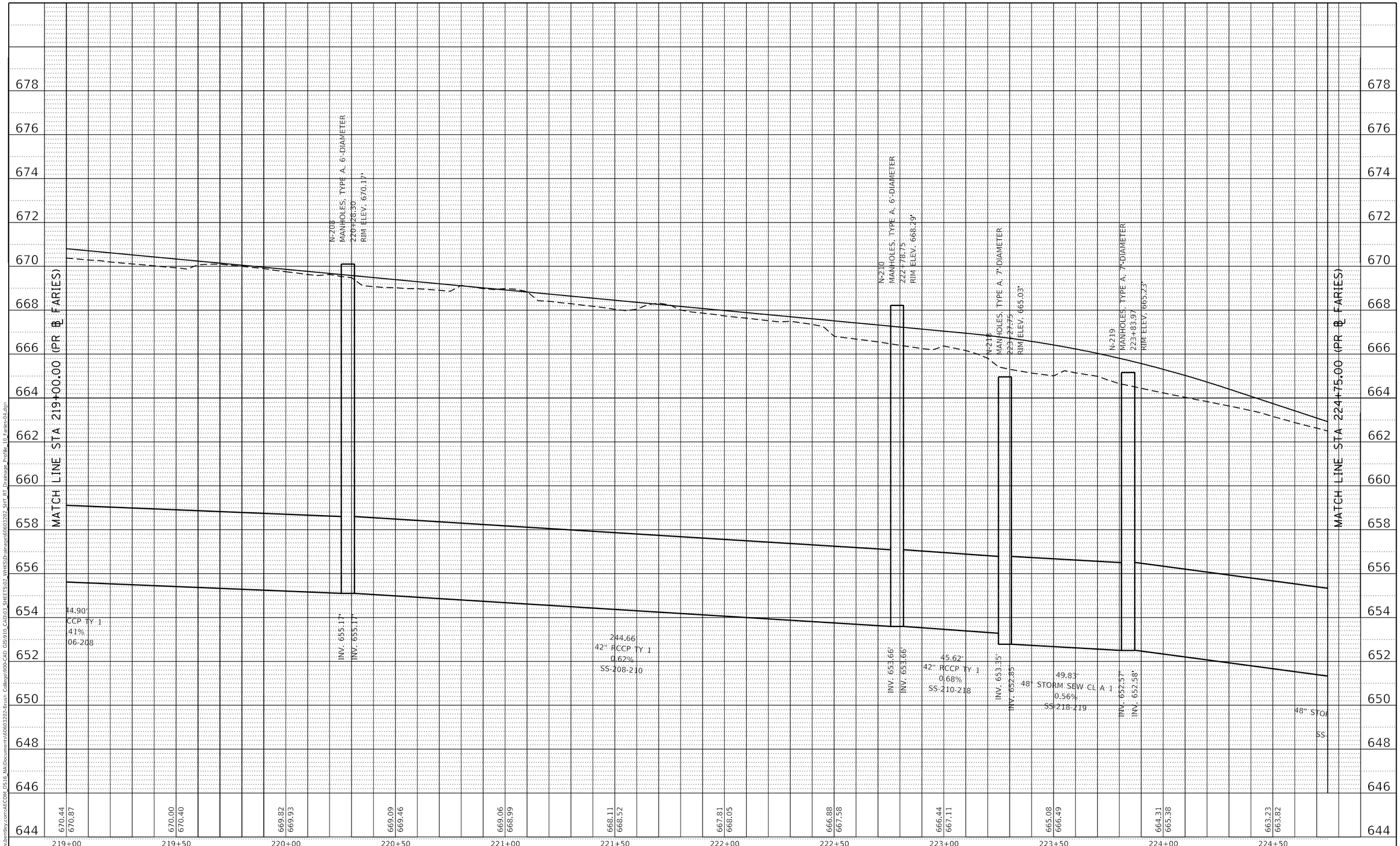
FARIES PARKWAY
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 9 OF 20 SHEETS | STA. 213+25.00 TO STA. 219+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	302

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_10_Faries-04.dgn

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

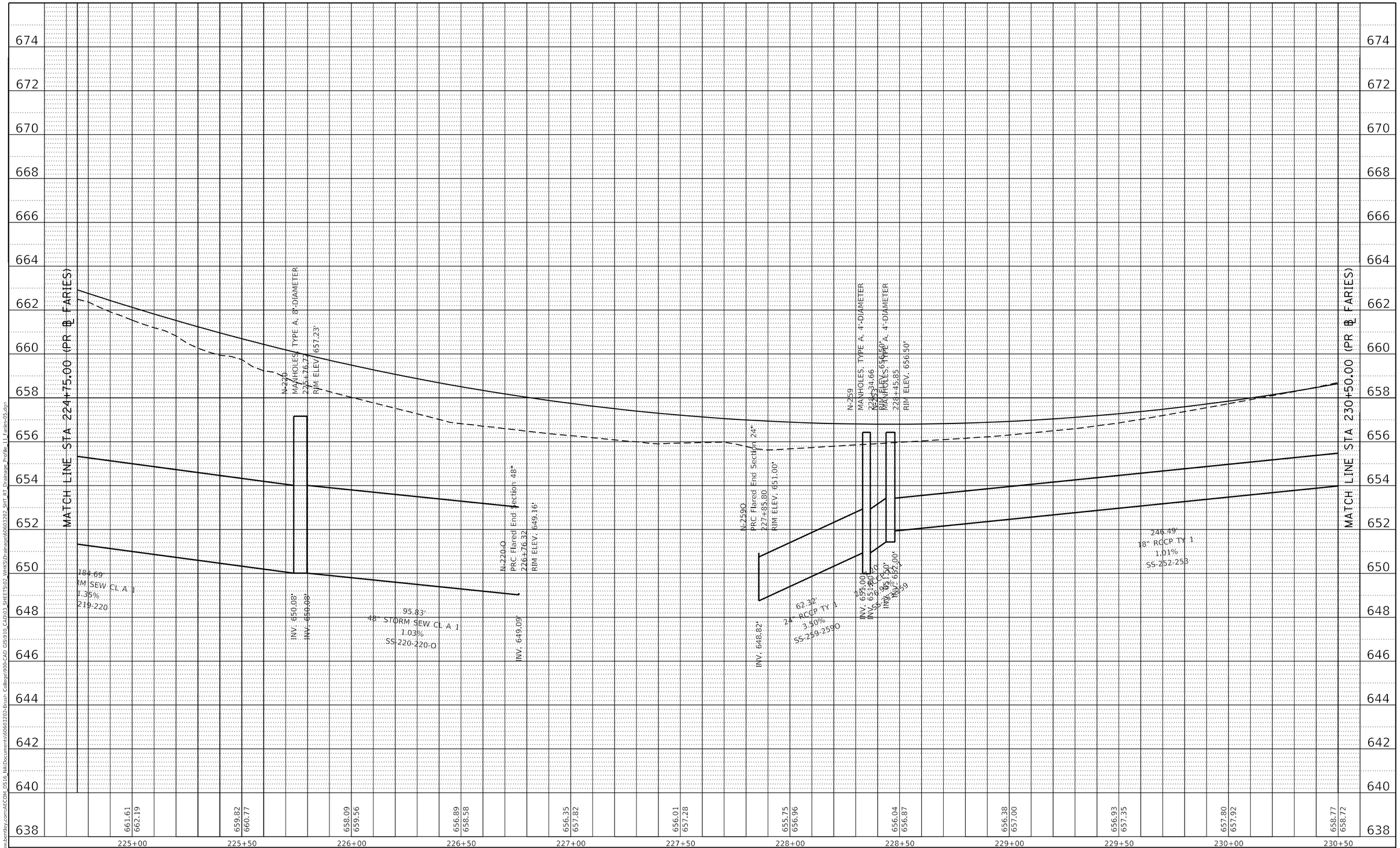
USER NAME = gjameson	DESIGNED - -	REVISED -	
	DRAWN - -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FARIES PARKWAY
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 10 OF 20 SHEETS | STA. 219+00.00 TO STA. 224+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	303
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_11_Faries-05.dgn

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

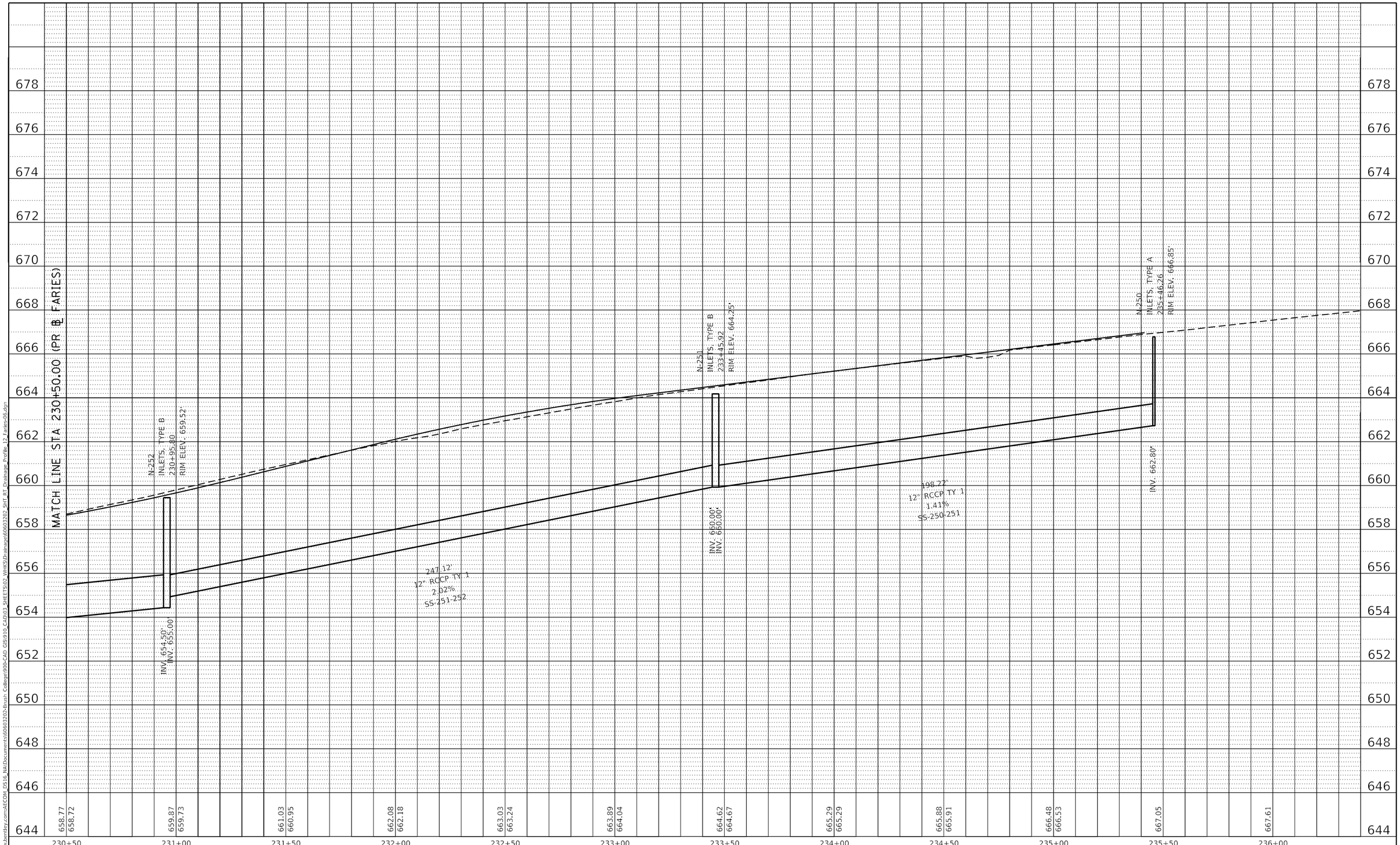
USER NAME = gjameson	DESIGNED - -	REVISED -	
	DRAWN - -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FARIES PARKWAY
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 11 OF 20 SHEETS | STA. 224+75.00 TO STA. 230+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	304
		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 NOTAT^NS CHKD ____
BY ____ DATE ____

MODEL: Default
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\60603202_SHT_RT_Drainage_Profile_12_Faries-06.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

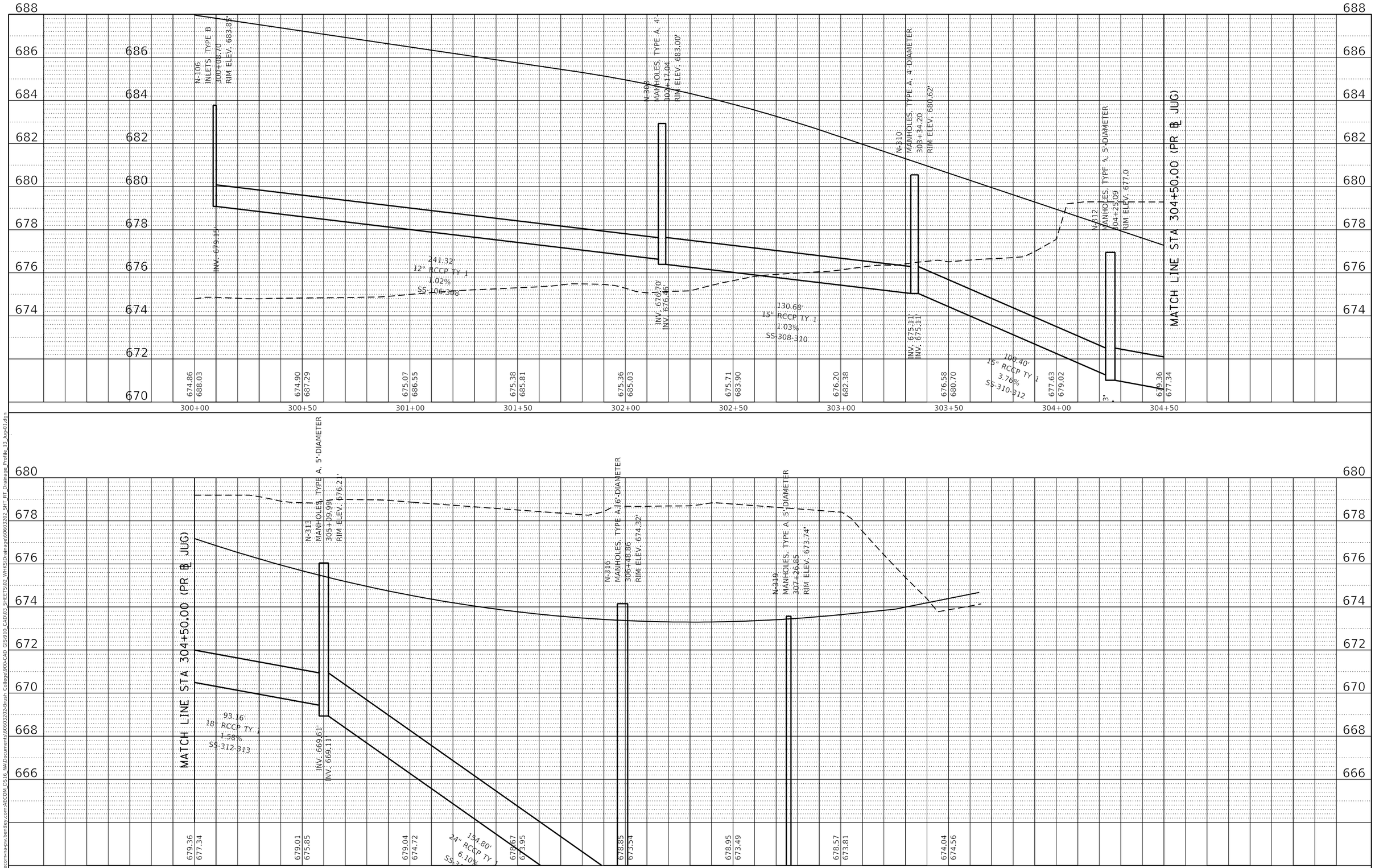
FARIES PARKWAY
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 12 OF 20 SHEETS | STA. 230+50.00 TO STA. 237+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	305

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_13_Jug01.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -	

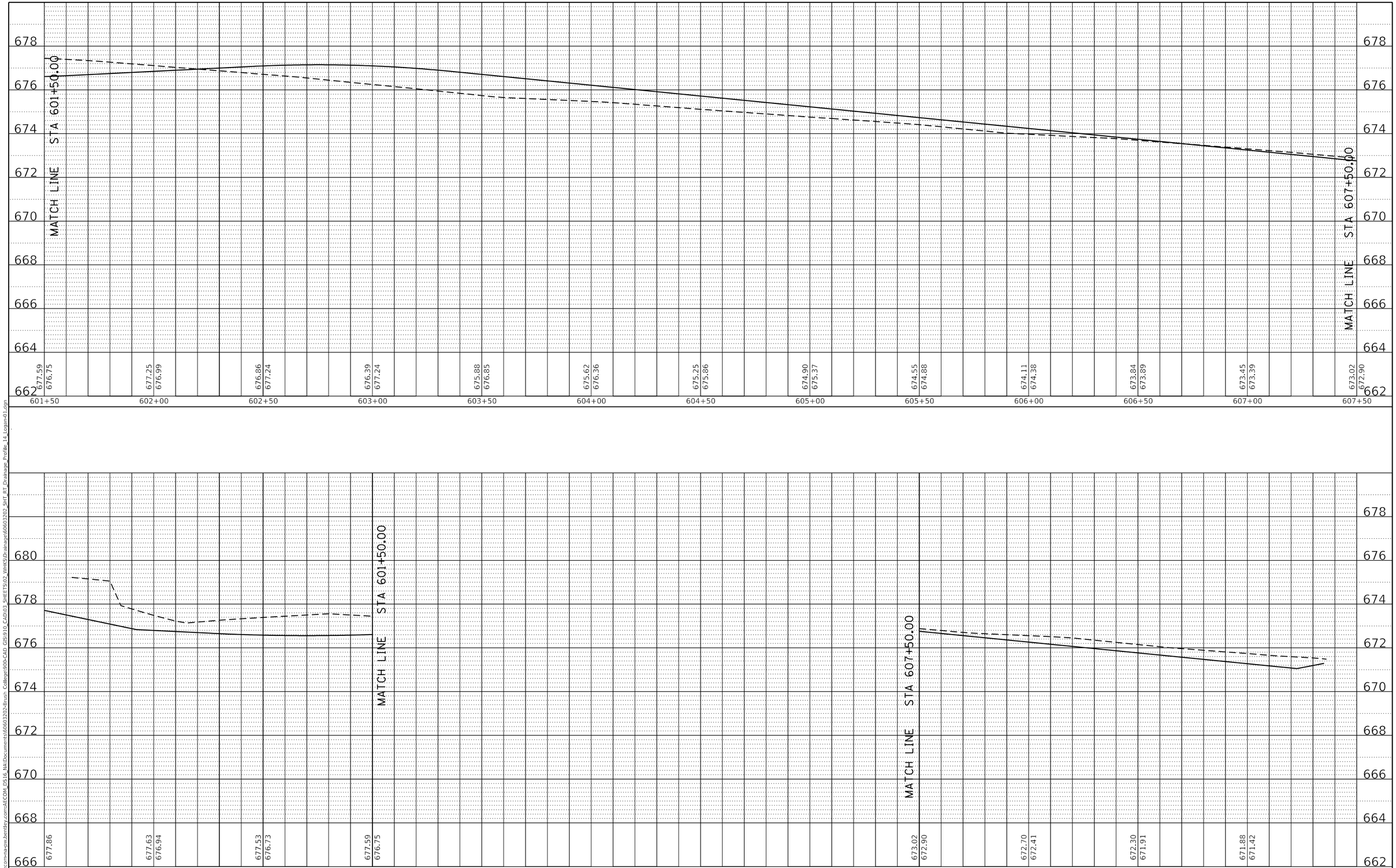
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JUG HANDLE CONNECTOR ROAD
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 13 OF 20 SHEETS | STA. 300+00.00 TO STA. 308+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	306

