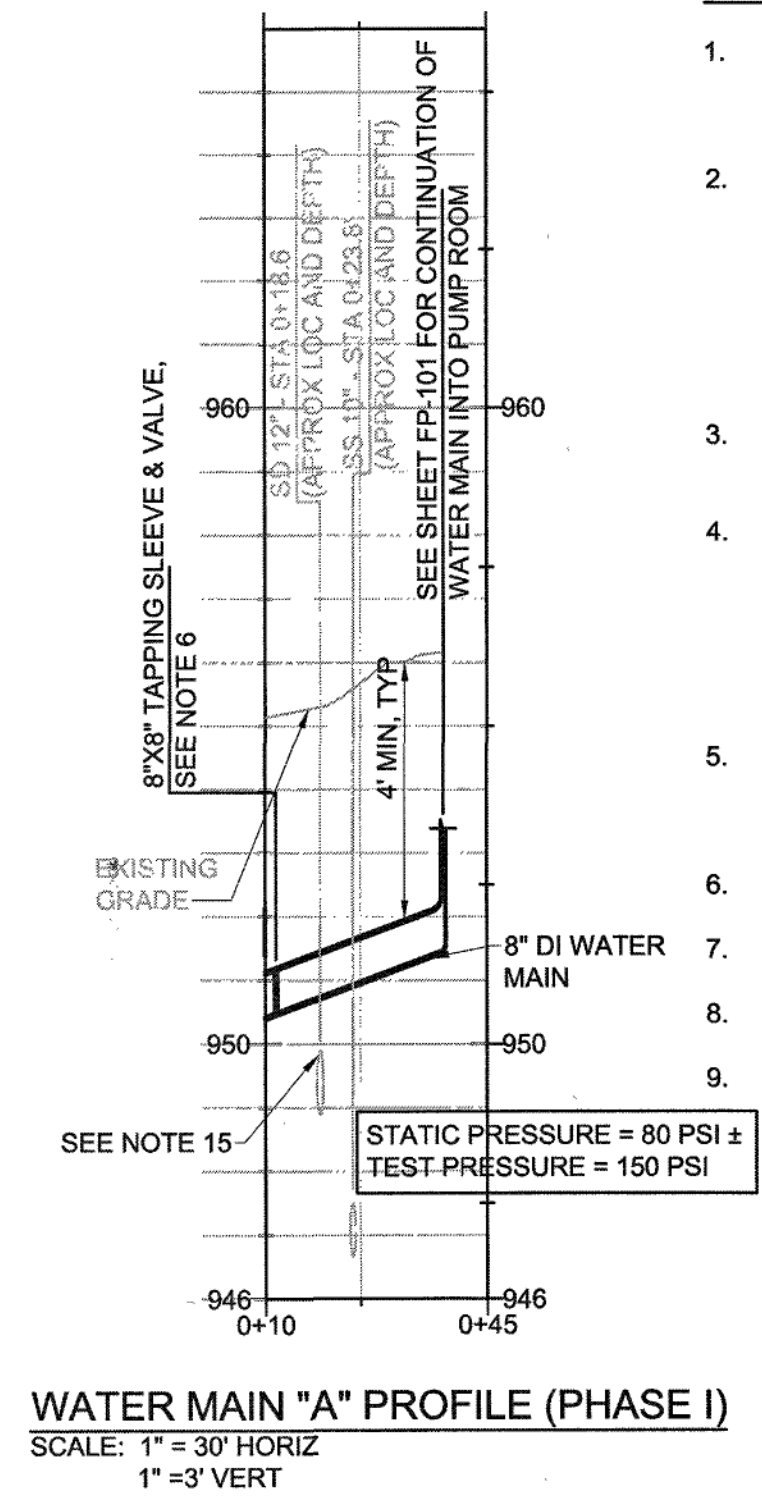
