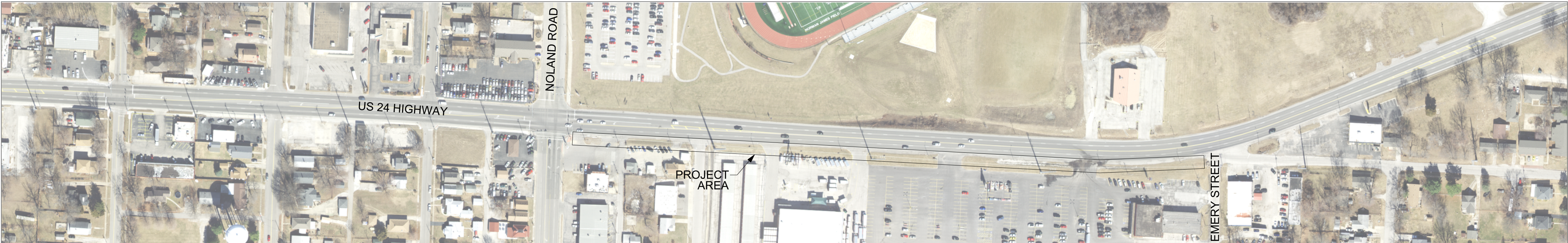




INDEPENDENCE
★ WATER DEPARTMENT ★

US 24 HIGHWAY WATER MAIN RELOCATION
N. NOLAND ROAD TO N. EMERY STREET



UTILITY CONTACTS

AT&T	MARK MANION 500 E. 8TH ST., ROOM 1152 KANSAS CITY, MO 64106 (816) 275-2341
AT&T LTE GIG	ZACK ZUPPAN (816) 275-3393
AT&T LEGACY	LENNY VOHS 1425 OAK ST., ROOM 1 KANSAS CITY, MO 64106 (816) 275-4014
COMCAST	ANDY BELL 4700 LITTLE BLUE PARKWAY INDEPENDENCE, MO 64057 (816) 795-2255
SPIRE	KATELYNN LIBERTY 3025 SE CLOVER DR. LEE'S SUMMIT, MO 64082 (816) 260-6581
INDEP. POWER & LIGHT	LEE DONNER 21500 E. TRUMAN RD. INDEPENDENCE, MO 64056 (816) 325-7450
INDEP. WATER DEPT.	ASHTON ENGLAND 17221 E. 23RD ST. INDEPENDENCE, MO 64057 (816) 325-7654
WATER POLLUTION CONTROL (STORM & SANITARY) SEWER MAINT. DIVISION	JEFF CONWAY 14909 E. TRUMAN RD. INDEPENDENCE, MO 64050 (816) 325-7727

WATER NOTES:

1. MATERIALS AND CONSTRUCTION SHALL CONFORM WITH THE CITY OF INDEPENDENCE, MISSOURI WATER DEPARTMENT STANDARDS FOR WATER MAIN INSTALLATION.
2. ALL PIPES SHALL BE LAID TO A COVER DEPTH OF AT LEAST 42 INCHES, BUT NO MORE THAN 60 INCHES BELOW PROPOSED FINISH GRADE.
3. ALL PIPE, FITTINGS, FIRE HYDRANT LEADS, AND VALVES SHALL HAVE POLYETHYLENE ENCASEMENTS PROVIDED AND INSTALLED IN ACCORDANCE WITH AWWA STANDARDS.
4. THE CONTRACTOR TO LAY THE NEW MAIN WITHIN 5 FEET OF THE TIE-IN LOCATION TO THE EXISTING MAIN. THE CONTRACTOR SHALL CONTACT THE INDEPENDENCE WATER DEPARTMENT A MINIMUM OF 96 HOURS IN ADVANCE FOR FINAL CONNECTION (SEE DETAIL SHEET).
5. ALL PIPE AND FITTINGS TO BE PUSH-ON DUCTILE IRON. 6 INCH, 8 INCH, and 12 INCH DIAMETER PIPE TO BE CLASS 52.
6. ALL PIPE BENDS AND FITTINGS SHALL HAVE FIELD-LOK GASKETS AS REQUIRED (SEE DETAIL SHEET).
7. THE CENTERLINE OF THE WATER MAIN MUST BE STAKED WITH CUT STAKES EVERY 100' BY THE CONTRACTOR OR DEVELOPER BEFORE CONSTRUCTION MAY BEGIN.
8. THE CONTRACTOR IS RESPONSIBLE FOR VERTICAL AND HORIZONTAL ALIGNMENT WITH THE EXISTING MAIN.
9. ALL INSPECTION OF WATER MAIN INSTALLATION SHALL BE PERFORMED BY THE CITY OF INDEPENDENCE WATER DEPARTMENT.
10. NO EXISTING UTILITIES HAVE BEEN LOCATED BY THE INDEPENDENCE WATER DEPARTMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
11. 10' SEPARATION FROM ALL SANITARY AND STORM SEWER LINES AND STRUCTURES IS TO BE MAINTAINED AT ALL POINTS ALONG THE PROPOSED WATER MAIN.
12. SIZE AND LOCATION OF PROPOSED WATER MAIN AND APPURTENANCES IS TO BE PROVIDED BY THE INDEPENDENCE WATER DEPARTMENT.
13. ALL WATER MAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS MANUAL OF THE CITY OF INDEPENDENCE.
14. THE CONTRACTOR SHALL PROVIDE HTH TO GIVE A 50 PPM SOLUTION WHEN THE WATER MAIN IS FILLED WITH WATER BY THE INDEPENDENCE WATER DEPARTMENT.
15. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT FIRE HYDRANTS ARE NOT INSTALLED IN DRIVEWAYS AND/OR SIDEWALKS, AND THAT THE PUMPER NOZZLE FACES THE STREET.
16. THE ENGINEERING COMPANY SHALL PROVIDE ALL EASEMENT DESCRIPTIONS TO THE WATER DEPARTMENT. ALL REQUIRED EASEMENTS MUST BE GRANTED TO THE WATER DEPARTMENT PRIOR TO THE BEGINNING OF ANY WATER MAIN CONSTRUCTION.
17. ALL NEW FIRE HYDRANTS INSTALLED BY THE CONTRACTOR SHALL BE ORANGE WITH BLACK NOZZLE CAPS WITH THE FOLLOWING COATINGS: BENJAMIN MOORE & CO. INDUSTRIAL MAINT. COATING, ORANGE-M22-65, BLACK-M22-82.

