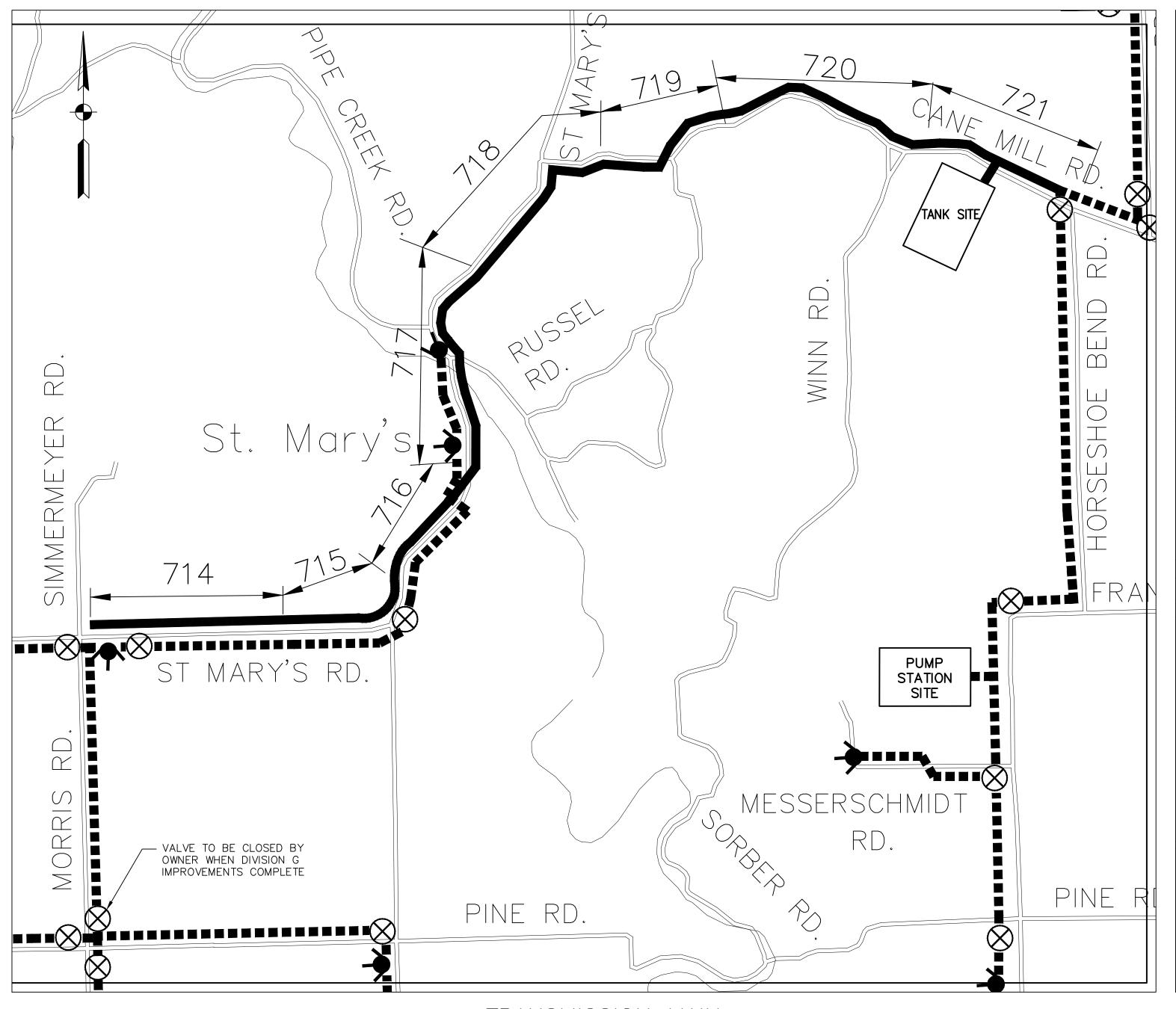
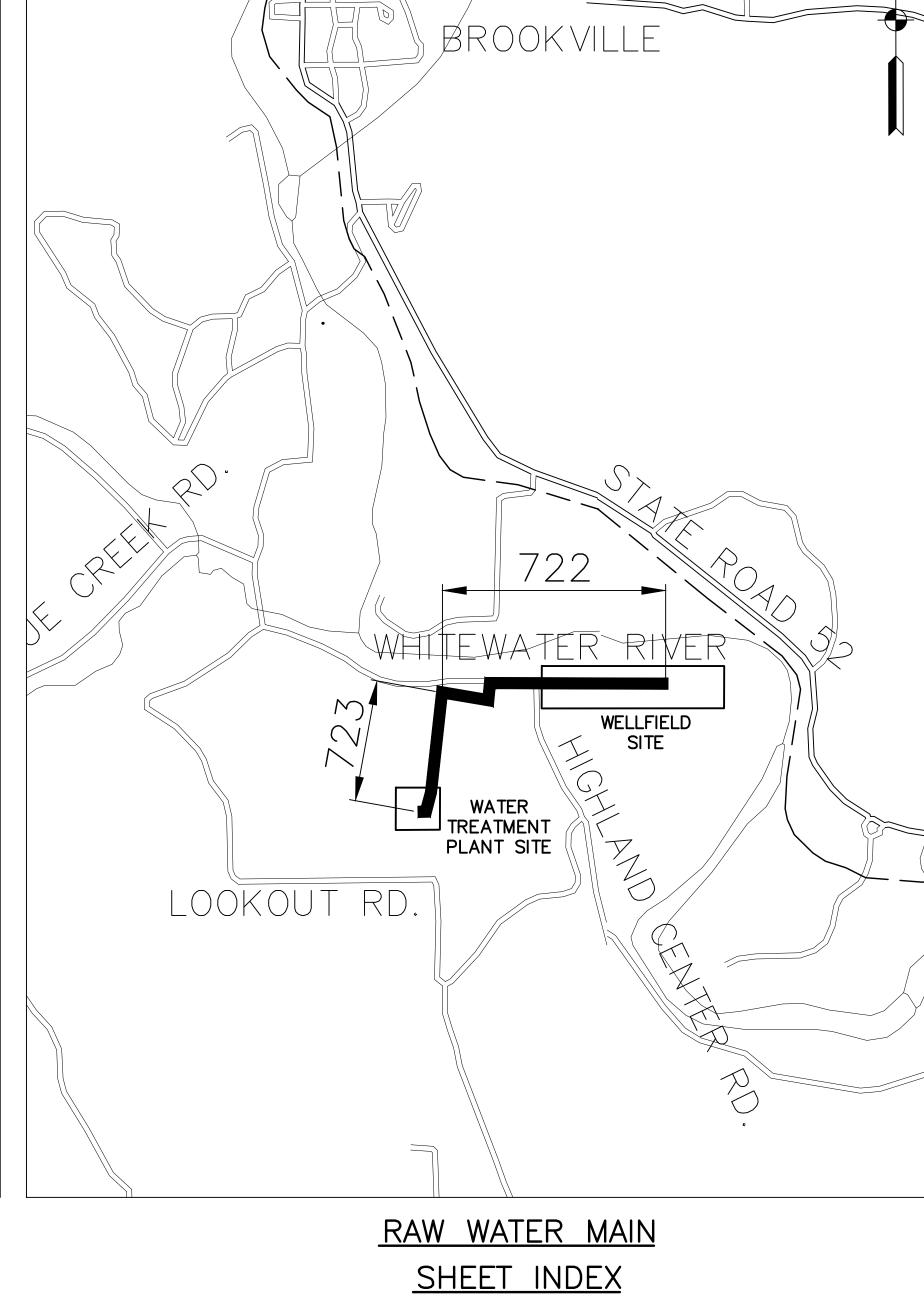
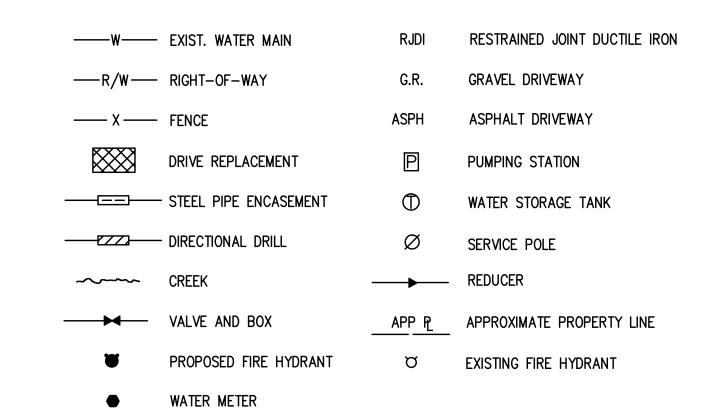
- 3. ALL FITTINGS NOTED AN "RJDI" SHALL BE RESTRAINED JOINT DUCTILE IRON BENDS WITH RESTRAINED PIPE LENGTHS IDENTIFIED THIS SHEET. THOSE FITTINGS NOT NOTED AS "RJDI" SHALL EITHER BE RESTRAINED AS IDENTIFIED ON THIS SHEET OR BLOCKED WITH CONCRETE PER DETAILS SHEET.
- TO MINIMIZE STRESS TO TREE SPECIMENS IN THE AREA OF CONSTRUCTION, THE WATER TRENCH SHOULD BE OPEN FOR A MINIMUM AMOUNT OF TIME AND THE ROOTS ON THE TRENCH SIDE OF THE TREE SHALL BE SEVERED IN A CLEAN CUT MANNER. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO AVOID TOTAL REMOVAL OF TREES BY DEFLECTING PIPE IF POSSIBLE.
- THE OWNER ASSUMES NO RESPONSIBILITY FOR THE LACK OF LOCATION OR MISSED LOCATION OF EXISTING UTILITIES. THE LOCATIONS, SIZES, AND INVERTS OF THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND VERIFY ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING UTILITY WORK, INCLUDING POLE RELOCATION, AS REQUIRED TO MEET THE PROJECT SCHEDULE.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID EXISTING UTILITIES AND PERFORM ANY REQUIRED REPAIRS. IN ADDITION TO ALL UTILITY LINES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AND REPAIRS TO BURIED FIBER OPTIC CABLE, FIELD DRAINAGE TILES, AND PRIVATE IRRIGATION SYSTEMS THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER WHEN UTILITIES OR OTHER SUBSURFACE LINES ARE DAMAGED. INDIANA UNDERGROUND UTILITIES PROTECTION SERVICE SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK. INDIANA UNDERGROUND UTILITIES PROTECTION SERVICE TELEPHONE IS 811. THE CONTRACTOR SHALL REFER TO APPLICABLE SECTIONS OF THE CONTRACT SPECIFICATIONS RELATIVE TO THE ABOVE.