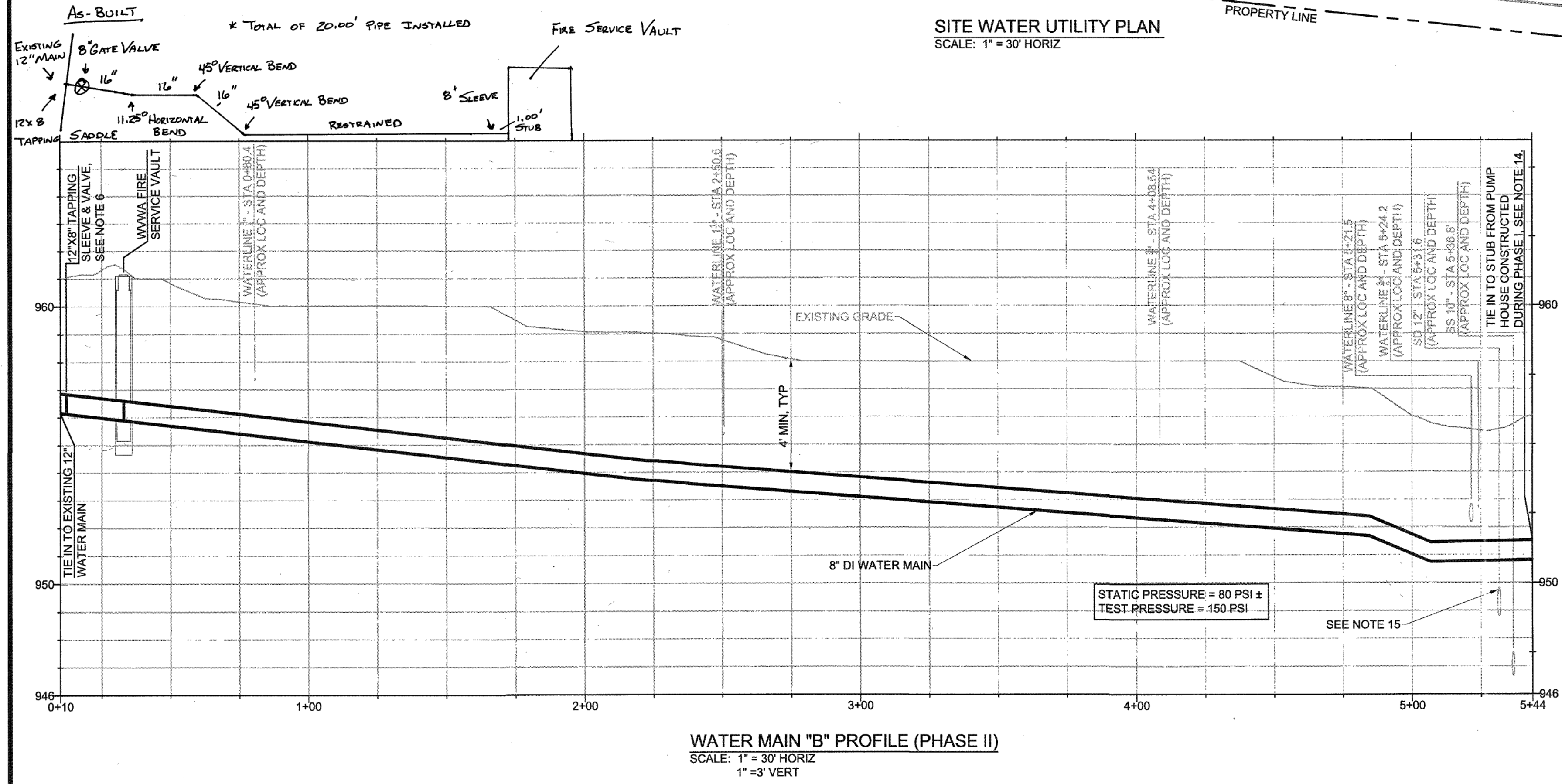