APPROVED:

Date CITY OF INDEPENDENCE WATER DEPARTMENT

APPROVED:

Date CITY OF INDEPENDENCE FIRE DEPARTMENT

GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PROPERTY CORNERS AND CONTROL POINTS. SHOULD IT BE NECESSARY TO DISTURB ANY SUCH MONUMENT, WHETHER STAKE, PIN, BAR, DISK BOX OTHER, ETC. IT REMAINS THE RESPONSIBILITY OF THE CONTRACTOR TO REFERENCE SUCH MARKERS PRIOR TO REMOVAL, RESET THEM, AND FILE SUCH MONUMENT AS THE LAW MAY REQUIRE. ANY SUCH REFERENCE, REMOVAL, REPLACEMENT AND CERTIFICATION OF MONUMENTS SHALL BE PERFORMED BY A MISSOURI LICENSED PROFESSIONAL LAND SURVEYOR. A COPY OF ALL SUCH CERTIFICATION DOCUMENTATION SHALL BE PROVIDED TO THE WATER DEPARTMENT INSPECTOR PRIOR TO FINAL PAYMENT.
2. ALL DRIVEWAYS ON US 24 HIGHWAY TO BE REPAIRED WITH 6" OF REINFORCED CONCRETE (4000 PSI) FROM STREET TO R/W PER THE CITY OF INDEPENDENCE, MO PUBLIC WORKS MANUAL. SEE DETAIL.
3. CONTRACTOR TO MAKE ALL ROAD REPAIRS AND CLEANUP PER CITY OF INDEPENDENCE REQUIREMENTS.
4. CONTRACTOR WILL BE RESPONSIBLE FOR ANY STEEL PLATES THAT MAY BE REQUIRED TO ALLOW ROAD TO REMAIN OPEN.
5. WATER DEPARTMENT WILL BE RESPONSIBLE FOR OPERATING ALL VALVES AND RE-FILLING WATER MAINS.
6. CONTRACTOR RESPONSIBLE FOR POT-HOLING ALL EXISTING UTILITY LINES AND SANITARY SEWER LINES TO DETERMINE DEPTHS IN CONFLICT WITH WATER MAINS.
7. CONTRACTOR RESPONSIBLE FOR REMOVAL OF ALL EXISTING METER WELLS AND CURB BOXES ONCE ALL SERVICE LINES HAVE BEEN CHANGED OVER TO NEW WATER MAINS PER DETAIL.
8. CONTRACTOR RESPONSIBLE FOR REMOVING ALL EXISTING FIRE HYDRANTS, VALVE BOXES ON ABANDONED MAIN ONCE NEW WATER MAIN IS IN SERVICE. CONTRACTOR RESPONSIBLE FOR MAKING ALL REPAIRS WHERE APPURTENANCES HAVE BEEN REMOVED.
9. CONTRACTOR RESPONSIBLE FOR MAKING SURE ALL CULVERT PIPES ARE CLEAR OF DEBRIS AND ABLE TO FLOW WATER. IF NOT, CONTRACTOR IS TO CLEAN OUT CULVERT PIPES, AS NEEDED.
10. CONTRACTOR TO WIPE DOWN ALL PIPING AT TIE-IN POINTS WITH 50PPM HTH.

