

EXHIBIT A TO ORDINANCE NO. 50-21

"AS-BUILT" REQUIREMENTS

AS-BUILTS SHALL BE PREPARED AND SUBMITTED IN ACCORDANCE WITH AVON CODIFIED ORDINANCES 1050.

AS-BUILT PLAN SET SHALL HAVE A PROFESSIONAL SURVEYOR'S CERTIFICATION STATEMENT, STAMP, AND DATE.

THE FOLLOWING LISTED ITEMS ARE TO APPEAR ON A SET OF "AS-BUILT" PLANS SUBMITTED TO THE CITY.

SANITARY SYSTEM

1. SANITARY SYSTEM REVISIONS I.E., RIM, INVERTS, PIPE SLOPES AND MANHOLE LOCATIONS. PRESENT CORRECTED INFORMATION OR PLAN SET WITH A LINE THROUGH PROPOSED DATA.
2. SANITARY WYE LOCATIONS FROM DSM, RISERS WITH ELEVATIONS, LATERAL LENGTH AND DEPTH AT TERMINUS.

STORM SYSTEM

1. STORM SYSTEM REVISIONS, I.E. RIM, INVERTS, PIPE SLOPES AND MANHOLE AND CATCH BASIN LOCATIONS. PRESENT CORRECTED INFORMATION OR PLAN SET WITH A LINE THROUGH PROPOSED DATA.
2. STORM KOR-N-BOOT LOCATIONS FROM DSM, LATERAL LENGTH AND DEPTH AT TERMINUS.

WATER MAIN

1. LOCATION REVISION IN PLAN VIEW, DEPTH REVISIONS IN PROFILE.
2. LINE VALVE, HYDRANT AND BEND LOCATIONS AS INSTALLED.
3. SERVICE LINE CORPORATION LOCATIONS FROM A HYDRANT OR VALVE IN A STRAIGHT LINE DISTANCE, LENGTH TO CURB STOP, CURB STOP LOCATION, LENGTH FROM CURB STOP TO TERMINUS, WITH DEPTH AT TERMINUS.

STORM WATER MANAGEMENT SYSTEM

1. INVERT AND SIZES OF ALL OUTLET STRUCTURE PIPES/ORIFICES/WEIRS. INCLUDE RIM ELEVATION.
2. INVERTS, SIZES, SLOPES OF ALL INLET PIPES.
3. DETENTION VOLUME VERIFICATION COMPLETE WITH CONTOUR AREA TABLE AND SPOT GRADE ELEVATIONS.
4. OVERFLOW LOCATION, ELEVATION, AND WIDTH.
5. CALCULATIONS VERIFYING AS-BUILT DATA IS SUFFICIENT TO MEET STORM WATER MANAGEMENT REQUIREMENTS AS APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

GENERAL

1. SANITARY, STORM AND WATER SERVICE LOCATIONS IF DIFFERENT THAN PLAN PROPOSAL.

2. ALL PIPE CROSSING CLEARANCE INFORMATION.

3. LOCATE ANY AND ALL EXISTING ITEMS ENCOUNTERED DURING EXCAVATION I.E., GAS LINES/SERVICES. LATERALS, DRAIN LINES, M.H.'S, C.B'S, WATER MAINS/SERVICES, INDICATING STATION DEPTH AND SIZE.

"AS-BUILT" SUBMISSION PROCEDURE

1. FIELD INSPECTORS MARKED-UP SET OF PLANS ARE TO BE PROVIDED TO THE CITY.
2. MARKED-UP PLANS ARE GIVEN TO THE PROJECT DESIGN ENGINEER TO REVISE PLANS BASED ON HIS SURVEY INFORMATION AND INSPECTION MARK-UPS, THUS BECOMING A SET OF "AS-BUILT" PLANS.
3. MARKED-UP PLANS AND A SET OF BLUE LINE ARE TO BE SUBMITTED TO THE CITY BY THE ENGINEER.
4. THE CITY WILL LOG-IN THE "AS-BUILTS" AND FORWARD THE MARKED-UP BLUE LINE PLANS TO THE CITY ENGINEER'S OFFICE FOR REVIEW. THE CITY ENGINEER'S OFFICE WILL ASSURE THAT ALL MARK-UP INFORMATION HAS BEEN TRANSFERRED TO THE "AS-BUILT" PLAN SET.
5. THE CITY ENGINEER'S OFFICE WILL PROVIDE THE CITY WITH REVIEW COMMENTS AND REVISION MARK-UPS. BOTH PLAN SETS ARE TO BE GIVEN TO THE CITY WITH THE COMMENTS.
6. THE CITY WILL FORWARD COMMENTS AND ADDITIONAL MARK-UPS TO THE DESIGN ENGINEER.
7. THE DESIGN ENGINEER WILL MAKE THE APPROPRIATE REVISIONS TO THE "AS-BUILTS" IF ANY ARE NEEDED.
8. IF REVISIONS ARE NEEDED THE DESIGN ENGINEER WILL RE-SUBMIT A REVISED "AS-BUILT" BLUE LINE TO THE CITY FOR CONFIRMATION.
9. UPON CONFIRMATION THE DESIGN ENGINEER WILL PROVIDE THE CITY WITH AN "AS-BUILT" DIGITAL COPY. IF NO REVISIONS ARE REQUIRED THE CITY WILL SO NOTIFY THE DESIGN ENGINEER. AN "AS-BUILT" DIGITAL COPY AND 1 HARD COPY WILL THEN BE PROVIDED TO THE CITY.
10. THE CITY WILL FORWARD THE DIGITAL COPY TO THE CITY ENGINEER'S OFFICE FOR A PERMANENT "AS-BUILT" RECORD OF THE PROJECT.
11. AS-BUILTS WILL BE PREPARED AND SUBMITTED PRIOR TO FINAL ACCEPTANCE.

