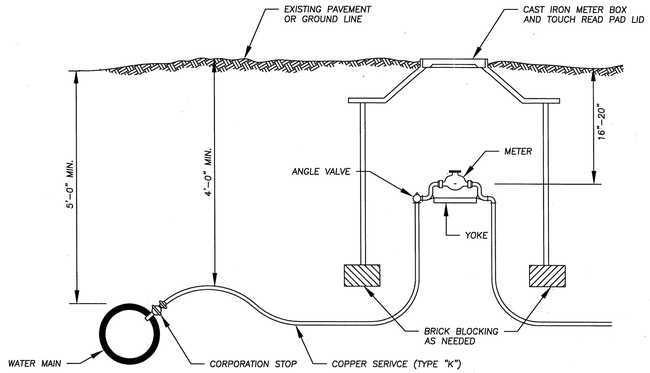
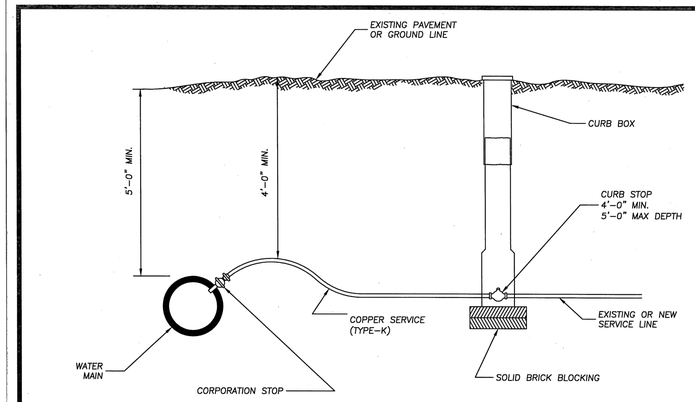



FIG 2.25.1

ALL MATERIALS SHALL BE AS LISTED IN THE LCDU APPROVED MATERIAL LIST.

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| SERVICE TIE IN FOR OUTSIDE METER LESS THAN 2" DIA. | | |
| DATE: 9-17 | DRAWN BY: DDB | SCALE: NONE |

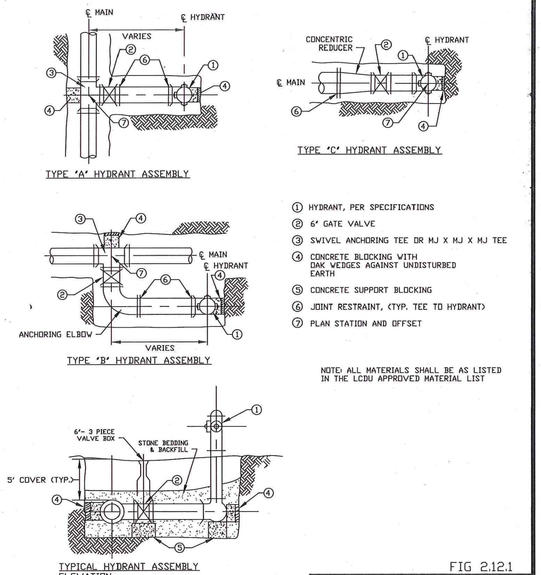



NOTES:

1. IF CURB STOP AND BOX FALL IN DITCH LINE MOVE BOTH TOWARD BUILDING OUT OF DITCH, BUT KEEP BOTH INSIDE THE RIGHT-OF-WAY. CURB STOP AND BOX TO BE A MINIMUM OF 5'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT. SHOULD A CONFLICT OCCUR WITH OTHER UTILITIES OR STRUCTURES, LOCATION SHALL BE APPROVED BY SANITARY ENGINEER. CURB BOXES TO BE LOCATED OUTSIDE ALL PAVED AREAS. ALL FITTINGS TO BE OF THE FLARED TYPE.
2. ALL MATERIALS SHALL BE AS LISTED IN THE LCDU APPROVED MATERIAL LIST.
3. CURB STOP SHALL BE SET SUCH THAT THE OPERATING LEVER RUNS PERPENDICULAR TO THE MAIN WHEN IN THE "ON" POSITION.

FIG 2.25.2

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| SERVICE TIE IN FOR INSIDE METER LESS THAN 2" DIA | | |
| DATE: 8-17 | DRAWN BY: DDB | SCALE: NONE |



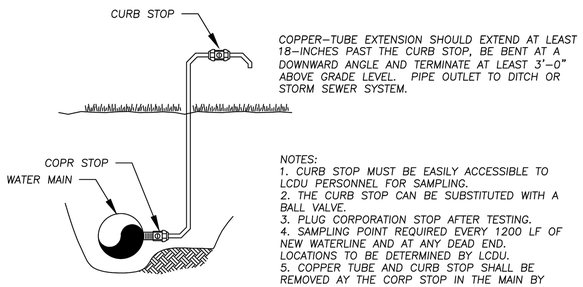

1. HYDRANT, PER SPECIFICATIONS
2. 6" GATE VALVE
3. SWIVEL ANCHORING TEE OR MJ X MJ X MJ TEE
4. CONCRETE BLOCKING WITH OAK WEDGES AGAINST UNDISTURBED EARTH
5. CONCRETE SUPPORT BLOCKING
6. JOINT RESTRAINT, (TYP. TEE TO HYDRANT)
7. PLAN STATION AND OFFSET