- CONTRACTOR SHALL NOTIFY RESPECTIVE UTILITY COMPANIES AT LEAST FOUR DAYS PRIOR TO INSTALLATION OF WATER MAIN. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED SUPPORTING POLES.
- CONTRACTOR SHALL CLEAN STREETS OF CONSTRUCTION DEBRIS DAILY TO THE SATISFACTION OF THE FRANKLIN COUNTY ENGINEER, OWNER AND ENGINEER CONTRACTOR SHALL FURTHER ENSURE THAT AT LEAST ONE LANE OF TRAFFIC SHALL BE OPEN AT ALL TIMES DURING CONSTRUCTION ALONG ROADWAYS UNLESS THE CONTRACTOR HAS WRITTEN APPROVAL AND AN APPROVED TRAFFIC MAINTENANCE PLAN FROM FRANKLIN COUNTY. CONTRACTOR SHALL NOT AT ANY TIME CLOSE ANY LANE OF A STATE HIGHWAY.
- 9. FULL DEPTH, COMPACTED GRANULAR BACKFILL SHALL BE REQUIRED PER HHRWD STANDARDS WHEN CENTERLINE OF WATER MAIN TRENCH IS WITHIN 5 FT. OF THE EDGE OF PAVEMENT FOR ROADWAYS ALONG THE WATER MAIN ROUTE.
- 10. CONTRACTOR SHALL REMOVE AND REPLACE ALL DRIVEWAY CULVERTS AFFECTED BY WATER MAIN CONSTRUCTION WITH NEW CMP DRIVEWAY CULVERT PIPING. CONTRACTOR SHALL ALSO PROVIDE STATE, CITY, AND/OR COUNTY APPROVED END SECTIONS ON EACH REPLACED CULVERT. THE CONTRACTOR SHALL OBTAIN THE ACTUAL INVERT ELEVATIONS OF EACH CULVERT TO BE REMOVED AND SUPPLY ELEVATION TO THE R.P.R. THE CONTRACTOR SHALL THEN PLACE THE NEW DRIVEWAY CULVERT AS CLOSE AS POSSIBLE TO THE FORMER INVERT ELEVATIONS AND PROVIDE POSITIVE DRAINAGE OF THE RECONSTRUCTED DITCH