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



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
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\60603202_SHT_RT_Drainage_Profile_14_Logan-01.dgn

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

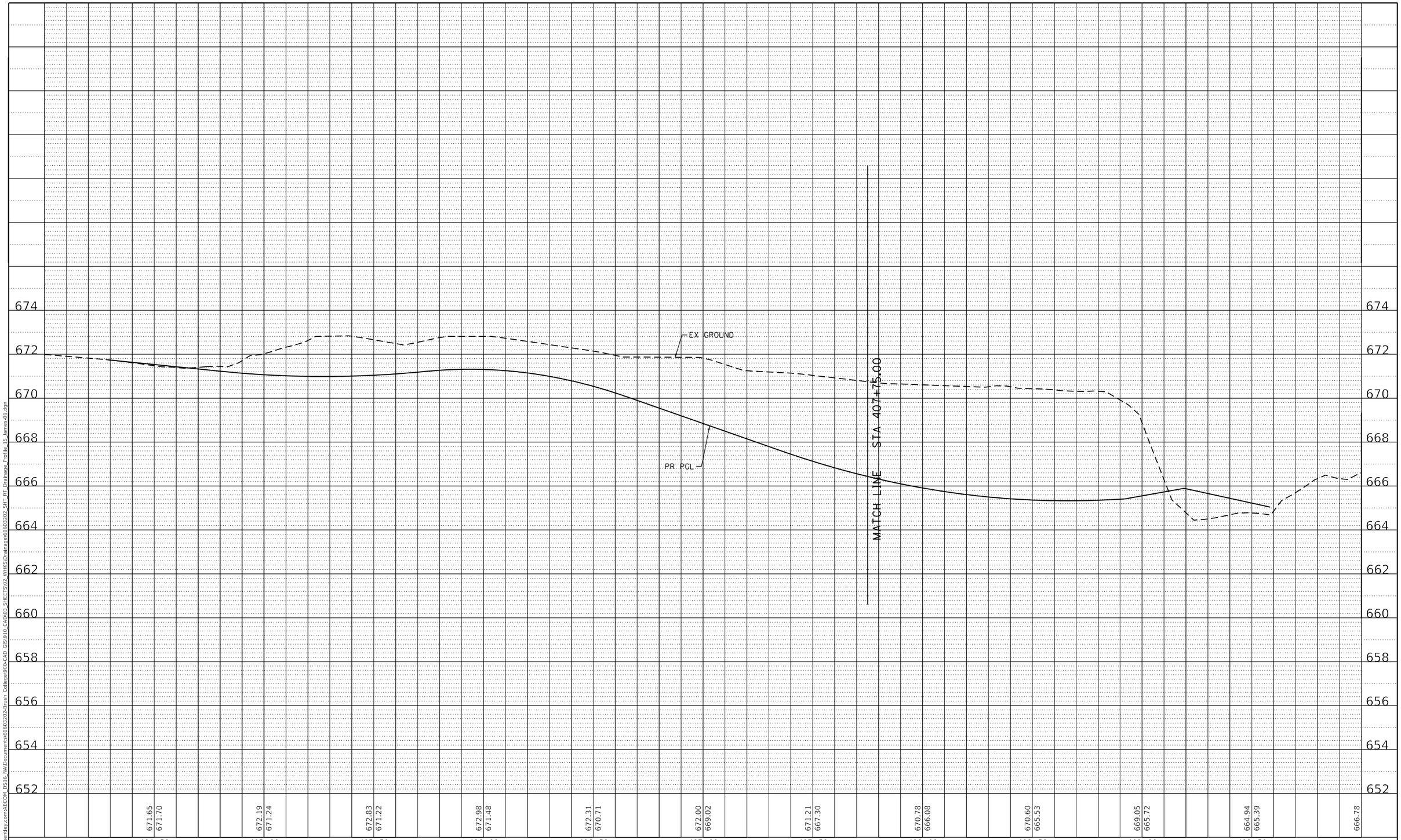
USER NAME = gjameson	DESIGNED - -	REVISED -	
	DRAWN - -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E LOGAN STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 14 OF 20 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	572	307
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_15_James-01.dgn

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

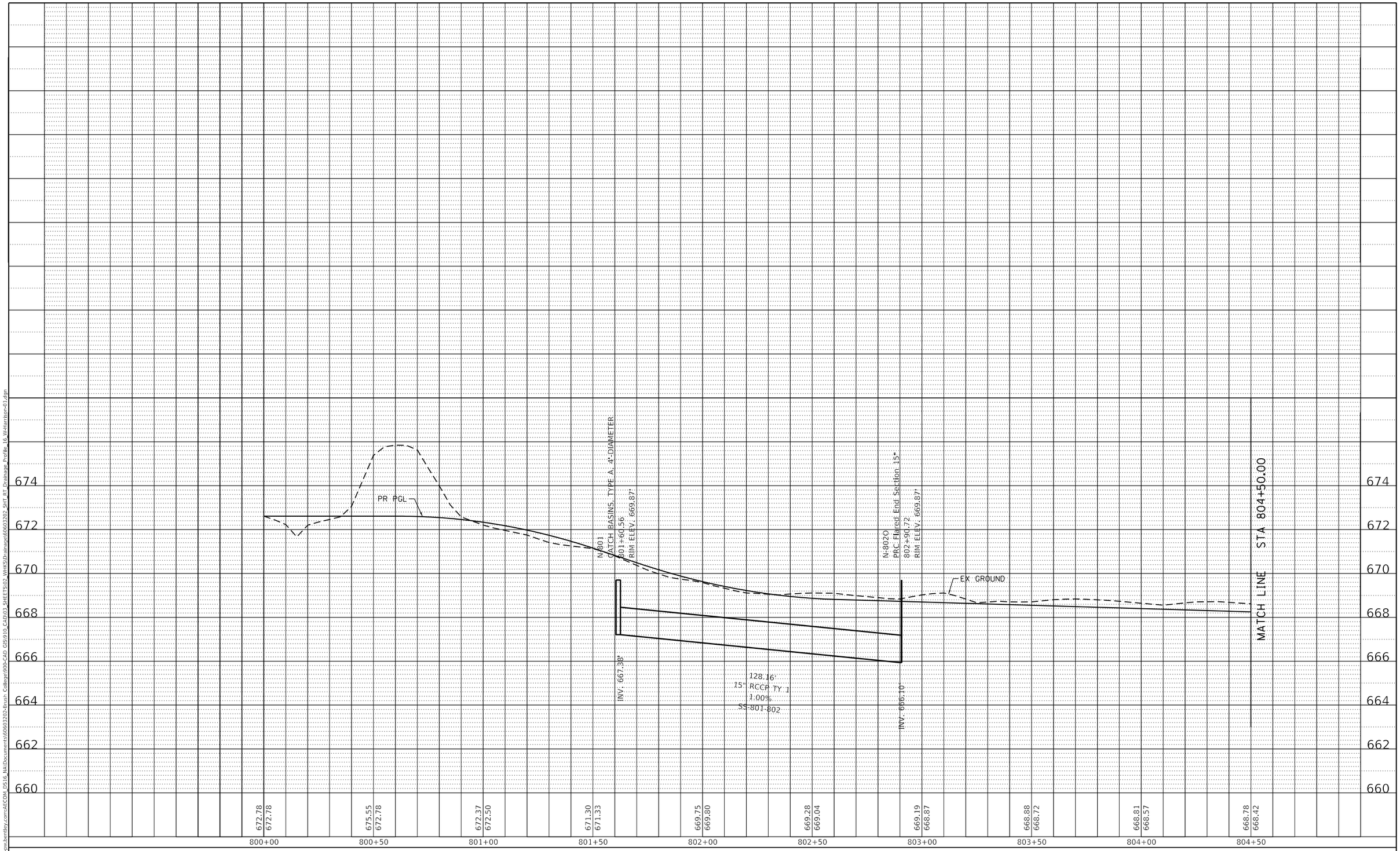
USER NAME = gjameson	DESIGNED - -	REVISED -	
	DRAWN - -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -	
PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

N JAMES STREET
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 15 OF 20 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	572	308
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BLDG. NOTED
STRUCTURE NOTAT'NS CHKD
NOTE BOOK NO.
BY
DATE

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\90b-CAD GIS\910_CAD\03_SHEETS\02_VHKSD\drainage\60603202_SHT_RT_Drainage_Profile_16_W-Harrison-01.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

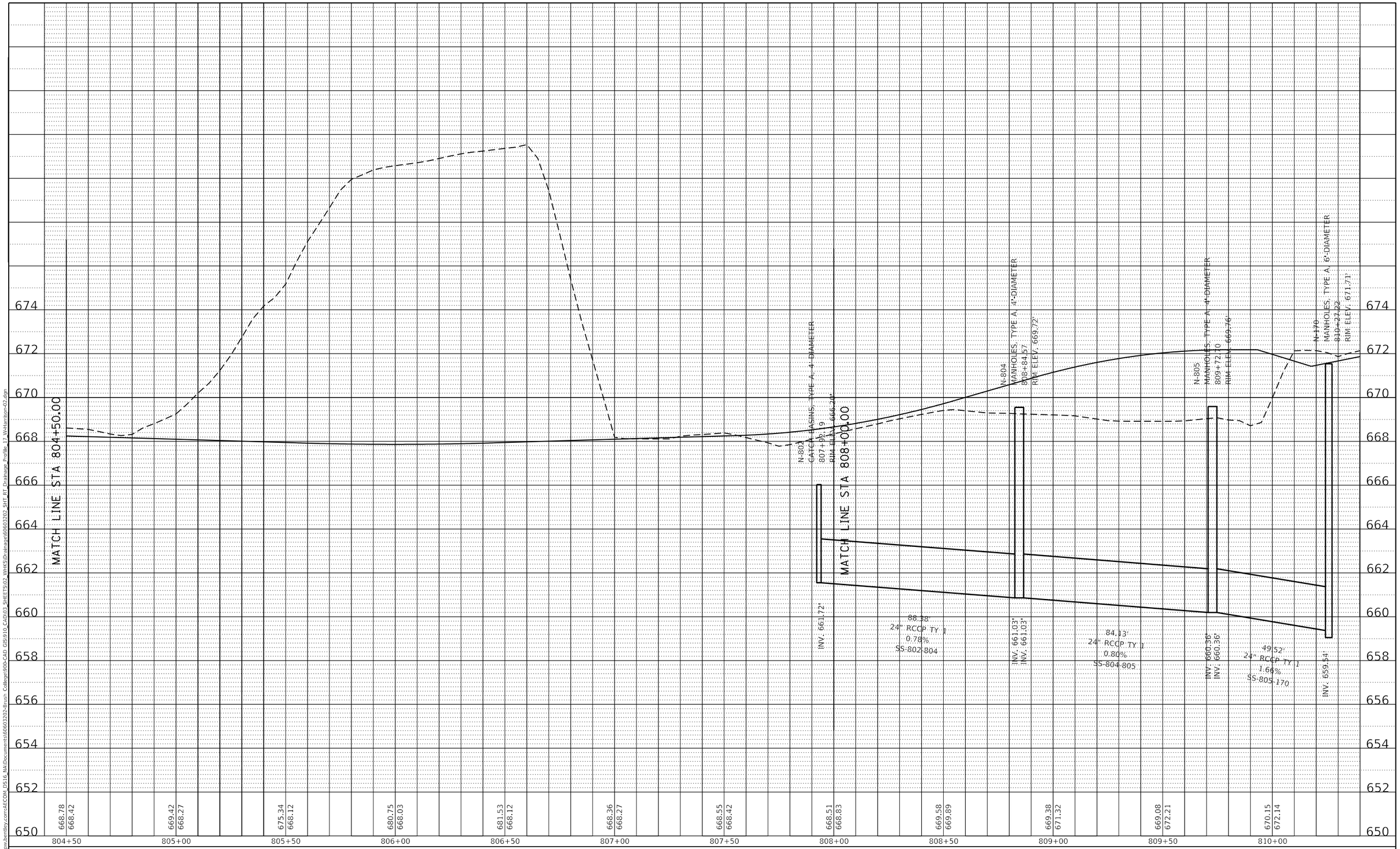
E HARRISON AVENUE (WEST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 16 OF 20 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	572	309

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\90b-CAD GIS\910_CAD\03_SHEETS\02_VHKS\Drainage\60603202_SHT_RT_Drainage_Profile_17_W-Harrison-02.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

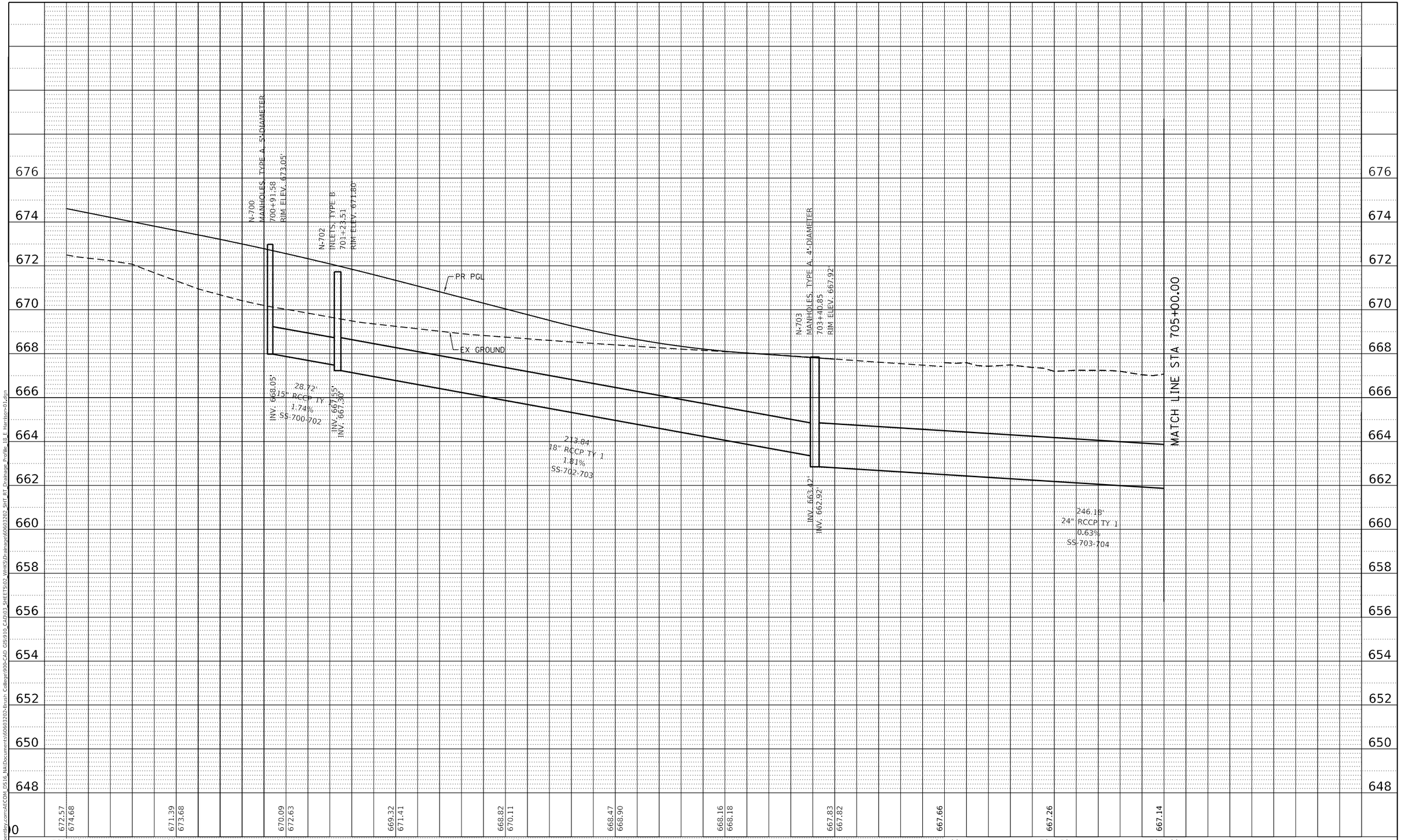
E HARRISON AVENUE (WEST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 17 OF 20 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	572	310

CONTRACT NO. XXXX(XXX)

ILLINOIS FED. AID PROJECT



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

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

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College90b-CAD GIS\910_CAD\03_SHEETS\02_VHKS\Drainage\60603202_SHT_RT_Drainage_Profile_18_E Harrison-01.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