CITY OF AVON CONSTRUCTION STANDARDS AND SPECIFICATIONS		
AS-BUILT REQUIREMENTS	ADOPTION ORDINANCE	DATE
STANDARD CONSTRUCTION DRAWING G-5	48-19	8/12/19
		SHEET 1 OF 2

FINAL WALK-THROUGH ACCEPTANCE CHECKLIST

THE FOLLOWING ITEMS WILL BE INSPECTED AND VERIFIED TO BE IN COMPLIANCE PRIOR TO THE ACCEPTANCE OF A PROJECT BY THE CITY OF AVON.

SANITARY SEWER

1. INSTALL DSM PLUG
2. LATERALS MARKED AND COLORED. (RED)
3. MANHOLE CASTINGS ADJUSTED TO GRADE.
4. CASTING AND RISER PORRIDGED.
5. PIPE INVERTS MORTARED.
6. MANHOLES CLEANED.
7. LIFT HOLES MORTARED.
8. AIR TEST PERFORMED.
9. MANDREL TEST PERFORMED.
10. MANHOLE VACUUM TEST PERFORMED.
11. VIDEO AND FLUSHING PERFORMED.
12. REMOVE DSM PLUG.

STORM SEWER

1. LATERALS MARKED AND COLORED. (GREEN)
2. MANHOLE CASTINGS ADJUSTED TO GRADE.
3. CASTING AND RISER PORRIDGED.
4. CONDUITS BRICK/MORTARED, IN/OUT INTO STRUCTURES.
5. INVERTS POURED.
6. MANHOLES CLEANED OUT.
7. CATCH BASIN INSTALLED.
8. CATCH BASIN CONDUITS MORTARED IN/OUT.
9. CATCH BASIN INVERTS POURED.
10. CATCH BASIN BOX OUTS POURED.
11. CATCH BASIN GRATES FABRIC COVERED.
12. DETENTION BASIN CONFIRMED.
13. MANDREL TEST PERFORMED THRU 18" DIAMETER.
14. VIDEO AND FLUSHING PERFORMED ON ALL PIPES.

WATERLINES

1. LATERALS MARKED AND COLORED. (BLUE)
2. HYDROSTATIC PRESSURE TEST PERFORMED.
3. BACTERIA TEST APPROVED BY CITY.
4. LINE VALVES AND WATCH VALVES KEYED.
5. SERVICES BOXES CHECKED/KEYED.
6. HYDRANT OIL LEVEL CHECKED.
7. HYDRANT KEY PROVIDED TO SERVICE DEPARTMENT.
8. HYDRANTS ARE TO BE REPAINTED AT THE DIRECTION OF THE CITY WHEN NEEDED.

3-YEAR WALK-THROUGH

AT 2 YEARS AND 8 MONTHS THE CONTRACTOR AND A CITY REPRESENTATIVE SHALL WALK THE SITE AND VISUALLY INSPECT THE CONDITION OF THE CLEANOUTS. THE CONTRACTOR SHALL CLEAN AND TELEVISION ALL SEWERS. THE CONTRACTOR SHALL REMEDY ALL DEFICIENCIES TO THE SATISFACTION OF THE CITY.

PAVEMENT

1. ALL JOINTS TARRED.
2. BACK OF CURBS MORTARED.
3. HANDICAPPED RAMP DEPRESSIONS IN PLACE.
4. UNDERDRAINS INSTALLED AND CONNECTED TO C.B.
5. MONUMENT BOXES INSTALLED.
6. SURVEY PINS SET.
7. UTILITY CURB MARKINGS COMPLETED.
8. ROADWAY BROOM SWEEP AND CLEANED.
9. ALL REQUIRED SIGNAGE INSTALLED.
10. SUBLOT CURB DRILL HOLE MARKINGS COMPLETED.

RIGHT-OF-WAY

1. UTILITY CONDUITS CROSSING PAVEMENT INSTALLED.
2. GAS MAINS INSTALLED.
3. ELECTRIC CONDUIT/ TRANSFORMERS INSTALLED.
4. FINAL GRADING COMPLETED.
5. SEEDING AND MULCHING COMPLETED.
6. EROSION CONTROL IN PLACE.

GENERAL

1. EPA WATER/SANITARY PERMIT TO INSTALL.
2. NPDES-STORM APPROVAL.
3. FINANCIAL SETTLEMENTS.
4. CLOMAR SUBMITTALS.
5. INSTALLATION OF CLUSTER BOX UNIT (CBU)

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STANDARD CONSTRUCTION DRAWING	G-5	8/12/19
		SHEET 2 OF 2