NOTE: ALL MATERIALS SHALL BE AS LISTED IN THE LCDU APPROVED MATERIAL LIST

FIG 2.12.1

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| HYDRANT DETAILS | | |
| DATE: 5-16 | DRAWN BY: D.D.B. | SCALE: NONE |

Sht 13

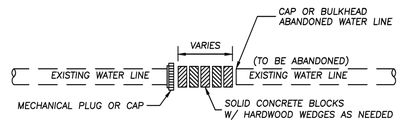



COPPER-TUBE EXTENSION SHOULD EXTEND AT LEAST 18-INCHES PAST THE CURB STOP, BE BENT AT A DOWNWARD ANGLE AND TERMINATE AT LEAST 3'-0" ABOVE GRADE LEVEL. PIPE OUTLET TO DITCH OR STORM SEWER SYSTEM.

NOTES:
1. CURB STOP MUST BE EASILY ACCESSIBLE TO LCDU PERSONNEL FOR SAMPLING.
2. THE CURB STOP CAN BE SUBSTITUTED WITH A BALL VALVE.
3. PLUG CORPORATION STOP AFTER TESTING.
4. SAMPLING POINT REQUIRED EVERY 1200 LF OF NEW WATERLINE AND AT ANY DEAD END. LOCATIONS TO BE DETERMINED BY LCDU.
5. COPPER TUBE AND CURB STOP SHALL BE REMOVED AY THE CORP STOP IN THE MAIN BY THE CONTRACTOR, WHEN AND AS DIRECTED BY LCDU, AFTER THE MAIN HAS PASSED ALL REQUIRED BACTERIOLOGICAL TESTING.

FIG 2.14.1

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| BACTERIA SAMPLING DETAIL | | |
| DATE: 6-16 | DRAWN BY: DDB | SCALE: NONE |




PLAN VIEW

FIG 2.5.2

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| SOLID BLOCKING DETAIL FOR ABANDONED WATERLINES | | |
| DATE: 5-16 | DRAWN BY: DDB | SCALE: NONE |

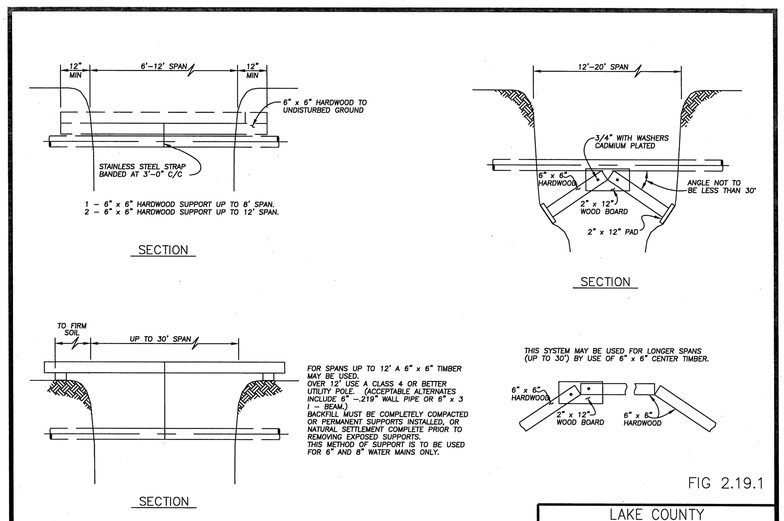



FIG 2.19.1

| LAKE COUNTY DEPARTMENT OF UTILITIES | | |
|---|---|---|
| SUPPORT OF WATER UTILITIES PERPENDICULAR TO EXCAVATION | | |
| DATE: 09-10 | DRAWN BY: D.D.B. | SCALE: NONE |


STATE OF OHIO
MICHAEL P. CYVAS
56012
REGISTERED PROFESSIONAL ENGINEER

your trusted advisor — engineers architects planners consultants


| NO | REVISION | DATE |
|---|---|---|
| | | |

| | |
|---|---|
| ISSUED FOR: UTILITY COORD. | |
| ISSUE DATE: | 08/28/18 |
| SCALE: | AS SHOWN |
| DESIGNED BY: | MPC |
| DRAWN BY: | MPC/JPL |
| CHECKED BY: | XXX |

ERIE STREET WATER LINE REPLACEMENT
LAKE COUNTY DEPARTMENT OF UTILITIES
- WILLOUGHBY -

CONSTRUCTION DETAILS 1

| PROJECT NO. | |
|---|---|
| 180608 | |
| DISCIPLINE | |
| CIVIL | |
| SHEET NAME | |
| CD-01 | |
| SHEET | OF |
| 14 | 20 |