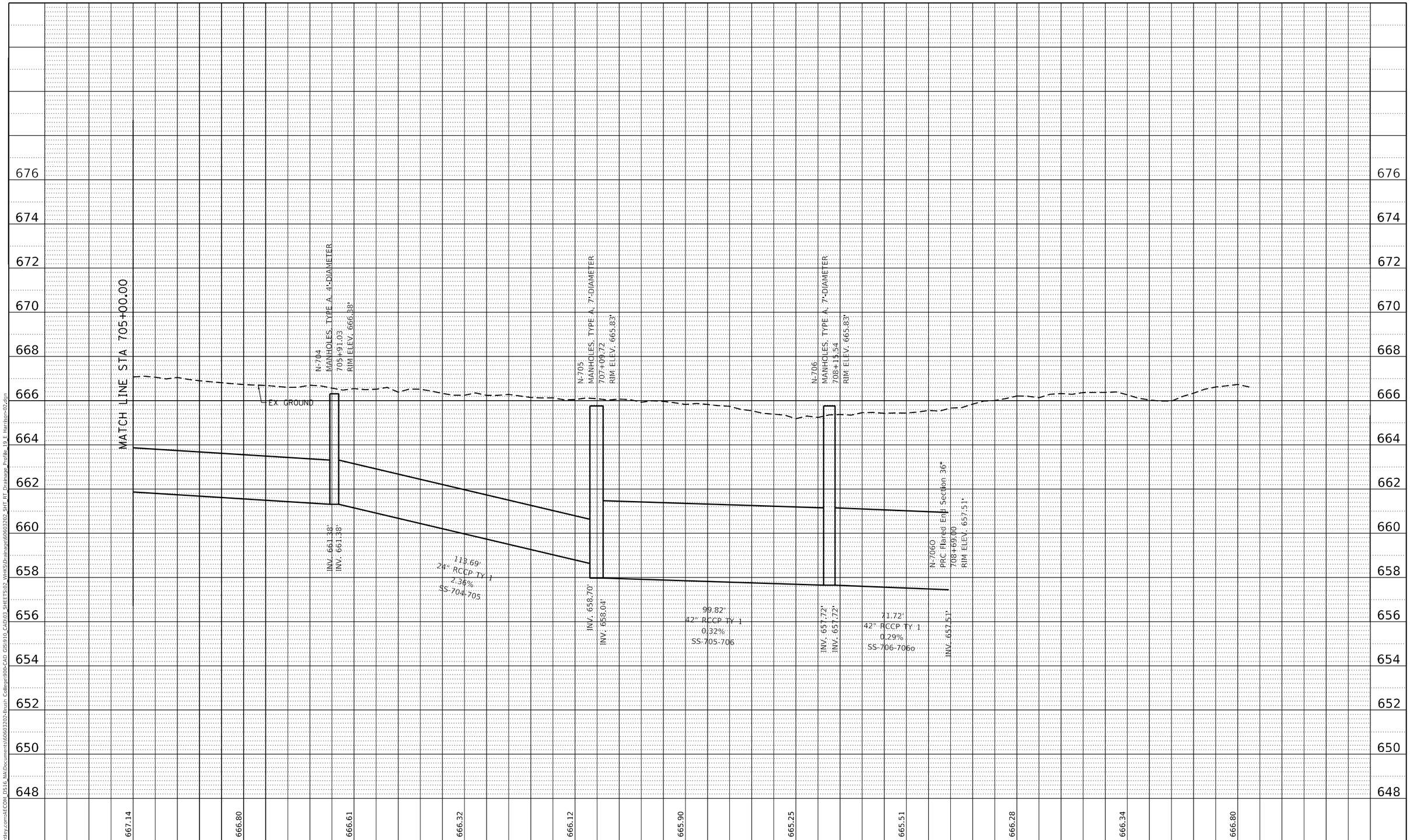
E HARRISON AVENUE (EAST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 18 OF 20 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	572	311

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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 CHK'D		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_19_E Harrison-02.dgn

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 = 6/17/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

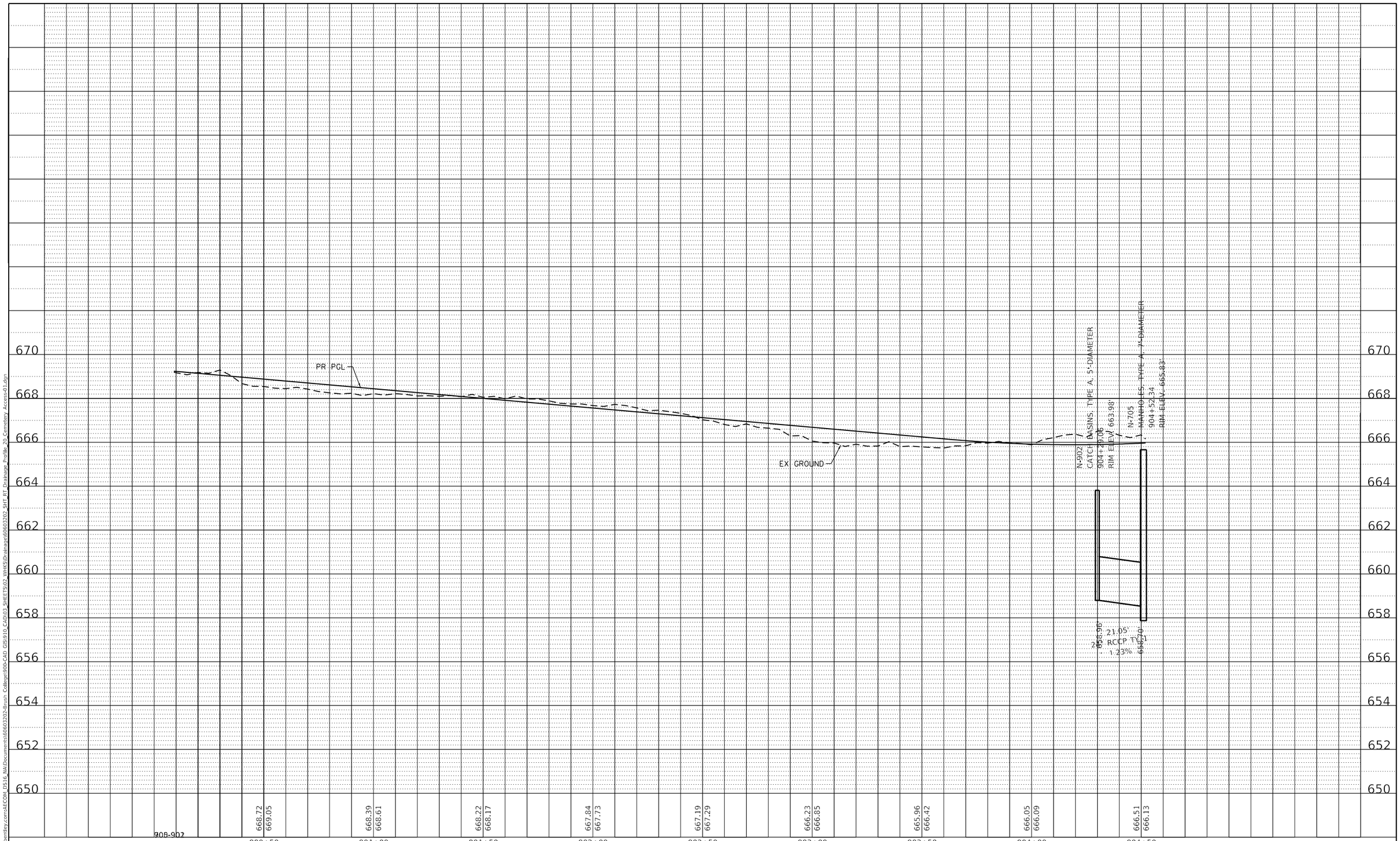
E HARRISON AVENUE (EAST LEG)
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 19 OF 20 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	572	312

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
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Drainage\60603202_SHT_RT_Drainage_Profile_20_Cemetery Access-01.dgn

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

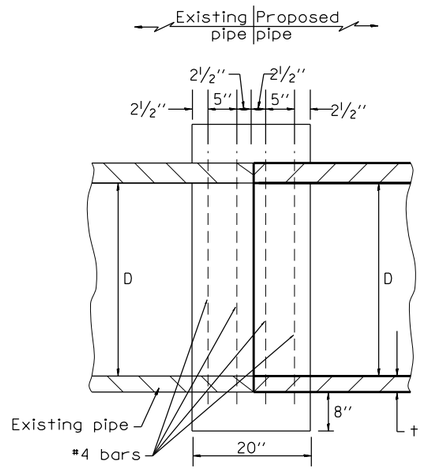
USER NAME = gjameson	DESIGNED - -	REVISED -
	DRAWN - -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -
PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

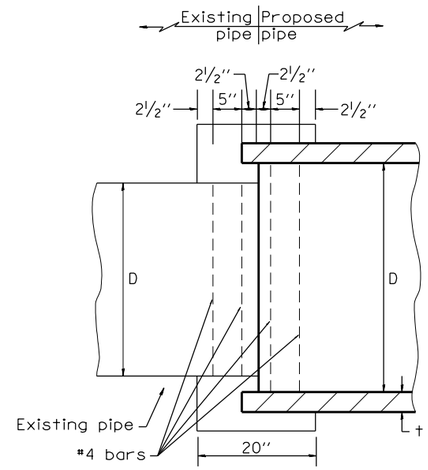
CEMETERY ACCESS
PROPOSED DRAINAGE PROFILES RIGHTSIDE

SCALE: 1"=10' V | SHEET 20 OF 20 SHEETS | STA. 900+00.00 TO STA. 904+66.28

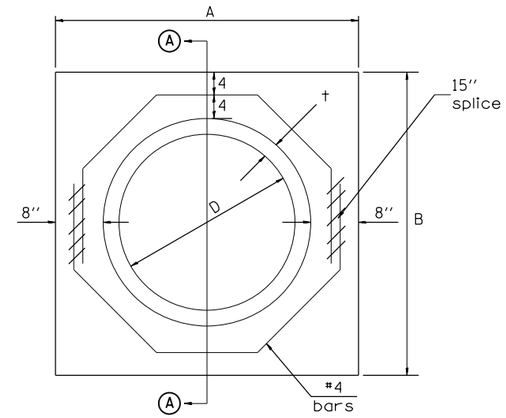
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	313
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



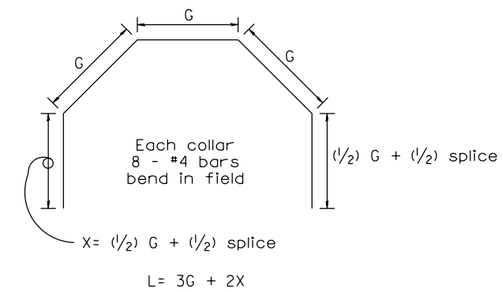
SECTION A - A



CONCRETE COLLAR DETAIL

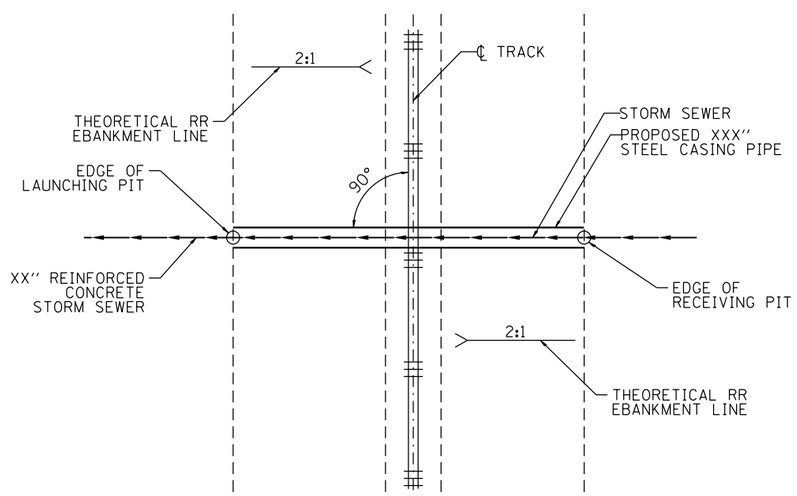


END VIEW



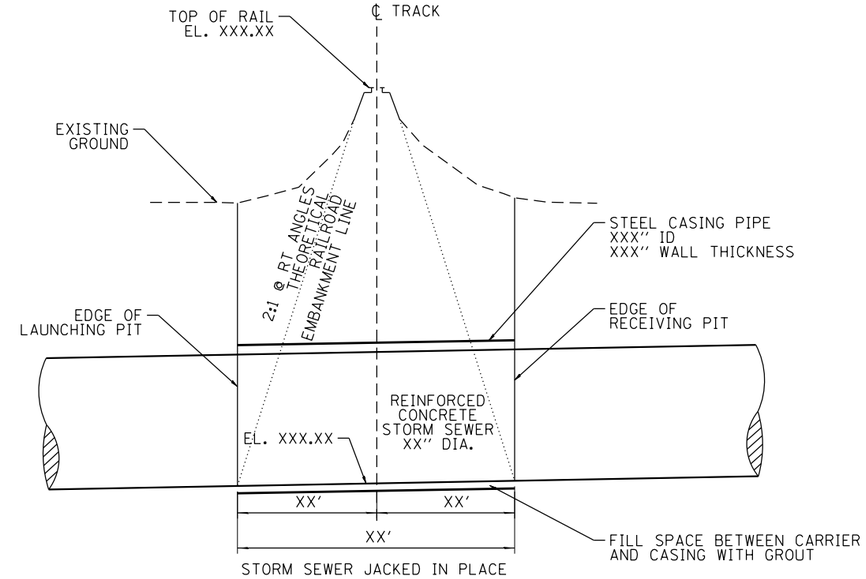
GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. This work shall be paid for by the cubic yard for CONCRETE COLLAR and by the pound for REINFORCEMET BARS.



TYPICAL
STORM SEWER BENEATH
RAILWAY

NOT TO SCALE



TYPICAL
STORM SEWER BENEATH
RAILWAY

NOT TO SCALE

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College\900-CAD GIS\910_CAD\03_SHEETS\02_WHKS\Details\60603202_drainage details.dgn

design firm no. 184001036 whks engineers + planners + land surveyors	USER NAME = ETott	DESIGNED - -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - BJJ	REVISED -			7448	09-00933-01-BR	MACON	572 / 314
	PLOT SCALE = 40.0000 ' / in.	CHECKED - -	REVISED -					CONTRACT NO. XXXX(XXX)	
	PLOT DATE = 6/17/2020	DATE - 6/12/2020	REVISED -		SCALE: 1''=20' SHEET 1 OF 1 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 OWNER/ENGINEER. CONTRACTOR SHALL NOT OPERATE EXISTING VALVES AND HYDRANTS ON THE CITY'S EXISTING WATER SYSTEM. CONTRACTOR SHALL SCHEDULE WITH THE OWNER 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.

11. EXISTING UTILITY LOCATIONS (JULIE REQUESTS)

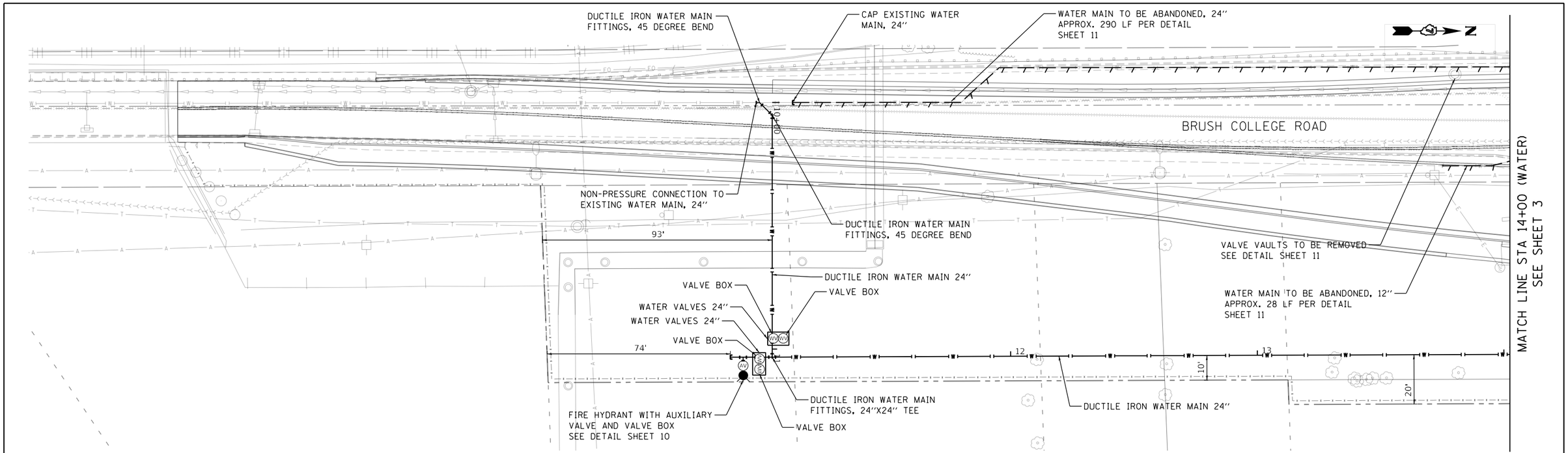
    A. THREE (3) WORKING DAYS PRIOR TO BEGINNING THE WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT JULIE TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION.
    B. ALL UTILITIES ARE TO 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.

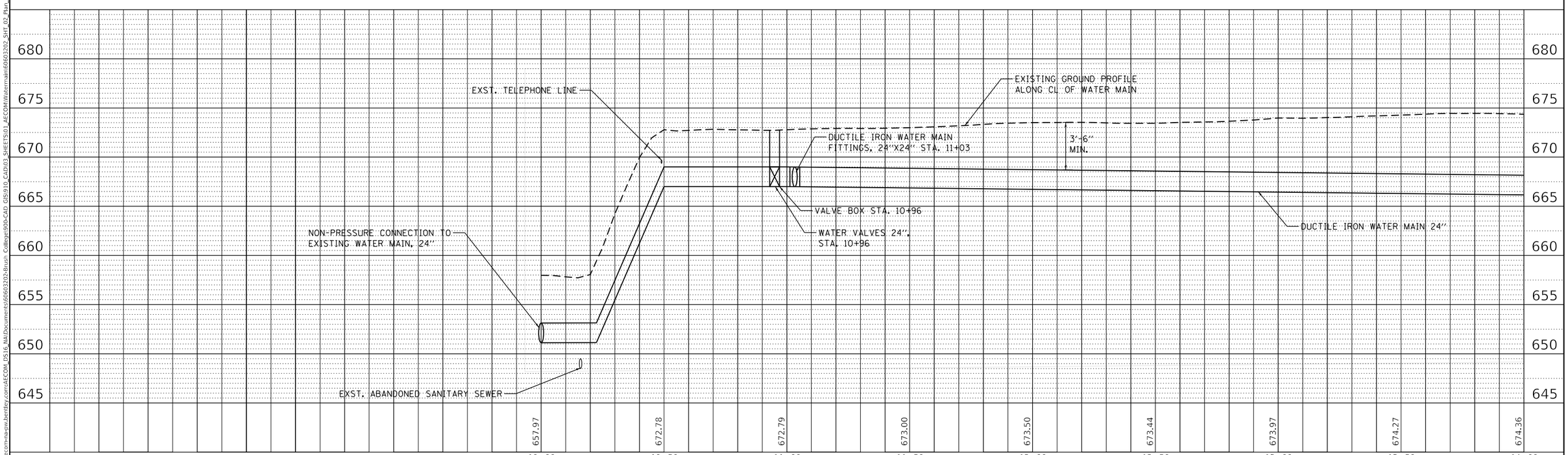
13. THE CONTRACTOR SHALL MAINTAIN IN SERVICE ALL EXISTING WATER MAINS, SEWERS, CULVERTS, DITCHES, DRAINS, MANHOLES, AND CATCH BASINS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, BYPASS PUMPING.