MAYOR:
COUNCIL MEMBERS:

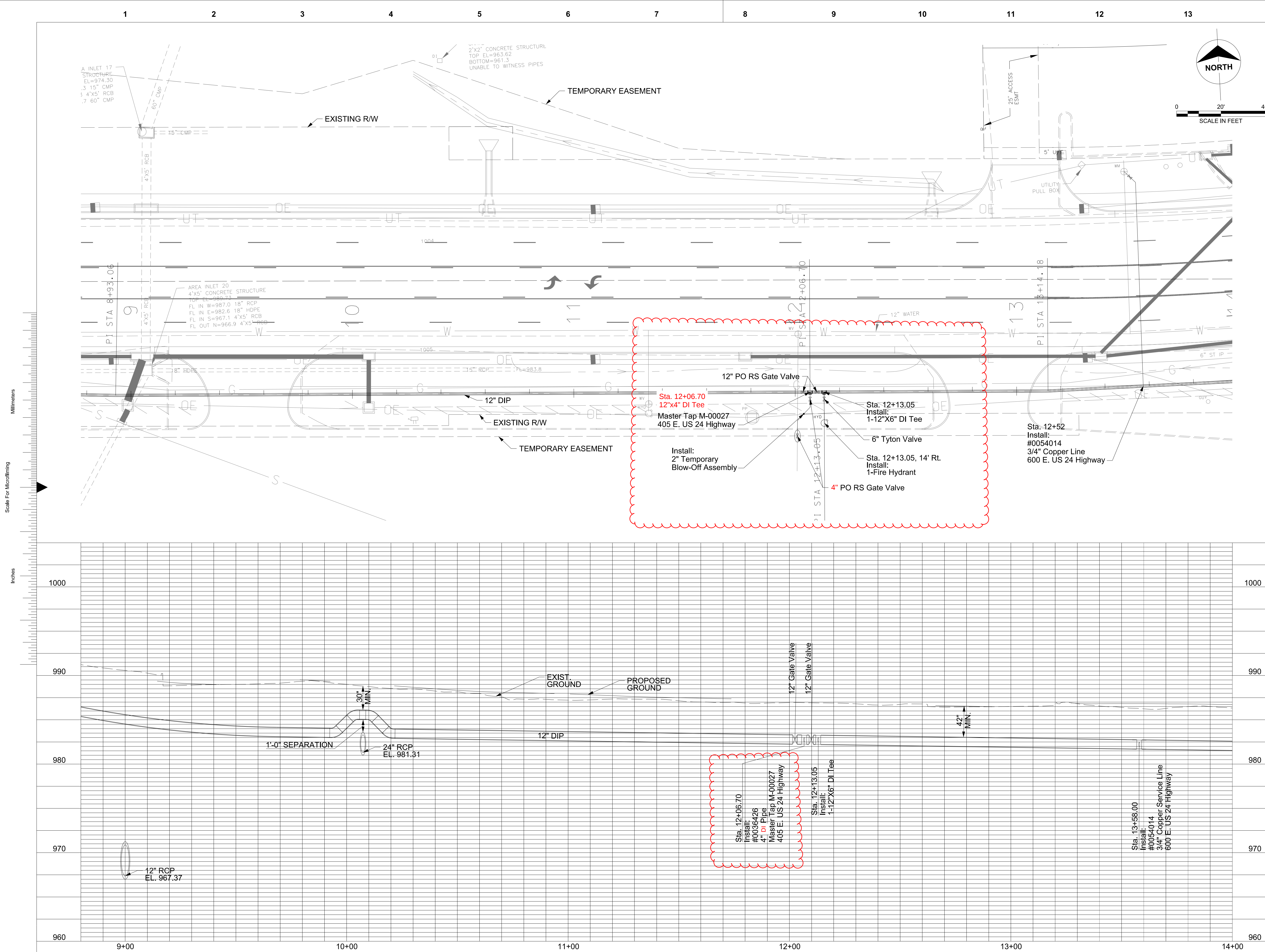
EILEEN WEIR
JOHN PERKINS
BRICE STEWART
MIKE STEINMEYER
DAN HOBART
MIKE HUFF
KAREN DELUCCIE
ZACHARY WALKER
DAN MONTGOMERY

CITY MANAGER:
WATER DEPT. DIRECTOR:

no.	date	by	ckd	description



9400 WARD PARKWAY
KANSAS CITY, MISSOURI 64114
816-333-9400



no.	date	by	ckd	description
 BURNS MCDONNELL 9400 WARD PARKWAY KANSAS CITY, MO 64114 816-333-9400				
date DECEMBER 21, 2021		detailed L. RAINEY		
designed R. WILLIAMS		checked M. HERLETH		
 INDEPENDENCE * WATER DEPARTMENT *				
US 24 HIGHWAY 12" MAIN REPLACEMENT PLAN AND PROFILE STA. 8+80 TO STA. 14+00				
project 141991		contract 21000653		
drawing C003		rev.		
sheet 4		of 5		sheets
file 141991_C003_P&P.DGN				

