

GENERAL NOTES

- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
OR LOCAL (WICHITA) 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

COX COMMUNICATIONS (CABLE) 262-0661
WESTAR (ELECTRIC) 383-8600
KANSAS GAS SERVICE (GAS) 832-3101
AT&T (TELEPHONE) 800-870-8390
CITY OF WICHITA WATER & SEWER 262-6000
BLACK HILLS ENERGY (GAS) 800-303-0357

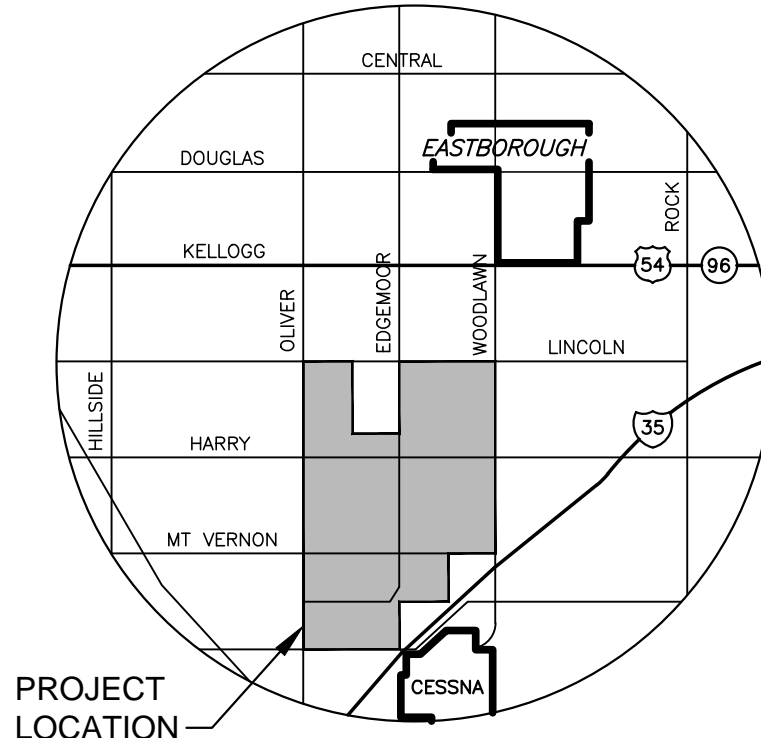
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN ON THE PLANS. TREES AND SHRUBS IN PUBLIC RIGHT OF WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL, AND SHALL BE INCLUDED IN THE PRICE BID FOR THE INSTALLED WATER PIPE. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ABUTTING CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA, AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE BUT NOT BE LIMITED TO TOP SOIL PREPARATION AND SODDING. ALL SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR78 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SODDING.
- THE CONTRACTOR SHALL LAY A TRACER WIRE & SET TEST STATIONS ALONG ALL WATER LINE PIPE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS & TRACER WIRE DETAIL ON DETAIL SHEET. COST IS SUBSIDIARY TO PIPE INSTALLATION.
- THE CONTRACTOR SHALL USE DIRECTIONAL DRILLING METHODS AS MUCH AS POSSIBLE AND SHALL OPEN CUT ONLY WHERE ABSOLUTELY NECESSARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LIMIT DISTURBANCES TO PROPERTIES INSIDE OF AND ADJACENT TO CONSTRUCTION AREAS.
- THE CONTRACTOR SHALL SCHEDULE CONSTRUCTION ACTIVITIES SO AS TO LIMIT WATER SERVICE DOWN TIME TO RESIDENCES. WHEREVER POSSIBLE, THE PROPOSED WATER DISTRIBUTION SYSTEM SHALL BE IN PLACE AND ACTIVE ALONGSIDE THE EXISTING SYSTEM WHILE NEW SERVICE LINES ARE INSTALLED TO THE PROPOSED MAINS. ALL PROPOSED SERVICES SHALL BE CONNECTED TO THE PROPOSED MAINS PRIOR TO DISCONNECTING EXISTING WATER MAINS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING A COPY OF HIS CONSTRUCTION SCHEDULE TO THE PROJECT ENGINEER AND THE CITY OF WICHITA, KANSAS FOR APPROVAL PRIOR TO CONSTRUCTION START.
- IN LOCATIONS WHERE PROPOSED WATER LINE STRUCTURES INTERFERE WITH EXISTING WATER LINES, CONTRACTOR SHALL INSTALL THOSE STRUCTURES AFTER ALL OTHER RELATED STRUCTURES AND PIPES HAVE BEEN INSTALLED, SO AS TO REDUCE THE LOSS OF SERVICE TO RESIDENTS.