WATER MAIN & SANITARY SEWER SYMBOLS

- WV — PROPOSED WATER VALVE WITH BOX
- WV WV — PROPOSED WATER VALVE WITH BOXES
- LS — PROPOSED LINE STOP
- AV — PROPOSED FIRE HYDRANT AUXILIARY VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED MANHOLE
- W — PROPOSED WATER MAIN
- W — PROPOSED WATER MAIN IN STEEL CASING PIPE
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SEWER IN STEEL CASING PIPE
- UTILITY TO BE ABANDONED OR REMOVED
- PROPOSED WATER MAIN FITTING, REDUCER
- PROPOSED CAP 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, CAP



0 20 40
SCALE IN FEET



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
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_02_Plan_Profile_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4161
PHONE: (217) 875-4800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

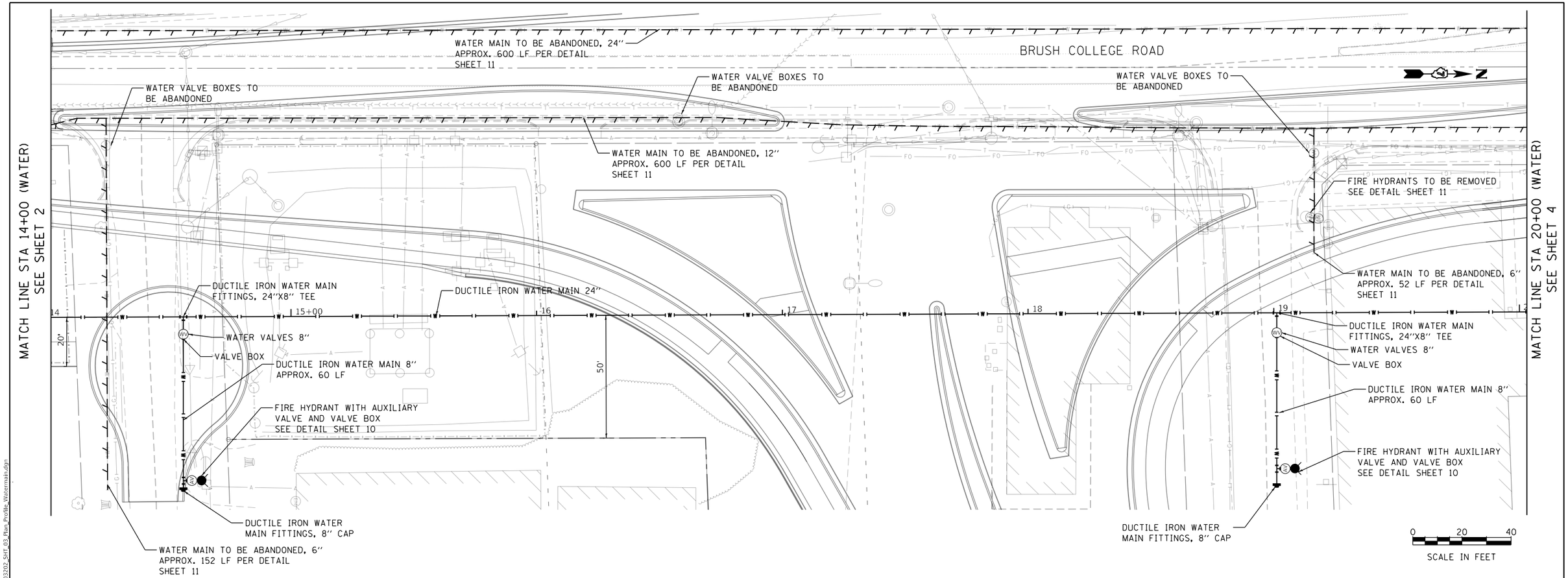
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

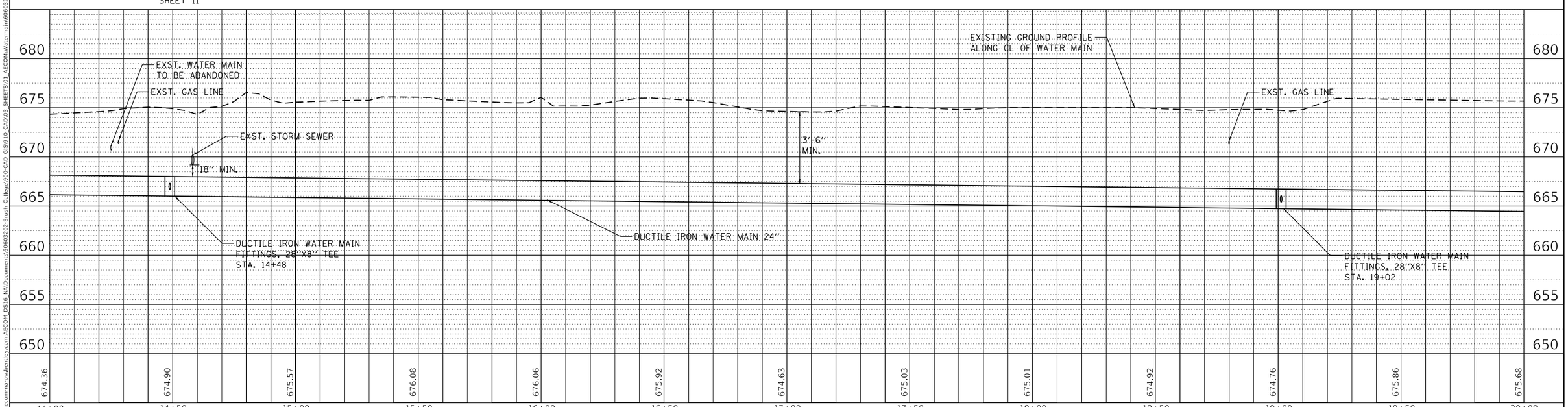
BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

SCALE: 1"=20' | SHEET 2 OF 11 SHEETS | STA. 10+00 TO STA. 14+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	316

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





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 CHKD		
NOTE BOOK NO.		

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_03_Plan_Profile_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4161
PHONE: (217) 875-8800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

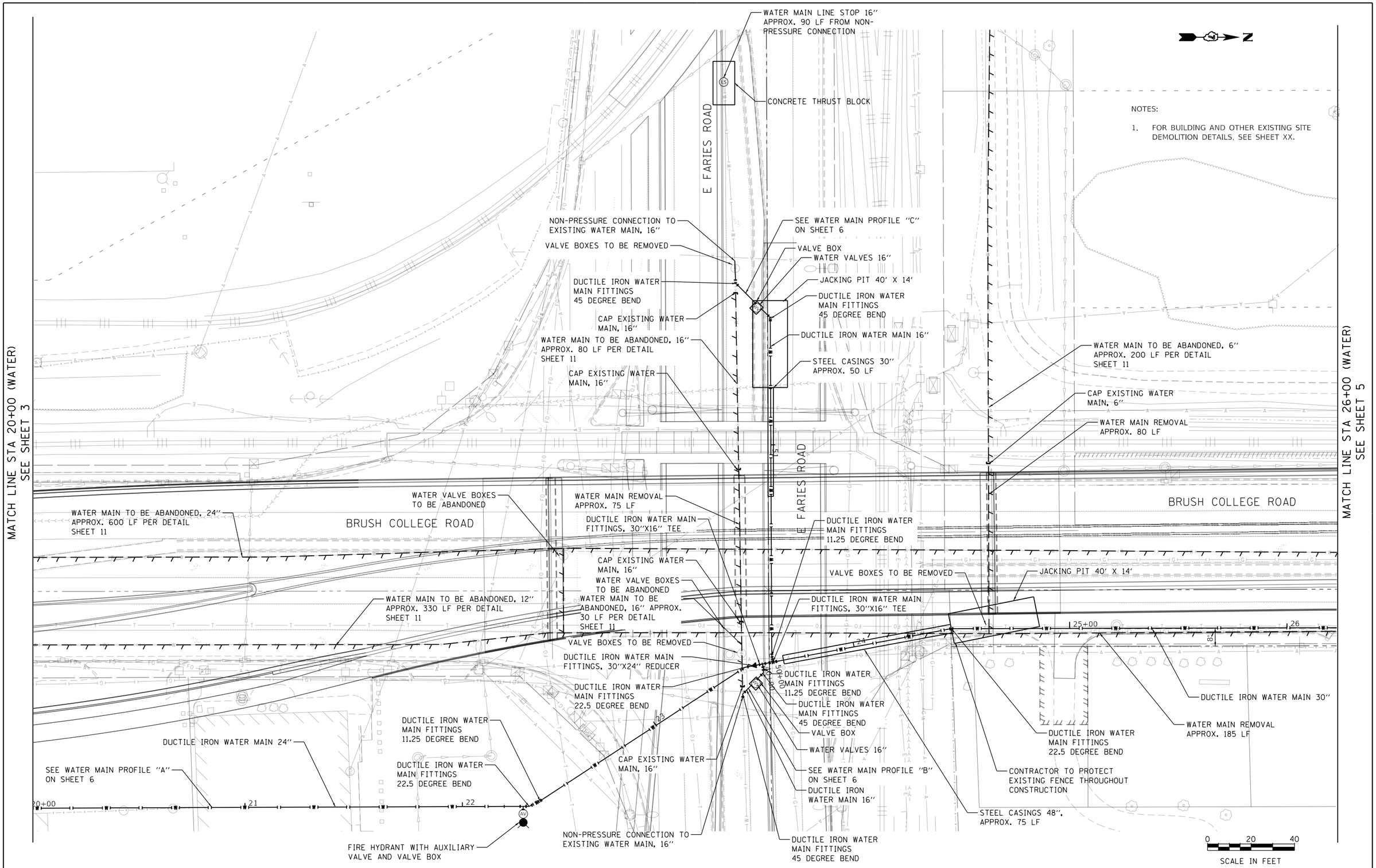
BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

SCALE: 1"=20' | SHEET 3 OF 11 SHEETS | STA. 14+00 TO STA. 20+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	317

CONTRACT NO. XXXX(XXX)

ILLINOIS | FED. AID PROJECT



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_04_Plan_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-6161
PHONE: (217) 875-4830 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

SCALE: 1"=20' | SHEET 4 OF 11 SHEETS | STA. 20+00 TO STA. 26+00

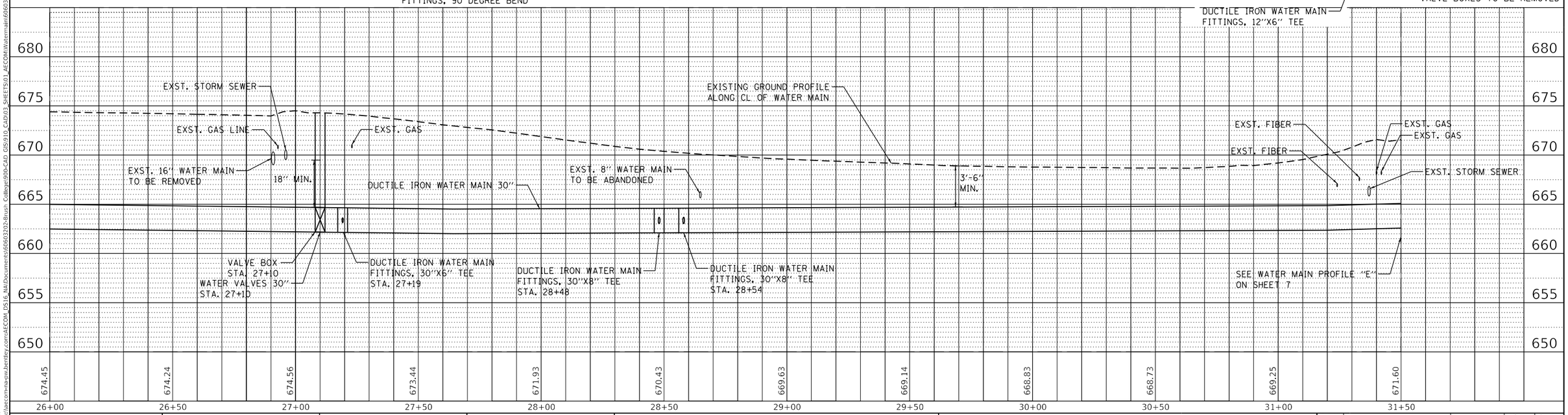
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	318
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA 26+00 (WATER) SEE SHEET 4

DUCTILE IRON WATER MAIN FITTINGS, 8"X6" REDUCER
DUCTILE IRON WATER MAIN FITTINGS, 90 DEGREE BEND
DUCTILE IRON WATER MAIN 8"
JACKING PIT 40' X 14'
WATER MAIN TO BE ABANDONED, 6" APPROX. 140 LF PER DETAIL SHEET 11
NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 6"
FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE
FIRE HYDRANTS TO BE REMOVED SEE DETAIL SHEET 11
VALVE BOXES TO BE REMOVED
CAP EXISTING WATER MAIN, 6"
NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 16"
PRESSURE CONNECTION 24"X24"
VALVE BOX
VALVE BOX
CAP EXISTING WATER MAIN, 24"
E. HARRISON AVE.
EXISTING ABANDONED 8" WATER MAIN
EXISTING GAS/TELEPHONE UTILITY TO BE ABANDONED BY OTHERS. CONTRACTOR SHALL REMOVE EXISTING GAS/TELEPHONE UTILITIES AS NEEDED FOR CONSTRUCTION.
WATER VALVES 24"
DUCTILE IRON WATER MAIN 24"
WATER MAIN TO BE ABANDONED, 24" APPROX. 578 LF PER DETAIL SHEET 11
SEE WATER MAIN PROFILE "D" ON SHEET 7
STEEL CASINGS 18", APPROX. 130 LF
DUCTILE IRON WATER MAIN FITTINGS, 30"X24" REDUCER
WATER MAIN REMOVAL, 16" APPROX. 75 LF
DUCTILE IRON WATER MAIN FITTINGS, 45 DEGREE BEND
CAP EXISTING WATER MAIN, 16"
VALVE BOX
DUCTILE IRON WATER MAIN FITTINGS, 45 DEGREE BEND
WATER VALVE BOX TO BE ABANDONED
WATER MAIN TO BE ABANDONED, 16" APPROX. 485 LF PER DETAIL SHEET 11
SEE SHEET 8 FOR SANITARY SEWER DESIGN DETAILS
DUCTILE IRON WATER MAIN FITTINGS, 30"X16" TEE
WATER VALVE BOX TO BE ABANDONED
WATER MAIN TO BE ABANDONED, 8" APPROX. 55 LF PER DETAIL SHEET 11
WATER VALVE BOX TO BE ABANDONED
CAP EXISTING WATER MAIN, 16"
FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX
DUCTILE IRON WATER MAIN FITTINGS, 30"X8" TEE
BRUSH COLLEGE ROAD
DUCTILE IRON WATER MAIN FITTINGS, 30"X12" TEE
VALVE BOX
WATER VALVES 16"
DUCTILE IRON WATER MAIN FITTINGS, 45 DEGREE BEND
CAP EXISTING WATER MAIN, 8"
CAP EXISTING WATER MAIN, 12"
DUCTILE IRON WATER MAIN 6"
VALVE BOX
VALVE BOX
WATER VALVES 30"
NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 8"
WATER VALVES 8"
DUCTILE IRON WATER MAIN FITTINGS, 90 DEGREE BEND
DUCTILE IRON WATER MAIN FITTINGS, 30"X6" TEE
DUCTILE IRON WATER MAIN FITTINGS, 45 DEGREE BEND
FIRE HYDRANTS TO BE REMOVED SEE DETAIL SHEET 11
VALVE BOX
WATER VALVES 12"
FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX
DUCTILE IRON WATER MAIN 30"
DUCTILE IRON WATER MAIN FITTINGS, 30"X8" TEE
NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 12"
DUCTILE IRON WATER MAIN FITTINGS, 45 DEGREE BEND
DUCTILE IRON WATER MAIN FITTINGS, 90 DEGREE BEND
VALVE BOX
WATER VALVES 8"
VALVE BOXES TO BE REMOVED
DUCTILE IRON WATER MAIN FITTINGS, 12"X6" TEE

26 27 28 29 30+00 31 32 33 81

0 20 40
SCALE IN FEET



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 CHKD		
NOTE BOOK NO.		