- 11. THE OWNER HAS OBTAINED THE IDEM, FRANKLIN COUNTY & IDNR PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR ALL OTHER PERMITS NECESSARY TO COMPLETE THE PROJECT, INCLUDING ALL TRAFFIC CONTROL PERMITS.
- 12. THE DRAWINGS DEPICT SOME AREAS OF WATER MAIN INSTALLATION TO BE INSTALLED USING HDPE PIPE VIA DIRECTIONALLY DRILLING METHODS. THE OWNER & ENGINEER RESERVES THE RIGHT TO ADD OR SUBTRACT AREAS ALONG ALL WATER MAIN ROUTES TO HAVE THE WATER MAIN INSTALLED USING HDPE PIPE VIA DIRECTIONAL DRILLING METHODS. THESE AREAS MAY INCLUDE UNDER DRIVEWAYS, FRONT YARDS, UTILITY CONGESTION AREAS, CREEKS, ETC.
- 13. THE CONTRACTOR SHALL REVIEW THE EASEMENT CONDITIONS LIST ON FILE AT THE OWNER'S OFFICE AND ADHERE TO ANY & ALL CONDITIONS.
- 14. ALL EASEMENTS SHOWN ON THE DRAWINGS HAVE BEEN OR ARE IN THE PROCESS OF BEING ACQUIRED. ALL OTHER AREAS WHERE EASEMENTS ARE NOT SHOWN, THE OWNER IS ATTEMPTING TO ACQUIRE THOSE EASEMENTS. SHOULD THESE EASEMENTS BE OBTAINED PRIOR TO ACTUAL INSTALLATION, THE ENGINEER WILL DIRECT THE CONTRACTOR TO PLACE THE WATER MAIN ON THE EASEMENT. ALL PIPE AND FITTINGS WILL BE PAID FOR AS SET FORTH IN THE UNIT PRICE CONTRACT. NO ADDITIONAL PAYMENT FOR RE-LOCATION OF THE WATER MAIN WILL BE ALLOWED.
- 15. CONTRACTOR SHALL KEEP ALL EXISTING WATER MAINS IN SERVICE UNLESS NOTED ON PLANS.
- 16. CONTRACTOR SHALL INSTALL A FIRE HYDRANT ASSEMBLY AT THE INTERSECTION OF MORRIS ROAD AND PINE ROAD. EXACT LOCATION TO BE DETERMINED IN THE FIELD.
- 17. CONTRACTOR, AT LEAST 7 DAYS PRIOR TO INSTALLATION, SHALL STAKE ALL VALVE AND HYDRANT LOCATIONS FOR OWNER AND ENGINEER APPROVAL.