- THE VALVE BOX WILL BE PROVIDED BY THE CITY AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR MUST INSTALL THE BLOCKING AND THE VALVE BOX, WITH THE VALVE BOX INSTALLED AT GRADE. ALL OTHER FITTINGS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.
- ALL CUTS AND CAPS OF LINES THAT WILL BE ATTACHED TO LIVE MAINS NEED TO BE WITHIN 2 FEET OF THE EXISTING CONNECTION.
- CONTRACTOR SHALL PROTECT EXISTING WATER MAINS AND SEWER MAINS.
- THE CONTRACTOR SHALL RETURN ALL SALVAGED VALVES, HYDRANTS, HYDRANT FITTINGS, METER SETTERS, AND ETC. TO THE CITY OF WICHITA WATER DISTRIBUTION DEPARTMENT YARD LOCATED AT 1825 S. MCLEAN BLVD. THE CONTRACTOR SHALL HAVE ALL SALVAGED MATERIAL CHECKED IN BY THE STOREKEEPER.
- EXISTING SERVICE LINES TO BE ABANDONED SHALL BE CUT AND CAPPED. EXISTING METER BOXES, METER SETTERS, RINGS AND LIDS SHALL BE ALSO BE RETURNED BY THE CONTRACTOR TO 1825 S. MCLEAN BLVD.
- THE CONTRACTOR WILL USE RESTRAINT SYSTEMS AT ALL FITTINGS.
 - THRUST BLOCKING AT THESE LOCATIONS IS NOT REQUIRED
 - FIRE HYDRANT LEADS DO NOT NEED TO BE RESTRAINED JOINTS, BUT EITHER SIDE OF THE TEE MUST BE RESTRAINED.
 - THE CITY WILL NOT PROVIDE A RESTRAINED GLAND PACK AT THE CITY INSTALLED TAPS, THESE MUST BE PROVIDED BY THE CONTRACTOR.
- THE UNIT PRICE BID FOR NEW SERVICE LINES SHALL INCLUDE THE COST OF THE SERVICE LINE, THE NEW METER BOX, METER BOX RING AND LID, NEW METER SETTER, INSTALLATION OF THE NEW METER IN THE NEW BOX, NEW COPPER PIGTAIL AND NEW CORPORATION IN THE NEW WATER MAIN. EXISTING PLASTIC METER BOXES MAY BE RE-USED
- THE METERS WITHIN THE PROJECT LIMITS SHOULD BE EQUIPPED WITH AUTOMATED METER READING (AMR) TECHNOLOGIES. THESE 5/8" METERS WILL BE RE-INSTALLED WITH APPROVED GASKETS AND ADAPTERS. COSTS TO BE SUBSIDIARY TO LONG AND SHORT SERVICES BID ITEMS.
- SPRINKLER SYSTEMS: THE CONTRACTOR IS REQUIRED TO REPAIR DAMAGE THAT INCLUDES, BUT IS NOT ENTIRELY LIMITED TO, MINOR ITEMS SUCH AS PIPE, IRRIGATION HEAD REPAIR/REPLACEMENT. THESE REPAIRS SHALL BE SUBSIDIARY TO OTHER ITEMS. THE CONTRACTOR IS NOT EXPECTED TO REPAIR OR RECONFIGURE MAJOR COMPONENTS SUCH VALVES, CONTROLLERS, BACKFLOW PREVENTERS, ETC. BUT ALL EXISTING CONNECTIONS TO THE SERVICE LINE OR METER SHALL BE IN PLACE AND WORKING AT THE CONCLUSION OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO PROTECT MAJOR COMPONENTS FROM DAMAGE. ANY DAMAGE CAUSED DUE TO NEGLIGENCE MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE.