MATERIALS
KENNEDY 8" GATE VALVE
AMERICAN 8" CLASS 350 D.I.P.

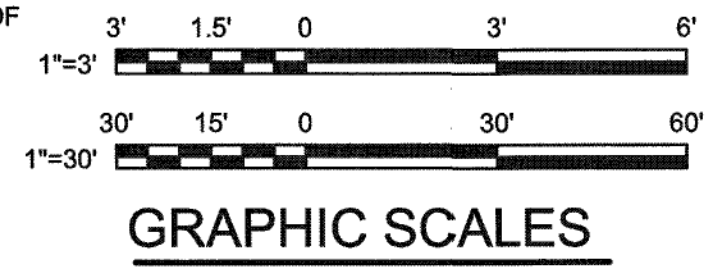
05-11-16 : 8" WET TAP COMPLETED. INSTALLED NEW 8" WATERLINE.
05-12-16 : SET FIRE SERVICE VAULT.



- LEGEND**
- CONSTRUCTION POINTS**
- WATER UTILITY NOTES:**
- CONTRACTOR SHALL CONFORM TO WESTERN VIRGINIA WATER AUTHORITY SPECIFICATIONS, DETAILS, AND REQUIREMENTS IN PERFORMANCE OF WORK. CONTRACTOR SHALL CONFORM TO CITY OF ROANOKE, VIRGINIA DEPARTMENT OF HEALTH, AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL REGULATORY AGENCY REQUIREMENTS IN PERFORMANCE OF WORK.
 - WATER MAIN SHALL BE 350 PSI DUCTILE IRON RESTRAINED JOINT PIPE, AMERICAN FLEX-RING, US PIPE TR FLEX, GRIFFIN SNAP-LOK, OR APPROVED EQUAL. ADDITIONALLY, PROVIDE WESTERN VIRGINIA WATER AUTHORITY THRUST BLOCKING. CONFORM TO ALL PIPE MANUFACTURER'S INSTALLATION AND STORAGE RECOMMENDATIONS.
 - UNDERGROUND FACILITIES, STRUCTURE, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. CONTRACTOR SHALL LOCATE AND PROTECT ALL UTILITIES AT THEIR OWN INITIATIVE AND EXPENSE.
 - CONTRACTOR SHALL PROTECT EXISTING OVERHEAD LIGHTING AND ASSOCIATED FOUNDATIONS DURING INSTALLATION OF WATER MAIN.
 - COMPLY WITH 2011 VIRGINIA WORK AREA PROTECTION MANUAL FOR PERFORMANCE OF WORK.
 - CONTRACTOR SHALL COORDINATE AND CONFIRM OUTER DIAMETER OF EXISTING WATER MAIN TO ENSURE THAT TAPPING SLEEVE SIZED ACCORDING TO SLEEVE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL FIELD VERIFY DEPTH OF EXISTING WATER MAIN TO MAKE CONNECTION. PROVIDE WESTERN VIRGINIA WATER AUTHORITY THRUST BLOCK FOR TEE AT TAP LOCATIONS.
 - CONTRACTOR SHALL REMOVE SIDEWALK AND CURBING TO INSTALL WATER MAIN, AND STUBOUT FOR CONNECTION TO PHASE II. REPLACE PER DETAIL. CONTRACTOR SHALL ENSURE NEW CURB IS INTEGRATED TO MAKE SMOOTH TRANSITION WITH EXISTING SIDEWALK, PAVEMENT, AND GRADES. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR EXISTING SIDEWALK AND PAVEMENT TO EXISTING CONDITION (PHASE I).
 - RESTORE PAVEMENT FOR WATER MAINS IN ROADWAY PER WESTERN VIRGINIA WATER AUTHORITY BEDDING AND BACKFILL UNDER PAVEMENT AND IN RIGHT-OF-WAY DETAIL.
 - CONTRACTOR SHALL NOTIFY WESTERN VIRGINIA WATER AUTHORITY A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO TAPPING EXISTING WATER MAINS. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PROPOSED CONSTRUCTION AT LEAST TWO (2), BUT NOT MORE THAN TEN (10) WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH "MISS UTILITY": 1-800-552-7001.
 - TEST PROPOSED WATER MAINS IN ACCORDANCE WITH AWWA C 800. TEST PRESSURE TO BE 150 PSI. DISINFECT PROPOSED WATER MAINS IN ACCORDANCE WITH AWWA C 651.
 - FOR CONTINUATION, SEE SHEET FP-101.
 - EXISTING CONDITIONS INFORMATION WAS ACQUIRED FROM HAYES, SEAY, MATTERN & MATTERN AND SKIDMORE, OWINGS & MERRILL COMMUNITY HOSPITAL OF ROANOKE VALLEY CIVIL DRAWINGS, 5 AUG. 1993, SHEET C-101.
 - ALL WORK, EXCEPT AS INDICATED BY THIS NOTE, SHALL BE COMPLETED AS PART OF PHASE I OF THIS PROJECT. WATER MAIN "B", BETWEEN CONSTRUCTION POINTS A AND B, SHALL BE CONSTRUCTED DURING PHASE II OF THE PROJECT. DURING PHASE I, PROVIDE FULLY RESTRAINED STUB FROM INTERIOR OF PUMP ROOM TO CONSTRUCTION POINT B FOR FUTURE CONNECTION TO WATER MAIN "B". PROVIDE RESTRAINED WATERTIGHT PLUG FOR STUB AT CONSTRUCTION POINT B WITH AN AT-GRADE MARKER EMBEDDED IN SIDEWALK TO MARK LOCATION OF TERMINAL END OF STUB. PROVIDE SEPARATE BID FOR PHASE I AND PHASE II WORK. PROVIDE FULLY RESTRAINED CONNECTION BETWEEN STUB CONSTRUCTED DURING PHASE I AND 8" WATER MAIN CONSTRUCTED DURING PHASE II. EBBA MEGALUG RESTRAINT, OR APPROVED EQUAL.
 - PROVIDE CONCRETE PIER WHERE REQUIRED PER WESTERN VIRGINIA WATER AUTHORITY DETAIL G-8.
 - PROTECT INLET FROM SETTling AND DAMAGE DURING INSTALLATION OF WATER MAIN.
 - A MINIMUM COVER OF FOUR (4) FEET IS REQUIRED OVER PROPOSED LINES.
 - LENGTHS OF LINES INDICATED ON THE DRAWINGS FOR UTILITY SYSTEMS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT AMOUNT OF PIPING REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.
 - LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL SUPPLY ALL UTILITY COMPANIES WITH COPIES OF APPROVED PLANS, ADVISING THEM THAT ALL GRADING AND INSTALLATION SHALL CONFORM TO APPROVED PLANS.