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_05_Plan_Profile_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4361
PHONE: (217) 875-4800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

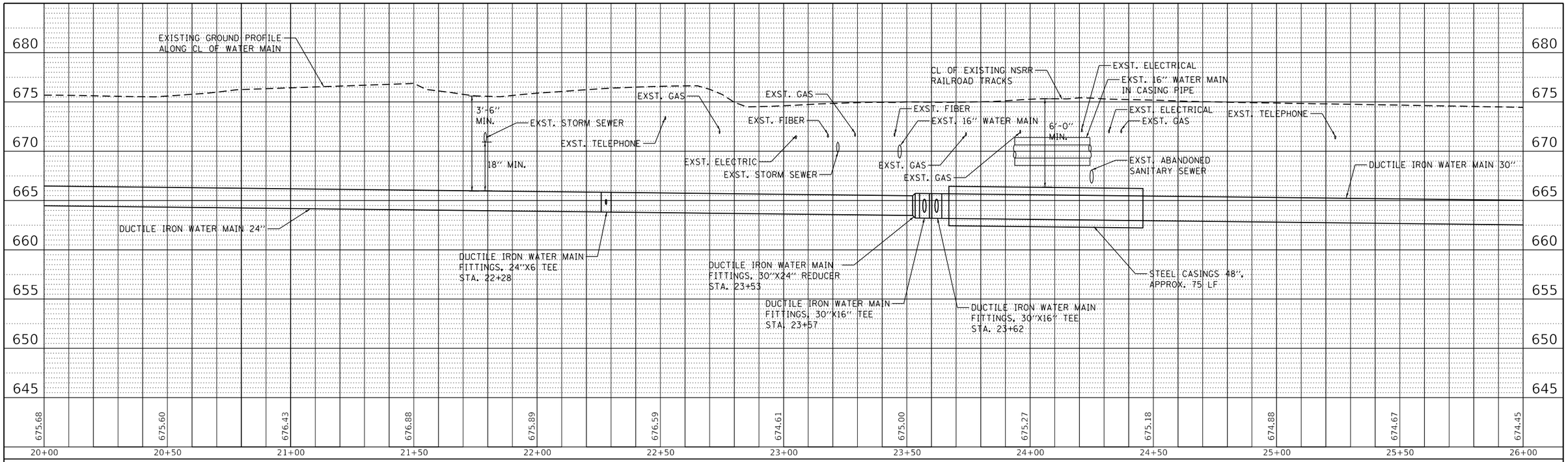
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

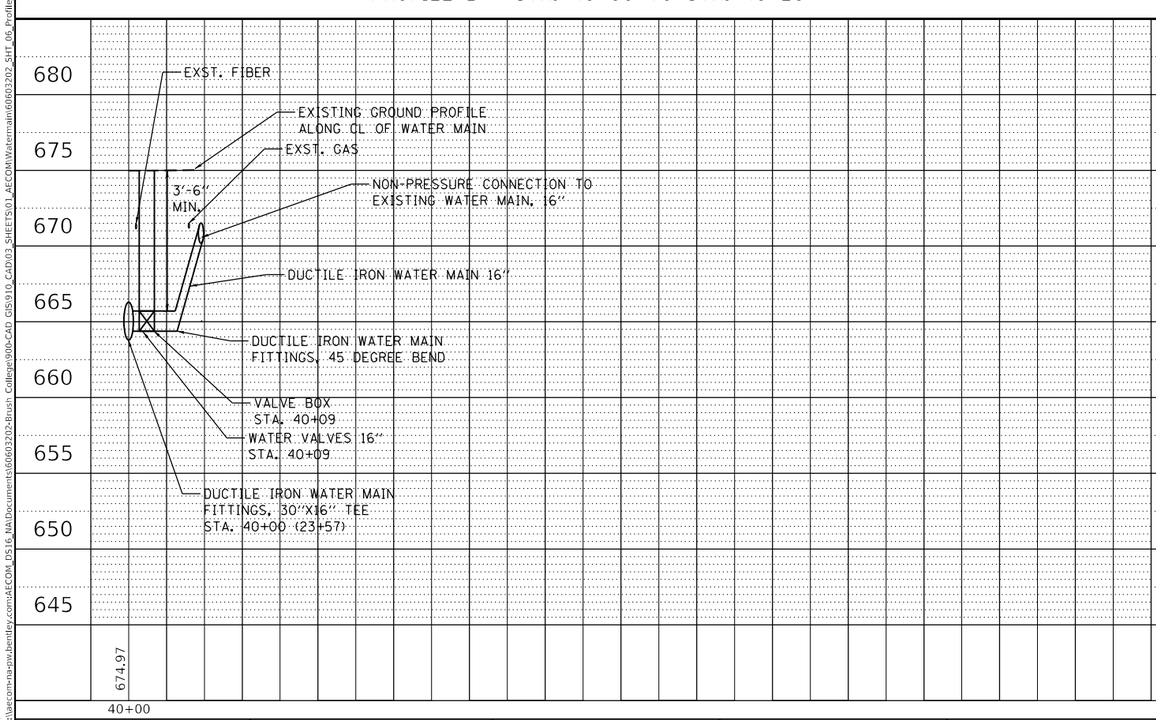
SCALE: 1"=20' | SHEET 5 OF 11 SHEETS | STA. 26+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	319
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

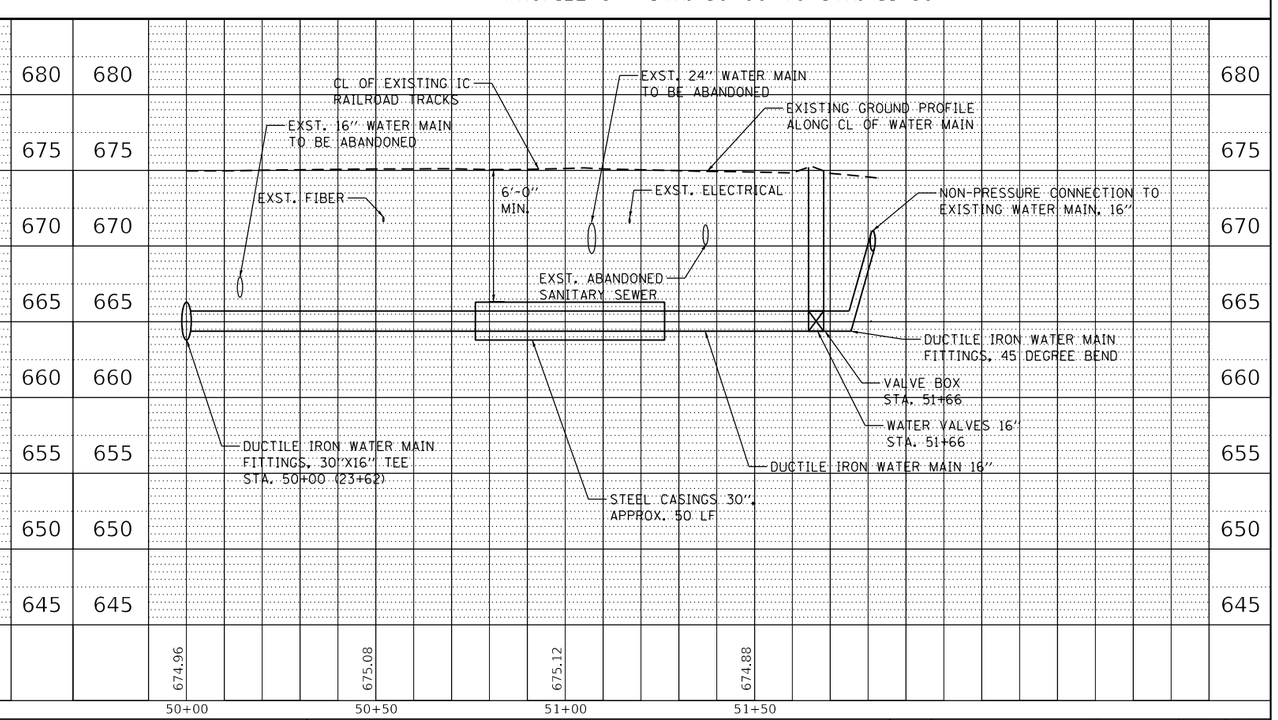
PROFILE A - STA. 20+00 TO STA. 26+00



PROFILE B - STA. 40+00 TO STA. 40+20



PROFILE C - STA. 50+00 TO STA. 51+90



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

BY	DATE

PROFILE			
NOTE BOOK NO.	SURVEYED	PLOTTED	BRK. NOTED
	GRADES CHECKED	STRUCTURE NOTAT'NS CHKD	

BY	DATE

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_06_Profile_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4161
PHONE: (217) 875-4800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -	
	DRAWN - BNH	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

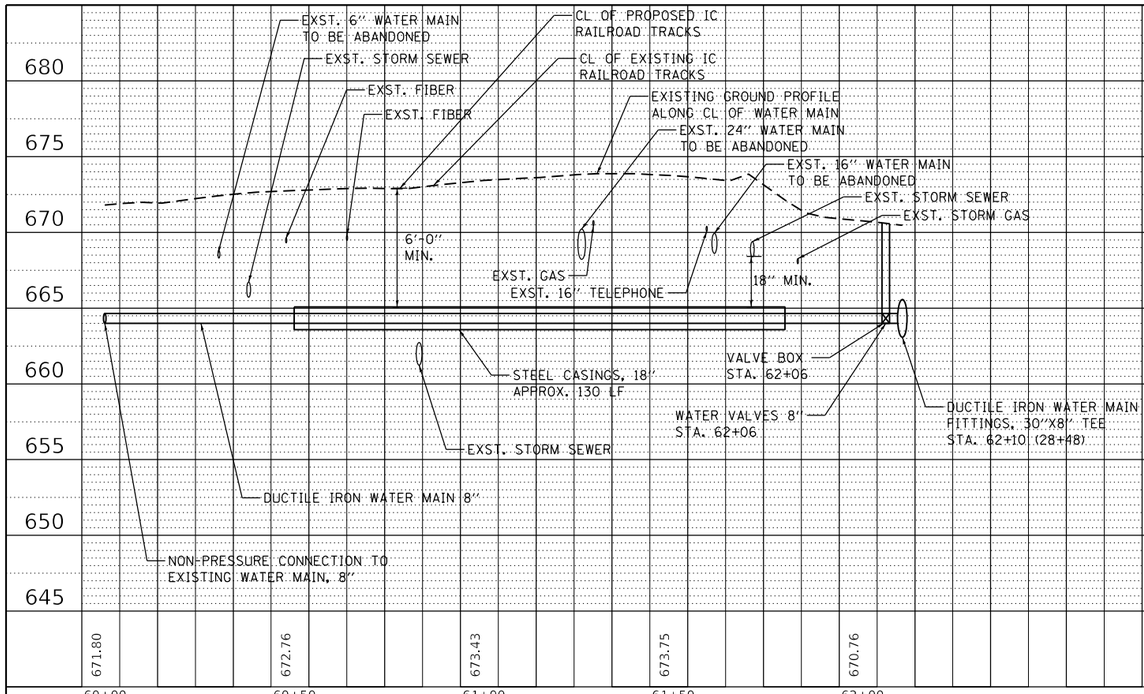
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

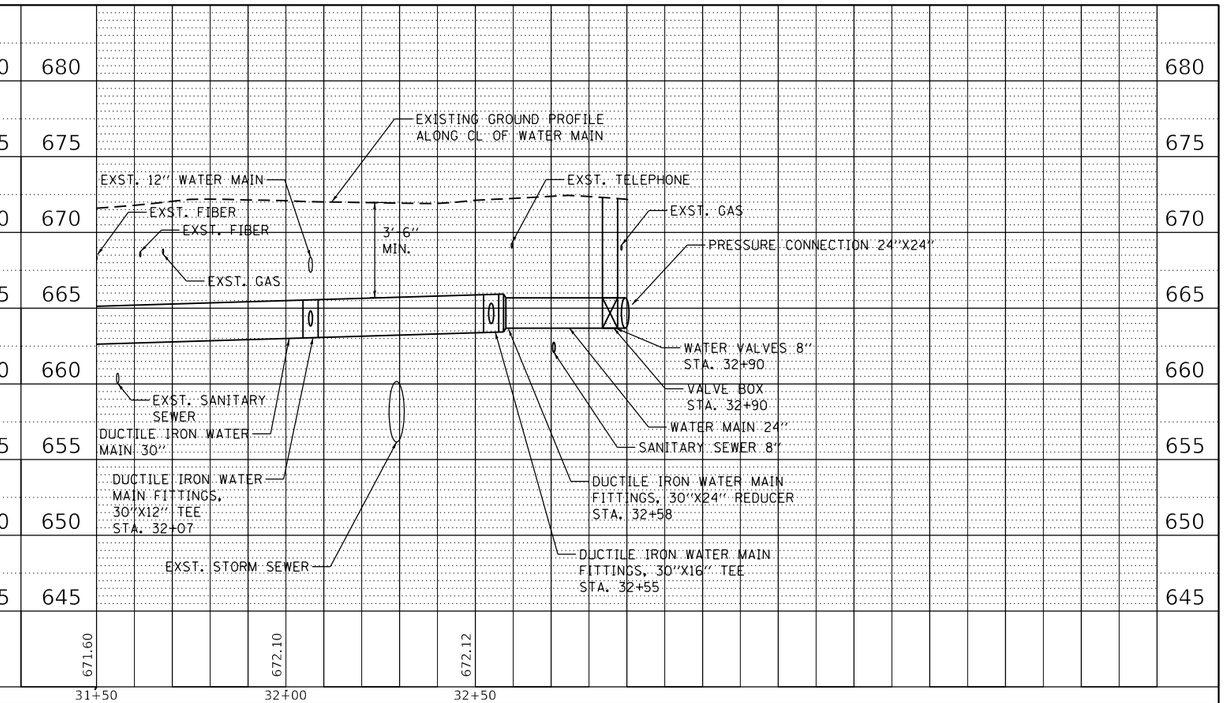
SCALE: 1"=20' | SHEET 6 OF 11 SHEETS | STA. 20+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	320
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

PROFILE D - STA. 60+00 TO STA. 62+10



PROFILE E - STA. 31+50 TO STA. 32+90



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 NOTATNS CHKD
BY
DATE

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College900-CAD GIS\910_CAD\03_SHEETS\01_AECOM\Watermain\60603202_SHT_07_Profiles_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4161
PHONE: (217) 875-4800 FAX: (217) 875-3577

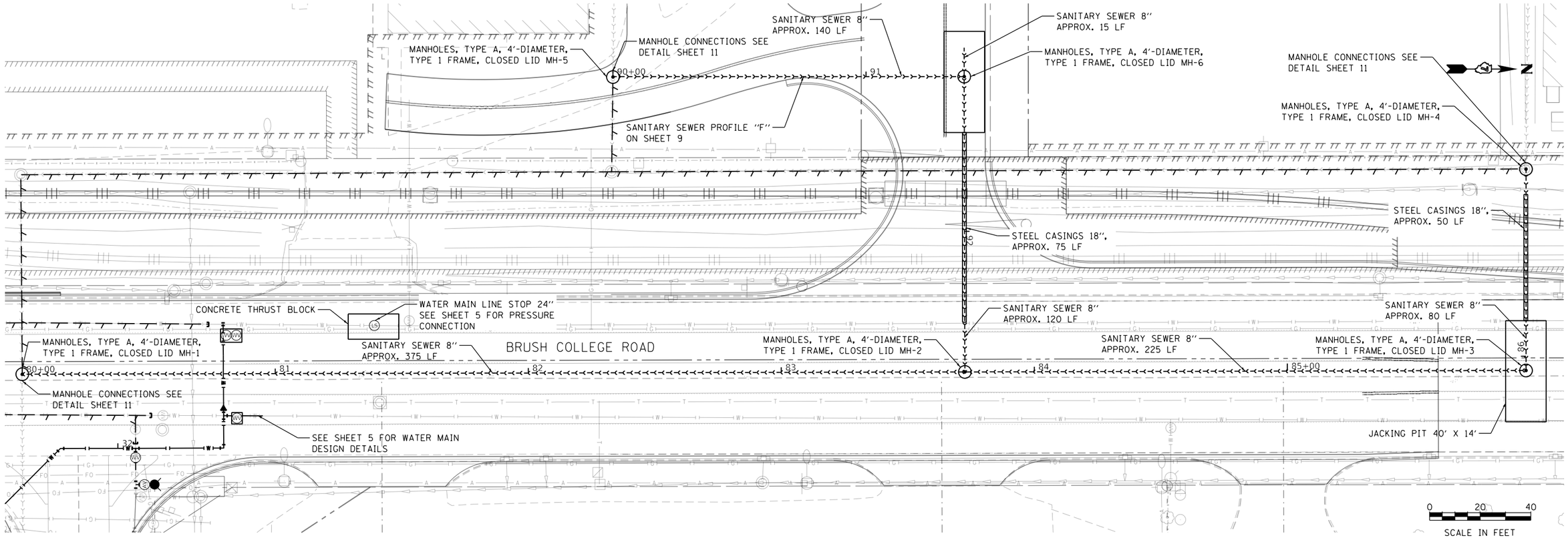
USER NAME = brooke.henry	DESIGNED - PSA	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

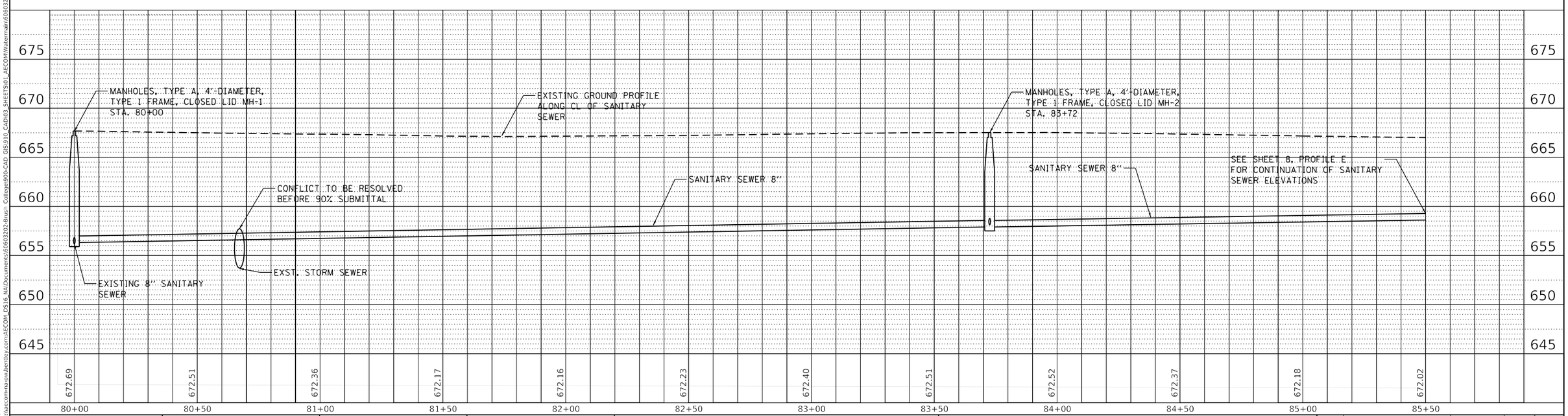
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

SCALE: 1"=20' | SHEET 7 OF 11 SHEETS | STA. MISC. TO STA. MISC.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	321
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	





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

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

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_08_Plan_Profile_Sanitary.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-6161
PHONE: (217) 875-1800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