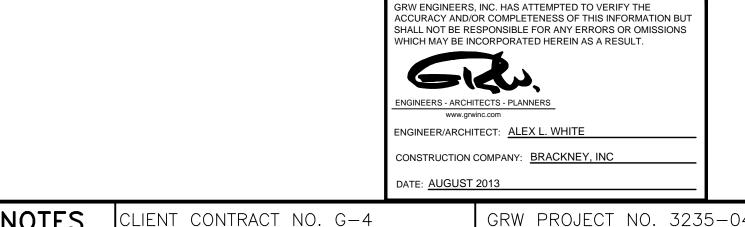




TRANSMISSION MAIN SHEET INDEX







document.

HIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON

NFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR

INDEX OF DRAWINGS & GENERAL NOTES CONTRACT G-4 WATER MAIN IMPROVEMENTS HOOSIER HILLS REGIONAL WATER DISTRICT DIVISION "G" SYSTEM IMPROVEMENTS THIS DOCUMENT IS THE PROPERTY OF GRW ENGINEERS, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT WRITTEN PERMISSION OF GRW ENGINEERS. INC. DATE: AUGUST This document, 2013 originally issued, sealed, and signed by DRAWN: Alex L. White, Indiana NOT TO SCAL Professional Engineer, GRW Engineers, Inc. No. 11100292, on SHEET NO. I. AS-BUILTS |08-13| JEC **|** March 26, 2012, Engineers, Architects, Planners G-0shall not be used in DESCRIPTION lieu of a certified LEXINGTON LOUISVILLE NASHVILLE INDIANAPOLIS FORT MITCHELL KNOXVILLE ARLINGTON

REVISIONS