WATER MAIN REPLACEMENT PLANS
TO SERVE
SILVERDALE ADDITION PART A

PROJECT NO. 448-90720

THE CITY OF WICHITA, KANSAS
GARY JANZEN, P.E. - CITY ENGINEER

OCA 636425

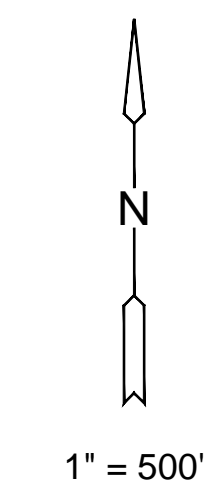
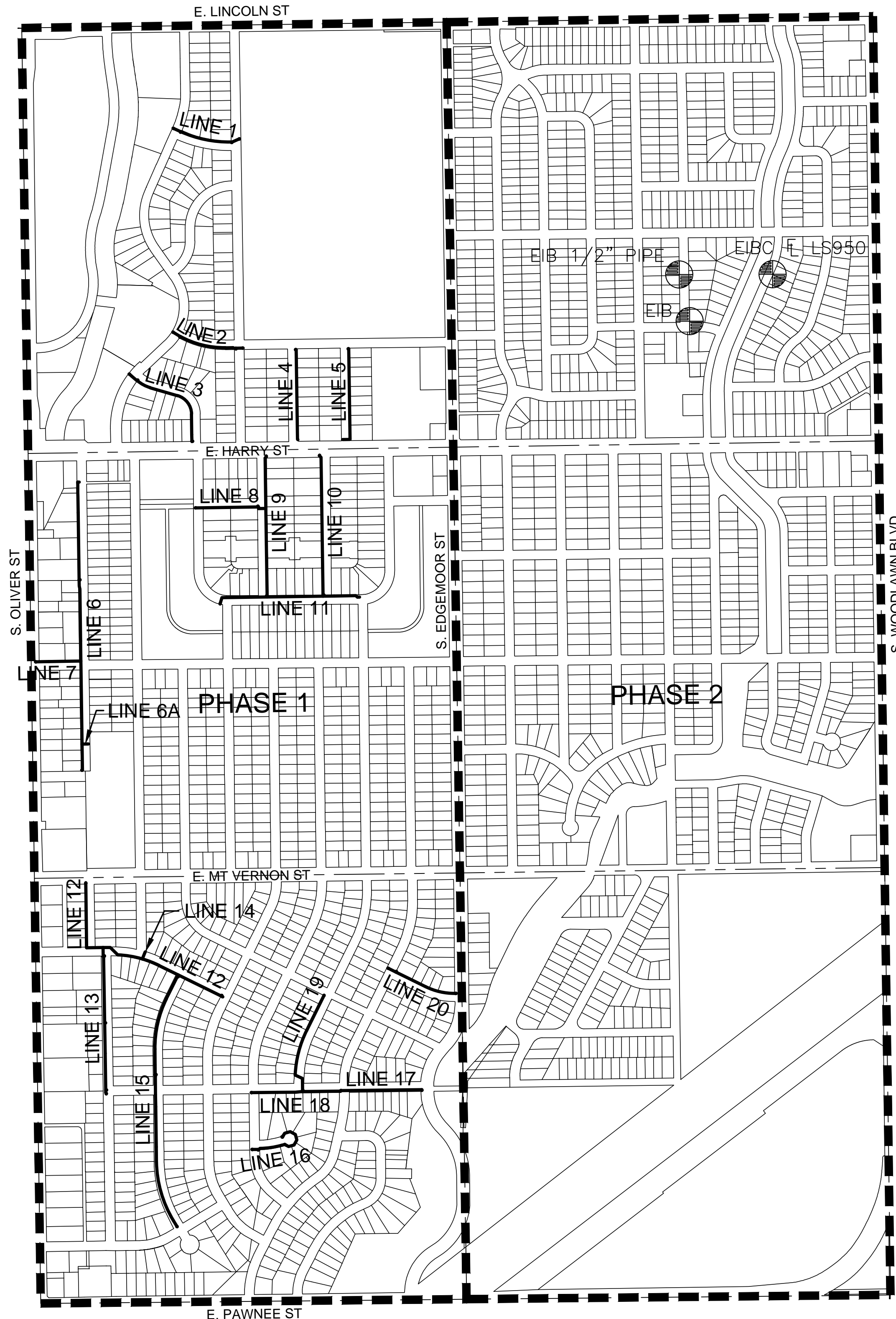


PROJECT LOCATION

VICINITY MAP

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BENCHMARKS

EIB 1/2" PIPE	N=1679346.47, E=1669587.17 ELEV.=1326.35
EIB	N=1679055.94, E=1669651.75 ELEV.=1322.06
EIBC FL LS950	N=1679348.31, E=1670168.74 ELEV.=1322.93

NOTE: WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.



WATER MAIN REPLACEMENT PLANS FOR
SILVERDALE ADDITION PART A

TITLE SHEET

PROJECT NO.	448-90720	
DATE	SEPT. 2017	
SCALE	1" = 500'	
DESIGNED	DRAWN	CHECKED
DFL	JWC	GJA
NO.	REVISION	DATE
SHEET NO.		