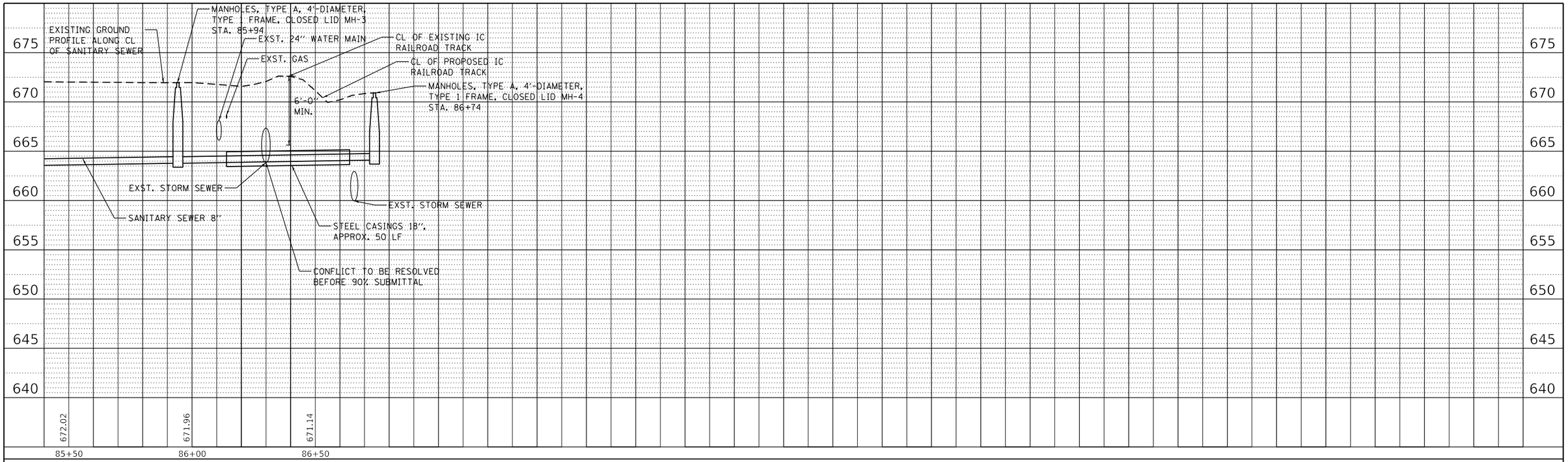
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

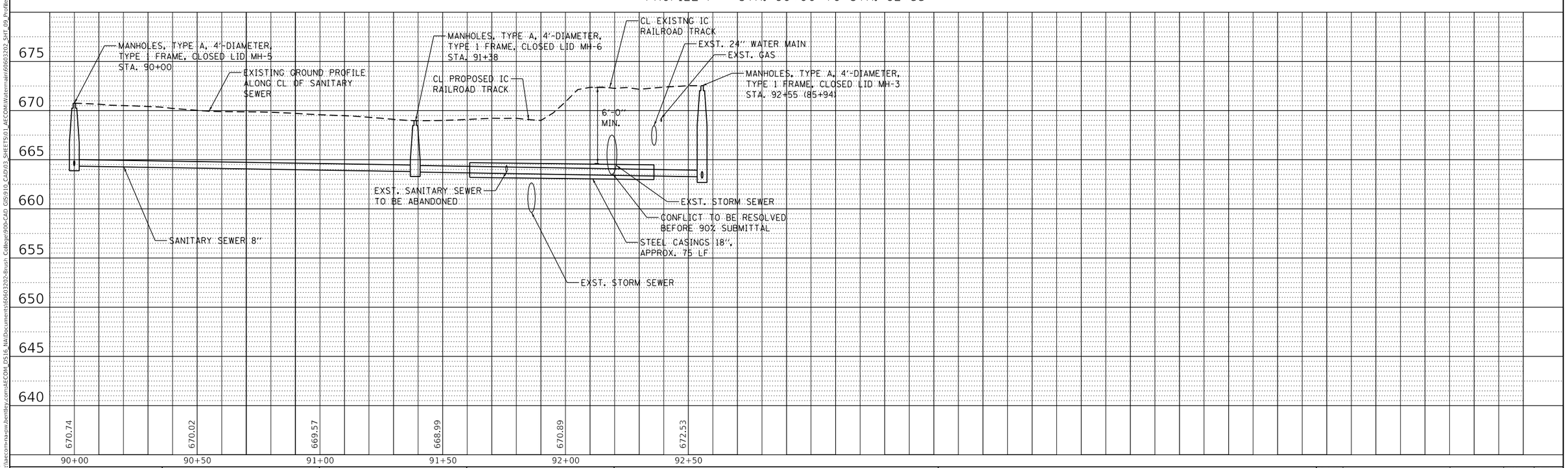
SCALE: 1"=20' | SHEET 8 OF 11 SHEETS | STA. 80+00 TO STA. 85+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	322
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

PROFILE E - STA. 85+50 TO STA. 86+65



PROFILE F - STA. 90+00 TO STA. 92+55



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

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

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_09_Profiles_Sanitary.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-4161
PHONE: (217) 875-4800 FAX: (217) 875-3577

USER NAME = brooke.henry	DESIGNED - PSA	REVISED -
	DRAWN - BNH	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RB	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

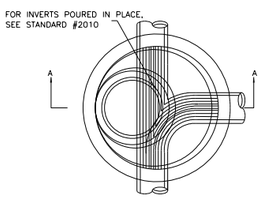
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
WATER MAIN & SANITARY SEWER RELOCATION PLAN

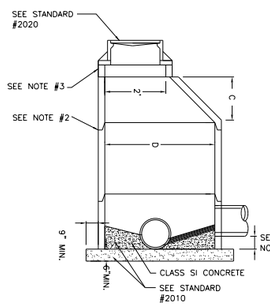
SCALE: 1"=20' | SHEET 9 OF 11 SHEETS | STA. MISC. TO STA. MISC.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7448	09-00933-01-BR	MACON	572	323
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

STANDARD DESIGN
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.

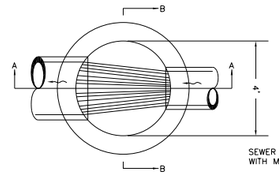
GENERAL NOTES:

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.

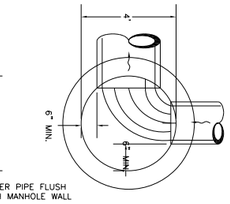
ALTERNATE MATERIALS FOR WALLS	D	C*	T (MIN.)
PRECAST REINFORCED CONCRETE RISERS	4'-0"	2'-6"	4"
	5'-0"	3'-9"	5"
MONOLITHIC CONCRETE	4'-0"	2'-6"	6"
	5'-0"	3'-9"	6"

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

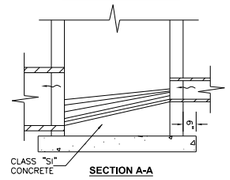
STANDARD DESIGN
MANHOLE DETAILS



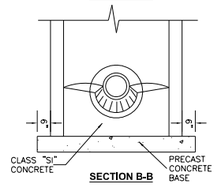
SECTION PLAN
CHANGE IN SEWER SIZE



SECTION PLAN
90° BEND IN SEWER



SECTION A-A

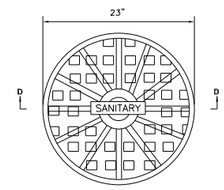


SECTION B-B

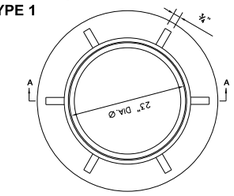
NOTES:

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.

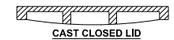
STANDARD DESIGN
FRAME AND LIDS
TYPE 1



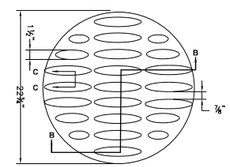
PLAN



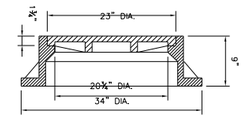
PLAN



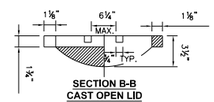
CAST CLOSED LID
SECTION D-D



PLAN



SECTION A-A
CAST FRAME



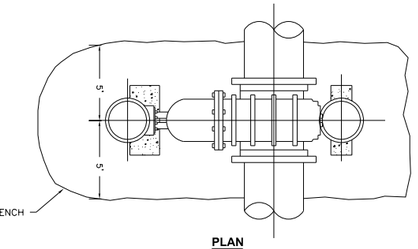
SECTION B-B
CAST OPEN LID

SECTION C-C

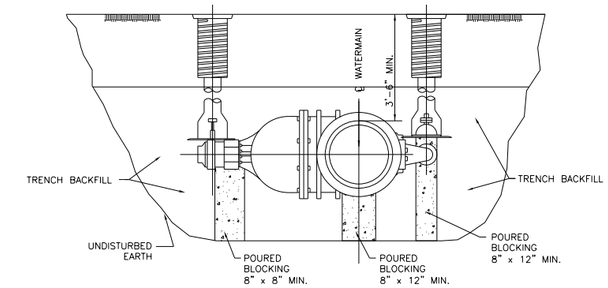
NOTES:

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.

STANDARD DESIGN
WATERMAIN VALVES 16" & LARGER



PLAN

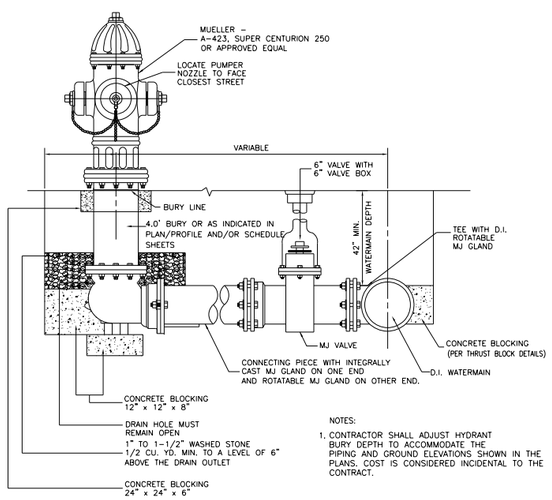


ELEVATION

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.

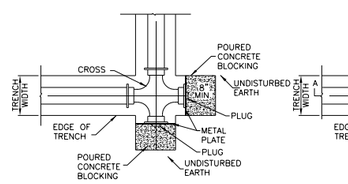
STANDARD DESIGN
TYPICAL FIRE HYDRANT SETTING



NOTES:

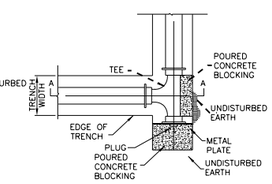
1. CONTRACTOR SHALL ADJUST HYDRANT BURY DEPTH TO ACCOMMODATE THE PIPING AND GROUND ELEVATIONS SHOWN IN THE PLANS. COST IS CONSIDERED INCIDENTAL TO THE CONTRACT.

STANDARD DESIGN
CONCRETE BLOCKING
WATERMAIN - 6" TO 10"



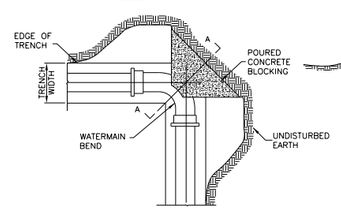
FOR CROSSES & PLUGS

PLAN



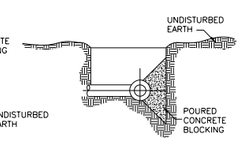
FOR TEES & PLUGS

PLAN



FOR WATERMAIN BENDS

PLAN

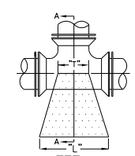


SECTION A-A

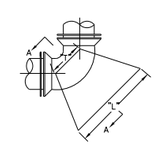
NOTES:

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.

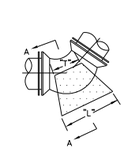
STANDARD DESIGN
CONCRETE BLOCKING
WATERMAIN - 12" TO 42"



TEE

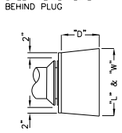


90° BENDS



45° & 22½° BENDS

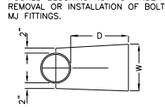
PLACE 16 GAUGE SHEET METAL PLATE BEHIND PLUG



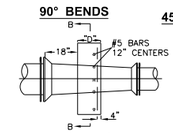
PLUG

NOTES:

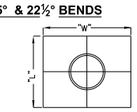
1. DEPTH "D" MAY BE GREATER THAN SPECIFIED TO ALLOW WORKING SPACE. BLOCK MUST BE POURED AGAINST UNDISTURBED EARTH.
2. POURED BLOCKING NOT TO HINDER REMOVAL OR INSTALLATION OF BOLTS ON MJ FITTINGS.



SECTION A-A



REDUCER



SECTION B-B

	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"		

BLOCKING DIMENSION

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_10_Detail_Sheet1_Watermain.dgn

AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, IL 62526-6161
PHONE: (217) 875-4800 FAX: (217) 875-3577

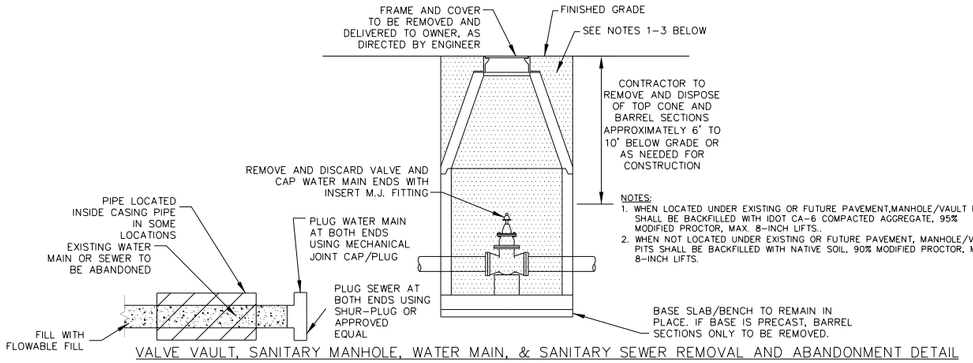
USER NAME = brooke.henry	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN & SANITARY SEWER RELOCATION PLAN
DETAIL SHEET 1

SCALE: NTS | SHEET 10 OF 11 SHEETS | STA. N/A | TO STA. N/A

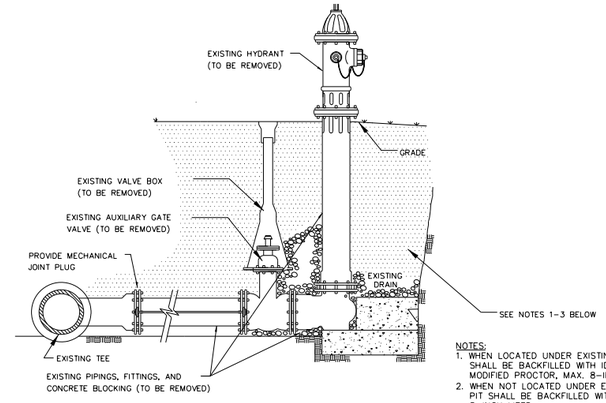
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	324
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		



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.

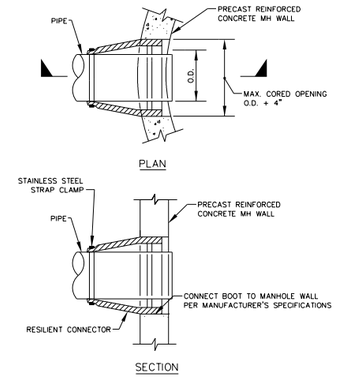
VALVE VAULT, SANITARY MANHOLE, WATER MAIN, & SANITARY SEWER REMOVAL AND ABANDONMENT DETAIL

NO SCALE



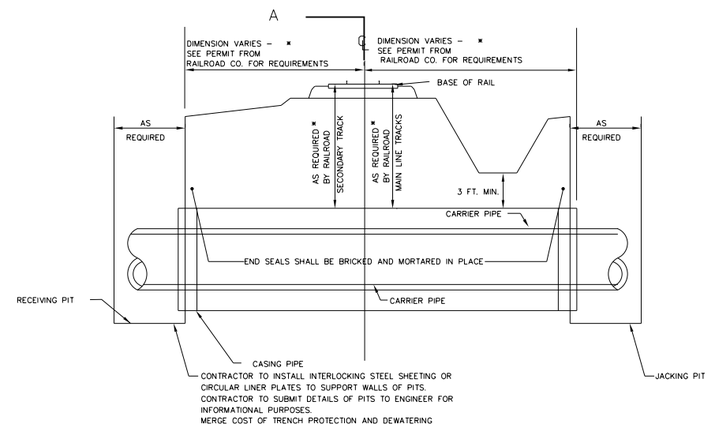
NOTES:
1. WHEN LOCATED UNDER EXISTING OR FUTURE PAVEMENT, FIRE HYDRANT PIT SHALL BE BACKFILLED WITH IDOT CA-6 COMPACTED AGGREGATE, 95% MODIFIED PROCTOR, MAX. 8-INCH LIFTS..
2. WHEN NOT LOCATED UNDER EXISTING OR FUTURE PAVEMENT, MANHOLE/VAULT PIT SHALL BE BACKFILLED WITH NATIVE SOIL, 90% MODIFIED PROCTOR,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