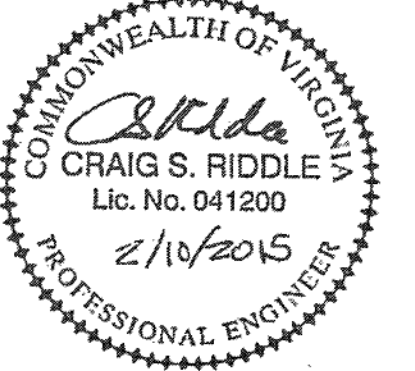
GENERAL CIVIL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS.
- ALL MATERIAL GENERATED BY THE DEMOLITION SHALL BE HAULED FROM THE SITE AND DISPOSED OF PER CITY OF ROANOKE REGULATIONS. PROVIDE AN EROSION AND SEDIMENT CONTROL PLAN FOR ANY OFF-SITE DISPOSAL AREAS. EXCESS EXCAVATED SOIL SHALL REMAIN ON SITE.
- THE CITY OF ROANOKE MUST BE NOTIFIED WHEN THE WORK COMMENCES AND WHEN THE WORK IS COMPLETE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES REQUIRED BY THE STATE OF VIRGINIA, CITY OF ROANOKE, AND OTHER GOVERNING AGENCIES INVOLVED UNDER THIS CONTRACT.
- APPROPRIATE FENCING AND/OR BARRICADES SHALL BE USED WHEN DEMOLITION OCCURS NEAR PEDESTRIAN WALKWAYS.
- DIMENSIONS AND COORDINATES SHOWN AT CURB ARE TO FACE OF CURB.
- PROVIDE POSITIVE DRAINAGE AT ALL GRADED AREAS.
- TOTAL DISTURBED AREA IS APPROXIMATELY 0.2 ACRES.
- CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY REPAIR ANY ACTIVE UTILITIES DAMAGED DURING CONSTRUCTION AND TO NOTIFY THE OWNER'S REPRESENTATIVE AND ANY APPROPRIATE UTILITY COMPANIES OF THE DAMAGE.



AECOM USA, INC.
10 SOUTH JEFFERSON STREET, SUITE 1600
ROANOKE, VA 24011
(540) 857-3100 www.aecom.com

SEALS



CONSULTANT

CARILION.
PROJECT
MANAGEMENT &
CONSTRUCTION



213 MCCLANAHAN ST. S.W.,
THIRD FLOOR
ROANOKE, VA 24014
PHONE: 540-981-7024

FIRE PUMP
RELOCATION
CARILION ROANOKE
COMMUNITY HOSPITAL
ROANOKE, VIRGINIA

REV	DATE	DESCRIPTION	APP
PROJECT NO:	60336645	PROJECT PHASE: NEW	
ISSUE DATE:	FEBRUARY 10, 2015		
DESIGNED BY:	CSR	DRAWN BY:	KAW
CHECKED BY:	CAT	SUBMITTED BY:	SCG

CIVIL / SITE
SITE WATER UTILITY PLAN

As-BUILTS 02/19/2016
CHARLES CRUSH