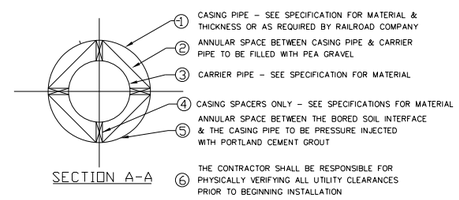
FIRE HYDRANT ABANDONMENT



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 LRETH PM LTR-SYM SQ FT	MOD LRETH PM LINE 4 FOOT	MOD LRETH PM LINE 6 FOOT	MOD LRETH PM LINE 8 FOOT	MOD LRETH PM LINE 12 FOOT	MOD LRETH 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	82		25		27	28		
2	BRUSH	52+00.00	57+75.00	110	20	816	199	32	72	11		31	
3	BRUSH	57+75.00	62+50.00	73	1393	643		60		22		13	
4	BRUSH	62+50.00	68+00.00		1040	275		48		42		17	
5	BRUSH	68+00.00	73+50.00	94	918	294		194	12	28		7	
6	BRUSH	73+50.00	76+25.97	129	344	196			12	12			
7	FARIES	205+18.73	208+00.00			59				3		12	
8	FARIES	208+00.00	213+25.00	282		284			144	13		26	
9	FARIES	213+25.00	219+00.00	146		1472	171	37	88	11		35	
10	FARIES	219+00.00	224+75.00	146		688				11		48	
11	FARIES	224+75.00	230+50.00	37	1179	337		38		39		29	
12	FARIES	230+50.00	235+41.47	37	1859	177		77		51			
13	JUG	301+75.00	306+50.00	401		1284	381	729	98	13		163	INCLUDES BRUSH COLLEGE RD & FARIES PKWY INTERSECTIONS
14	LOGAN	601+50.00	607+50.00		1658	146		225	28			16	INCLUDES CONNECTOR RD & N JAMES ST INTERSECTIONS
15	JAMES	404+27.90	407+75.00	37	1228	143		315	70				INCLUDES FARIES PKWY INTERSECTION
16	HARRISON W	800+00.00	804+50.00		782								
17	HARRISON W	804+50.00	808+00.00	62	1416				86				INCLUDES BRUSH COLLEGE RD INTERSECTION & BUSINESS DRIVES
18	HARRISON E	701+00.00	705+00.00		437				19				INCLUDES BRUSH COLLEGE RD INTERSECTION
19	HARRISON E	705+00.00	708+41.73		342								
19	CEMETERY	900+00.00	904+52.12						25				
TOTAL				1554	14078	6896	751	1770	654	283	26	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	49+61.3	RT	D3-2	ADVANCE STREET NAMES (2 LINES)	60	30	-	12.5	31.0	FARIES PKWY NEXT RIGHT - TWO POSTS
				51+36.2	RT	R3-23	ALL TURNS FROM RIGHT LANE	60	36	-	15.0	32.0	TWO POSTS
2	BRUSH	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	BRUSH	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	BRUSH	62+50.00	68+00.00	63+62.2	RT	SPECIAL			36	0.0	-	32.0	ST JOHNS LUTHERAN CEMETERY, NEXT RIGHT - TWO POSTS
5	BRUSH	68+00.00	73+50.00	68+62.2	RT	SPECIAL			36	0.0	-	32.0	ST JOHNS LUTHERAN CEMETERY (RIGHT ARROW) - TWO POSTS
				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
				70+00.0	LT	SPECIAL			36	0.0	-	32.0	ST JOHNS LUTHERAN CEMETERY (LEFT ARROW) - 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+34.4	LT	R8-10a	STOP HERE WHEN FLASHING	24	30	5.0	-	16.0	
6	BRUSH	73+50.00	76+25.97	74+39.5	LT	R3-7R	RIGHT LANE MUST TURN RIGHT	36	36	9.0	-	16.0	
				76+26.0	LT	SPECIAL			36	0.0	-	32.0	ST JOHNS LUTHERAN CEMETERY, NEXT LEFT - TWO POSTS
SUB-TOTAL										76.5	47.0	419.0	

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College@900-CAD GIS\910_CAD\03_SHEETS\044KASKASKIA\Pavement Marking Plans\60603202_SHT_PMK-Sign_01_Schedules-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 - LDC	REVISED -	
	DRAWN - RJO	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD & FARIES PARKWAY
PAVEMENT MARKING & SIGNING SCHEDULES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	326
		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	FARIES	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
				212+15.2	RT	R3-23	ALL TURNS FROM RIGHT LANE	60	36	-	15.0	32.0	TWO POSTS
9		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)	60	30	-	12.5	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)	72	18	9.0	-	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	-		
				602+00.0	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	D-3	STREET NAME	48	12	4.0	-	19.0	N JAMES ST
						D-3	STREET NAME	48	12	4.0	-		E LOGAN ST
						R1-1	STOP SIGN	36	36	7.0	-		
						R1-3P	ALL WAY	18	6	0.8	-		
				408+86.2	RT	D-3	STREET NAME	48	12	4.0	-	19.0	N JAMES ST
						D-3	STREET NAME	60	12	5.0	-		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	-		
				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	300.6	80.3	736.0
SUB-TOTAL PAGE 1	76.5	47.0	419.0
TOTAL	377	127	1155

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

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_02_Schedules-02.dgn

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 = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

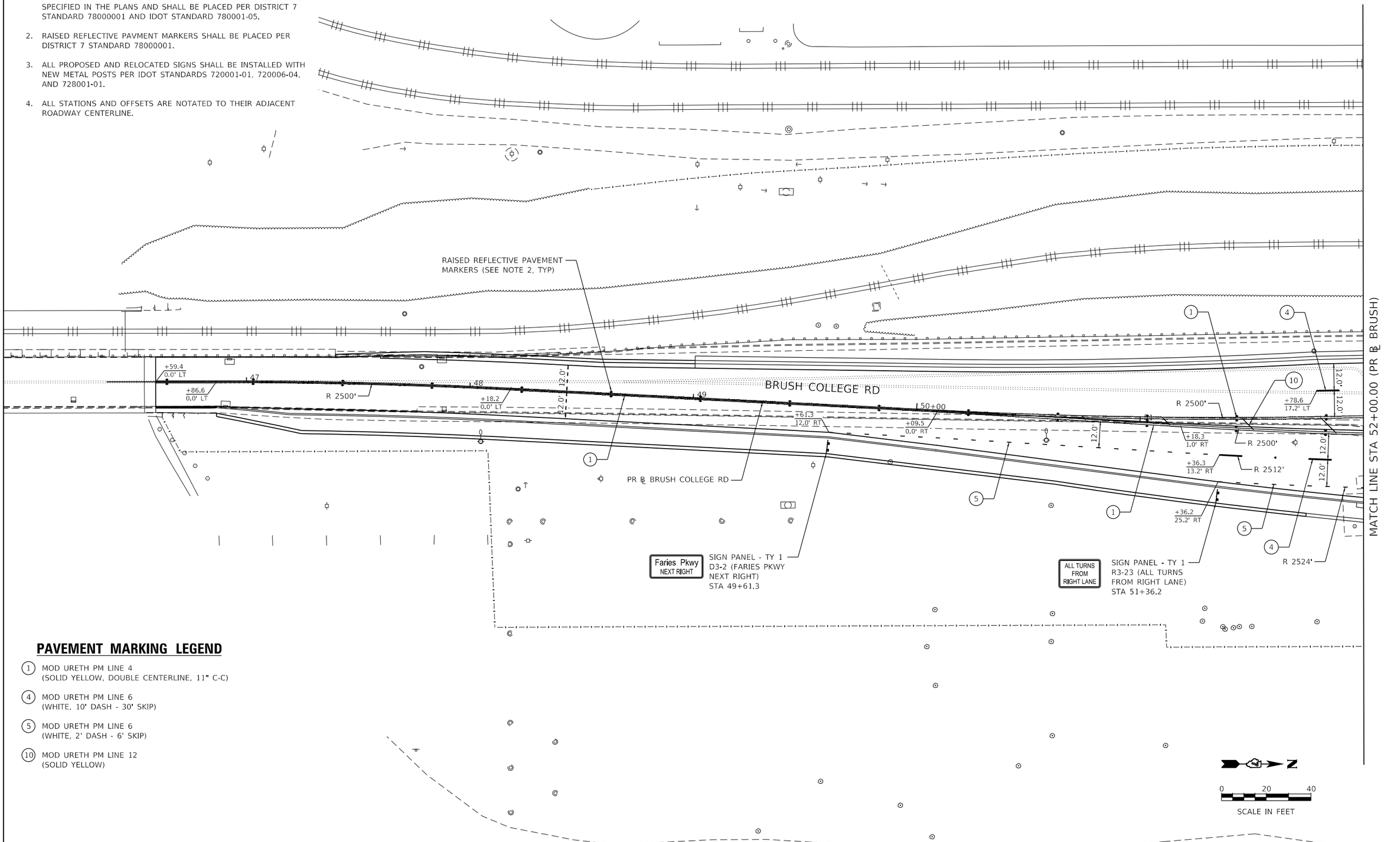
BRUSH COLLEGE ROAD & FARIES PARKWAY
PAVEMENT MARKING & SIGNING SCHEDULES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	327
		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)

(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 -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

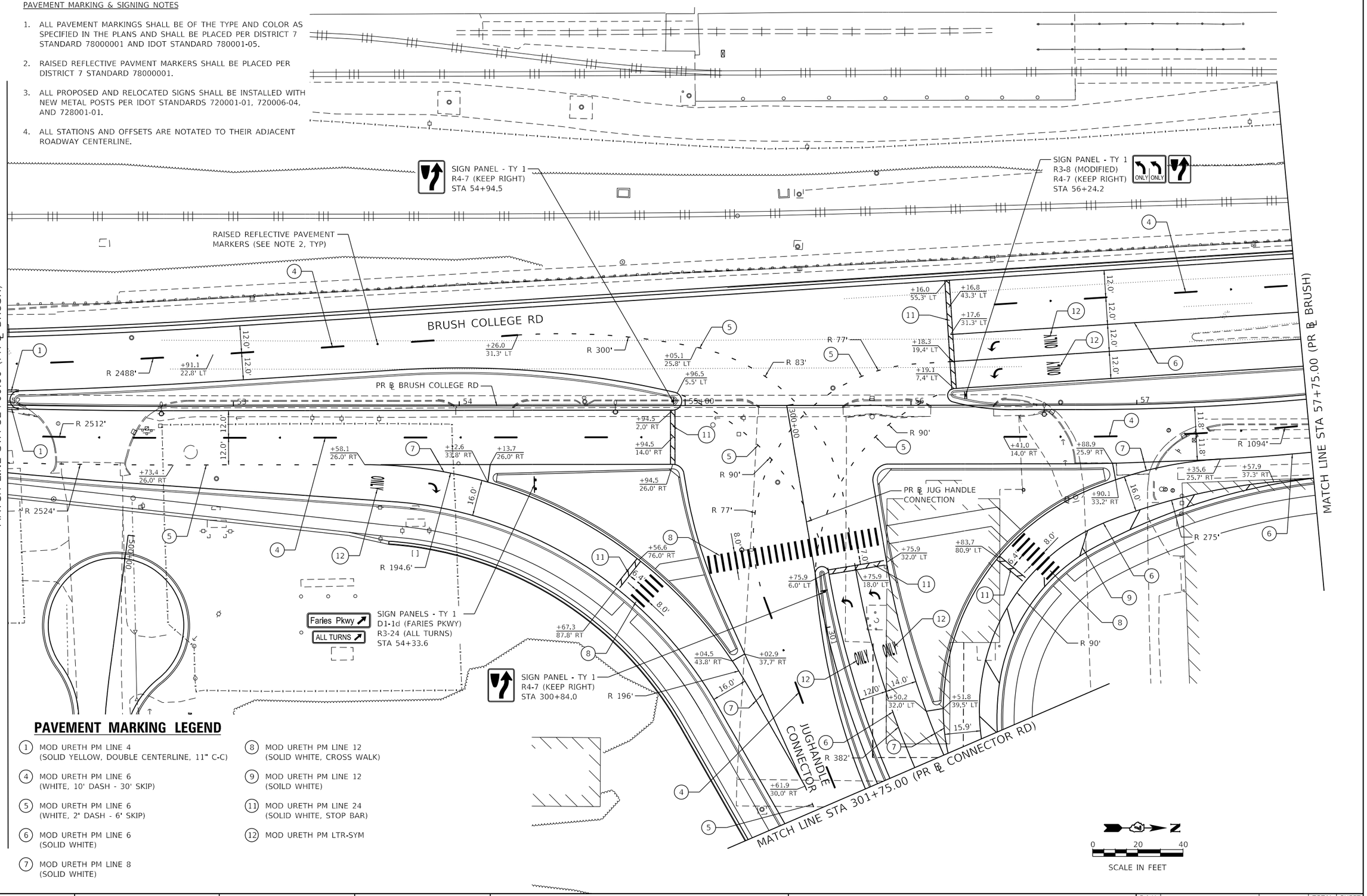
BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

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.
	09-00933-01-BR	MACON	572	328
		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-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_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 = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

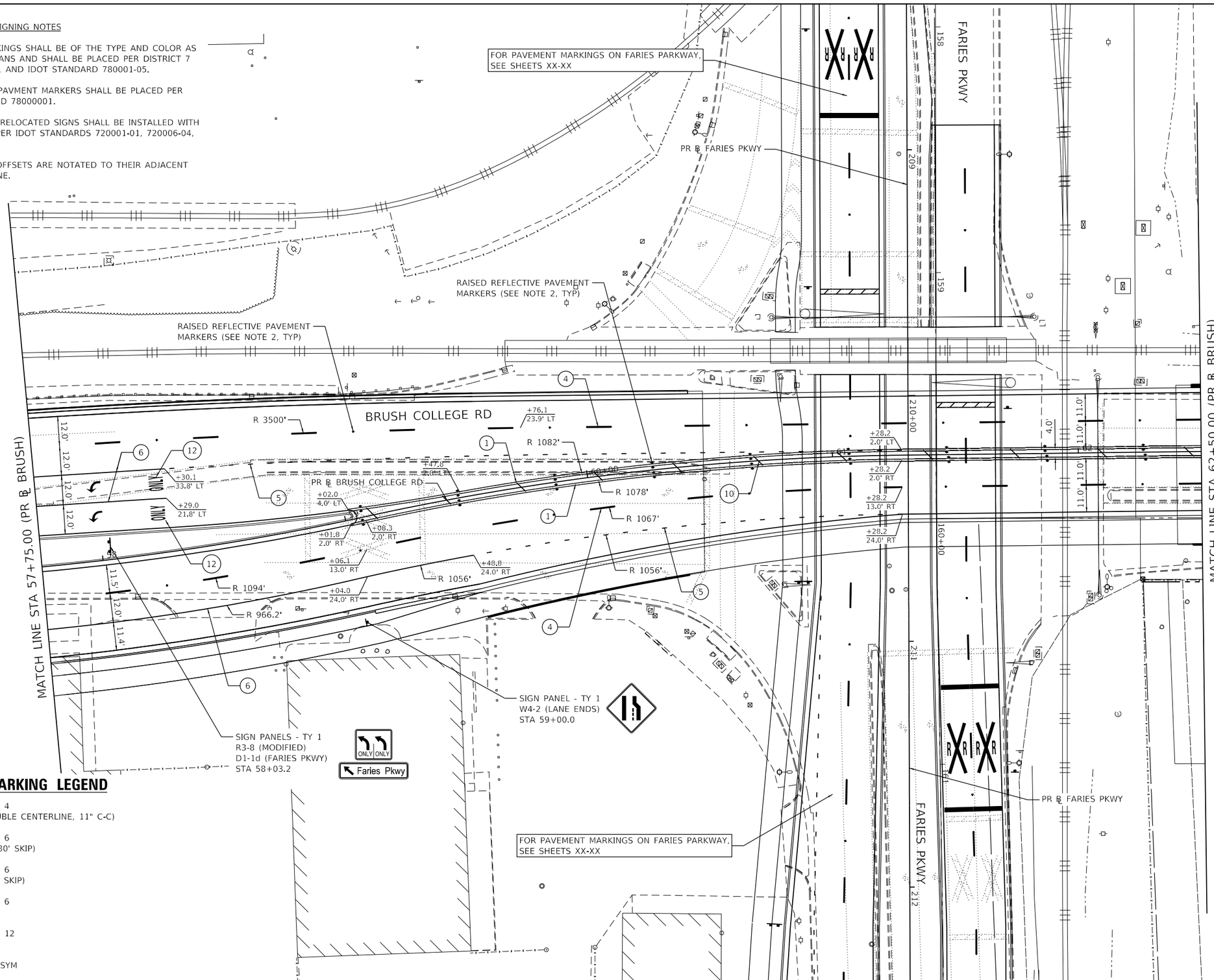
BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

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.
	09-00933-01-BR	MACON	572	329
	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 -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 3 OF 20 SHEETS | STA. 57+75.00 TO STA. 62+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	330
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

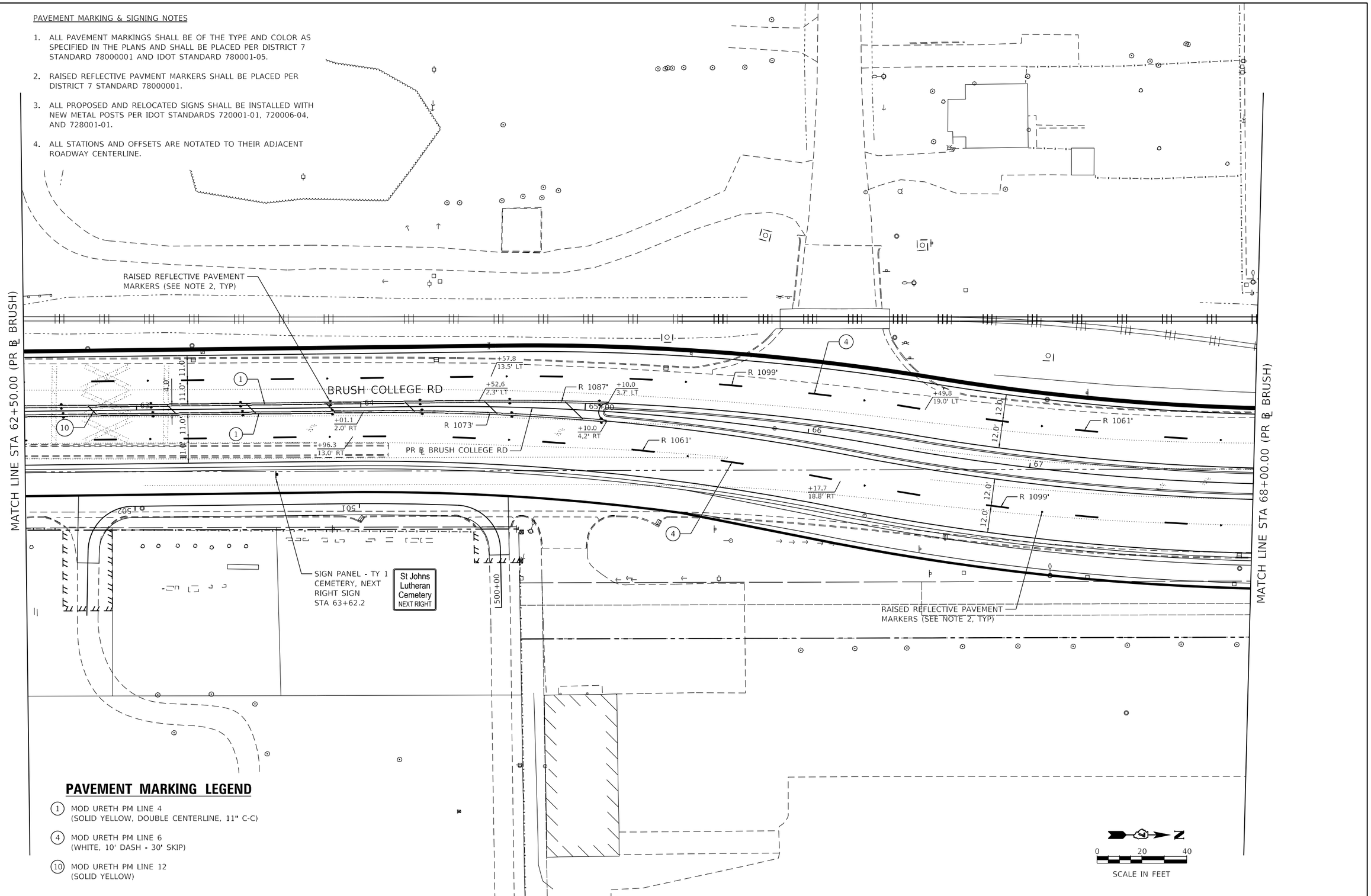
PAVEMENT MARKING & SIGNING NOTES

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)

(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_04_Brush-04.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 -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 4 OF 20 SHEETS | STA. 62+50.0 TO STA. 68+00.00

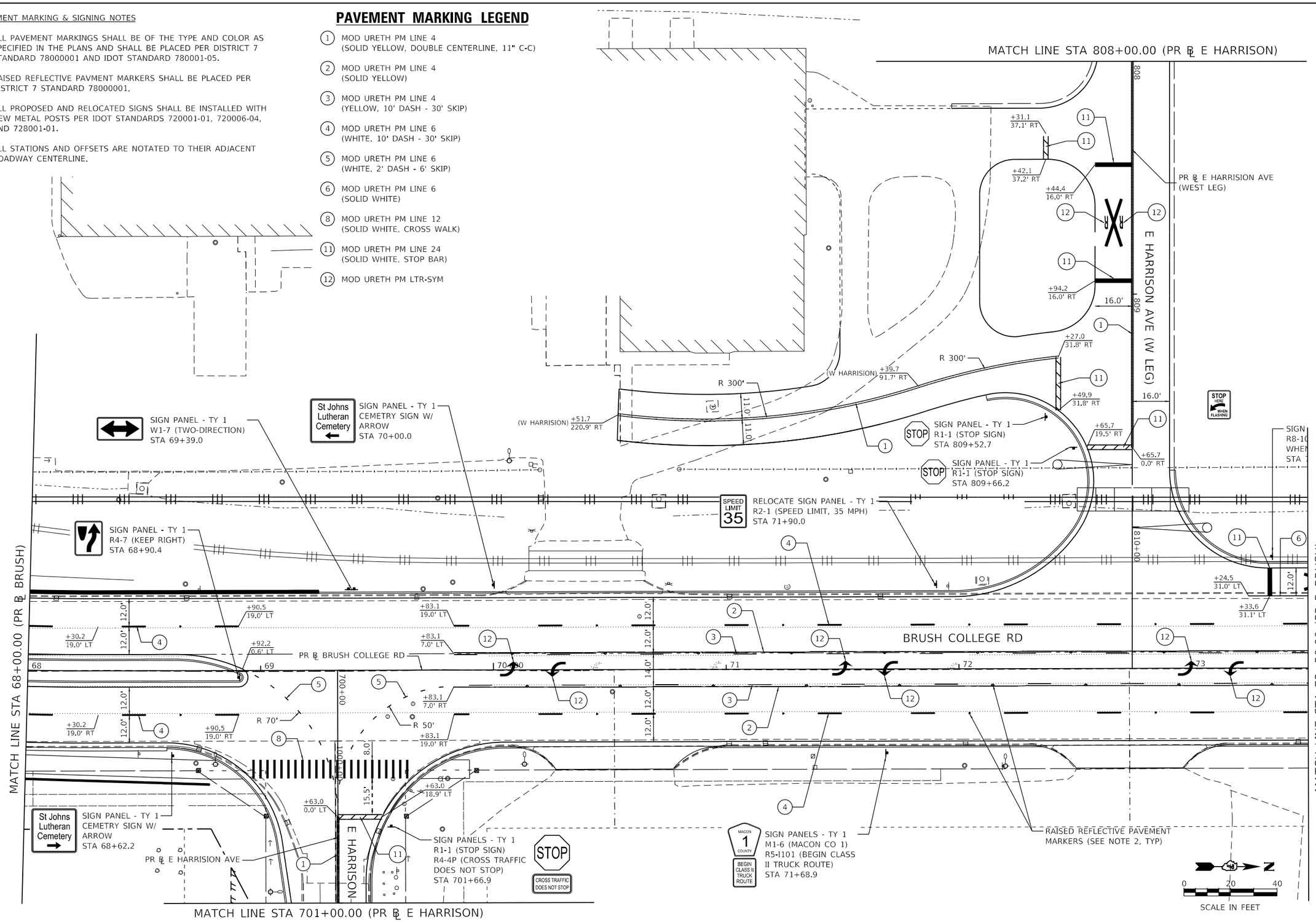
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	331
		CONTRACT NO. XXXX(XXX)		
	ILLINOIS	FED. AID PROJECT		

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)
(2) MOD URETH PM LINE 4 (SOLID YELLOW)
(3) MOD URETH PM LINE 4 (YELLOW, 10' DASH - 30' SKIP)
(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)
(8) MOD URETH PM LINE 12 (SOLID WHITE, CROSS WALK)
(11) MOD URETH PM LINE 24 (SOLID WHITE, STOP BAR)
(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_05_Brush-05.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 -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSH COLLEGE ROAD
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 5 OF 20 SHEETS | STA. 68+00.00 TO STA. 73+50.00

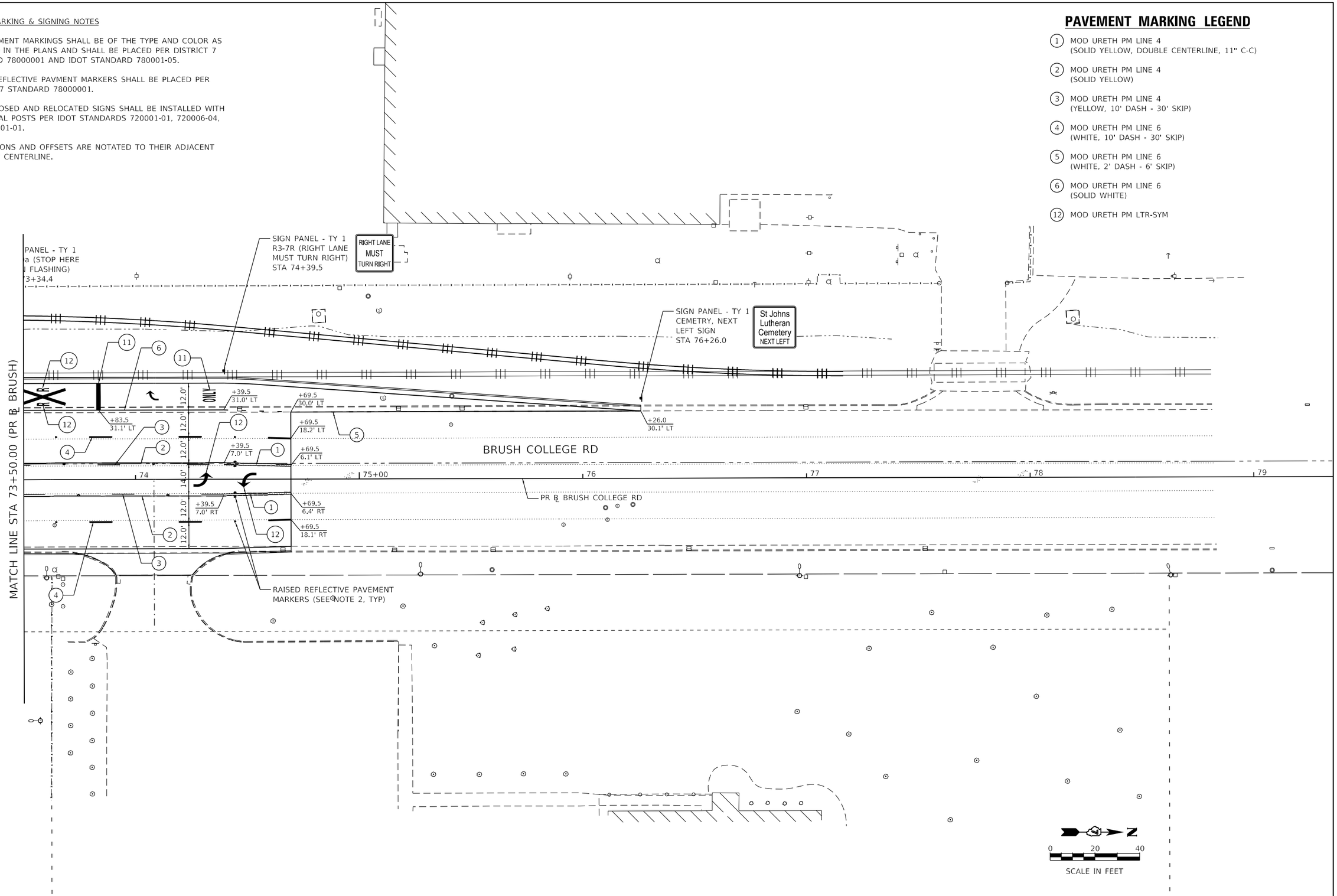
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	332
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	

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)
2. MOD URETH PM LINE 4 (SOLID YELLOW)
3. MOD URETH PM LINE 4 (YELLOW, 10' DASH - 30' SKIP)
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)
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_06_Brush-06.dgn

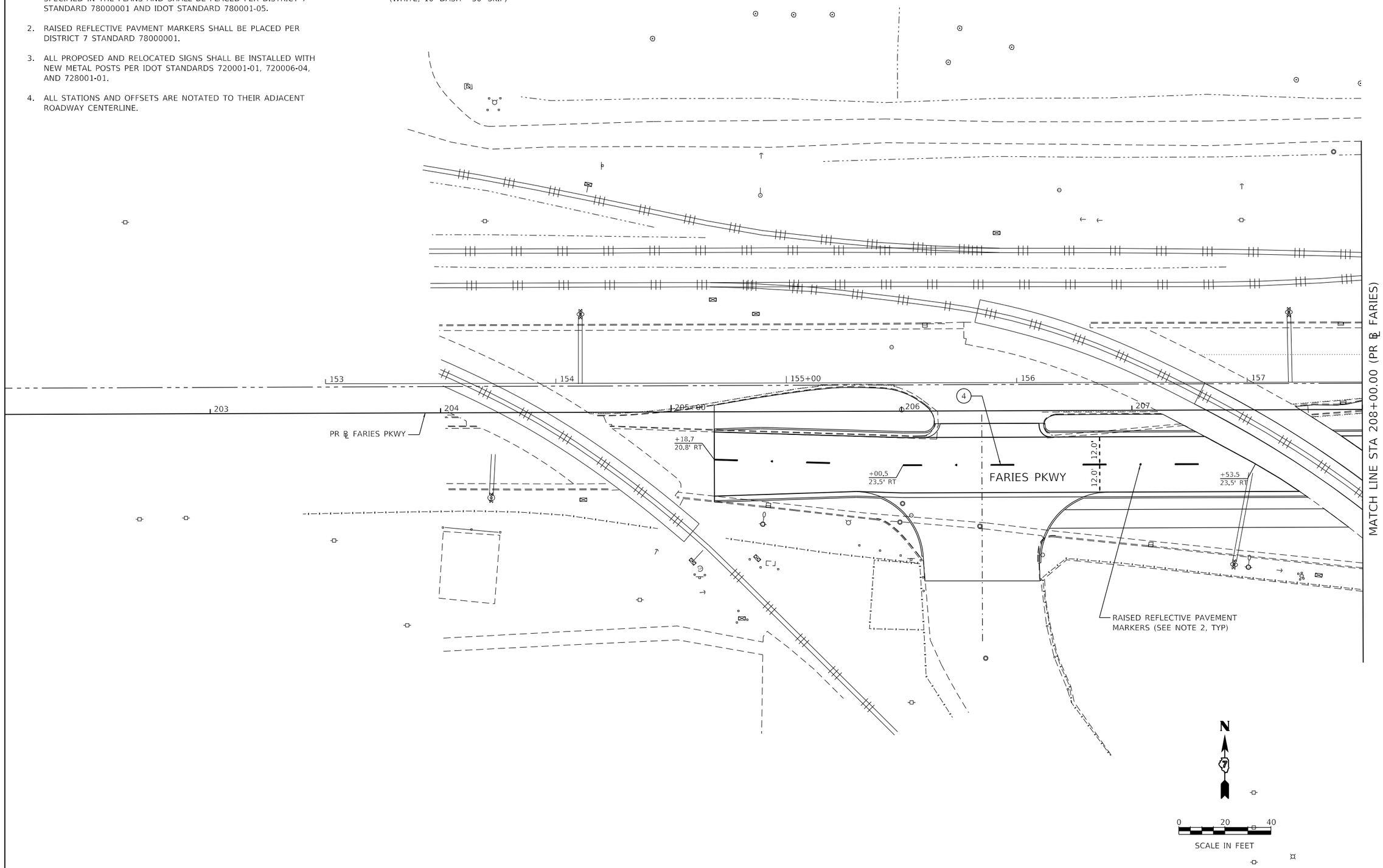
Kaskaskia Engineering Group, LLC PROFESSIONAL REGISTRATIONS — LICENSE NO. Illinois Professional Design Firm — 184.004773 Professional Engineering Group — 20-5080586	USER NAME = rjo	DESIGNED - NDP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRUSH COLLEGE ROAD PAVEMENT MARKING & SIGNING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - NDP	REVISED -				09-00933-01-BR	MACON	572 / 333
	PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -					CONTRACT NO. XXXX(XXX)	
	PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -		SCALE: 1"=20' / SHEET 6 OF 20 SHEETS / STA. 73+50.00 TO STA.		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

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



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_07_Faries-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 -	
	DRAWN - NDP	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -	
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

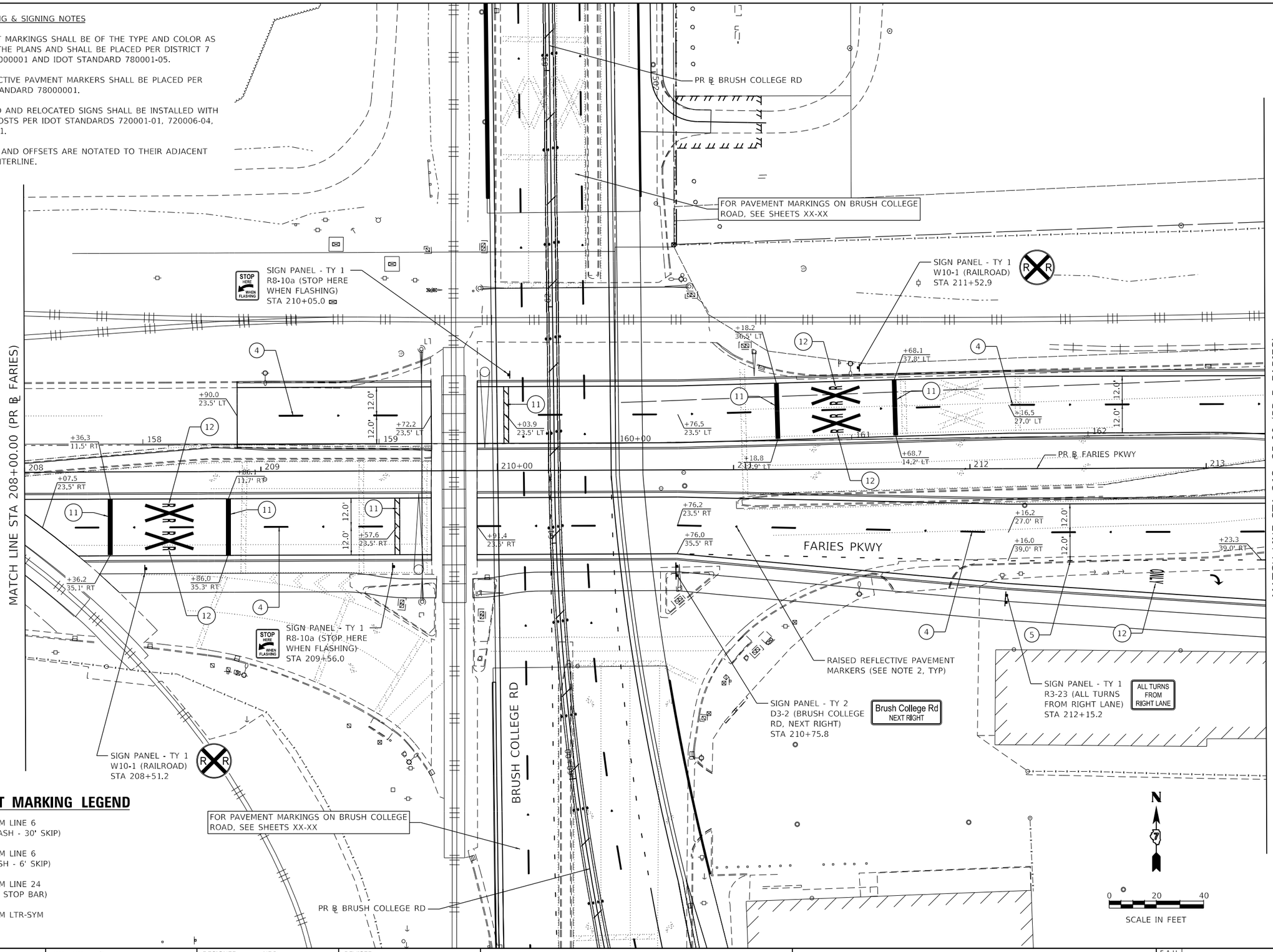
FARIES PARKWAY
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 7 OF 20 SHEETS | STA. 205+18.77 TO STA. 208+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	334
		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

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

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

(11) MOD URETH PM LINE 24 (SOLID WHITE, STOP BAR)

(12) MOD URETH PM LTR-SYM

MODEL: Default
FILE NAME: pw:\\aecom-na-pw.bentley.com:AECOM_DS16_NA\Documents\60603202-Brush College@90b-CAD GIS\910_CAD\03_SHEETS\04-KASKASKIA\Pavement Marking Plans\60603202_SHT_PMK-Sign_08_Faries-02.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 -
	DRAWN - NDP	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - LDC	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FARIES PARKWAY
PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=20' | SHEET 8 OF 20 SHEETS | STA. 208+00.00 TO STA. 213+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00933-01-BR	MACON	572	335
		CONTRACT NO. XXXX(XXX)		
		ILLINOIS	FED. AID PROJECT	