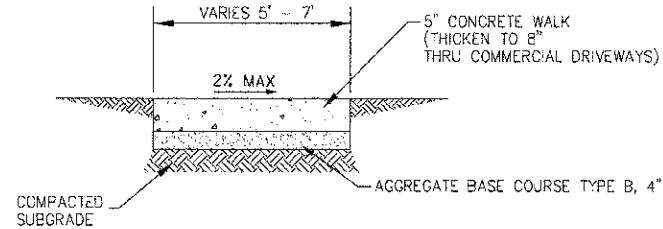


SEGMENTAL CONCRETE BLOCK WALL DETAIL

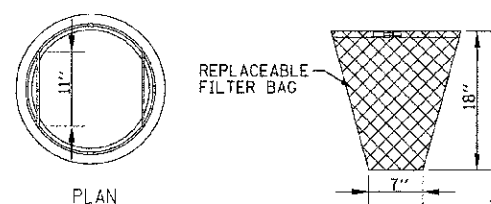
CHESTNUT AVENUE
STA 302+77 TO STA 303+81 RT
NO SCALE



NOTE:
PROVIDE FIBER 3/4" EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND @ 50' O.C. MAX. AND PROVIDE CONTROL JOINTS @ 5' O.C.

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

NO SCALE



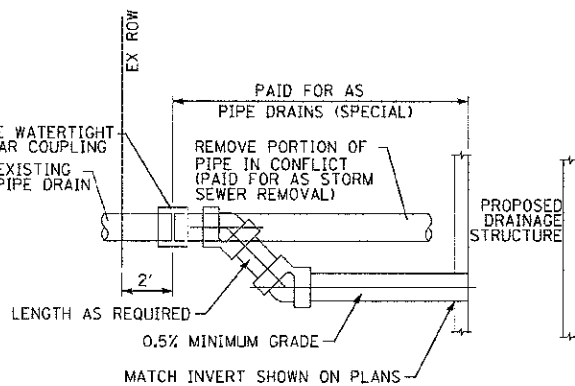
GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" X 1 1/4" X 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" X 1/2" X 1/8" CHANNEL, HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" X 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH, CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

INLET FILTER

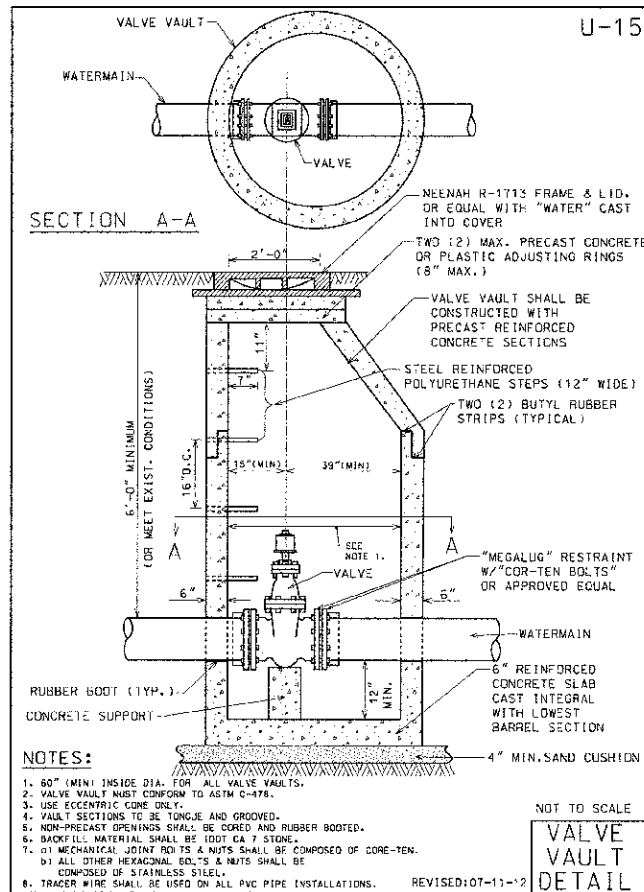
NO SCALE



NOTES:
PROPOSED PIPE SIZE SHALL MATCH EXISTING SIZE OR 6" MINIMUM.

PIPE DRAINS (SPECIAL) DETAIL

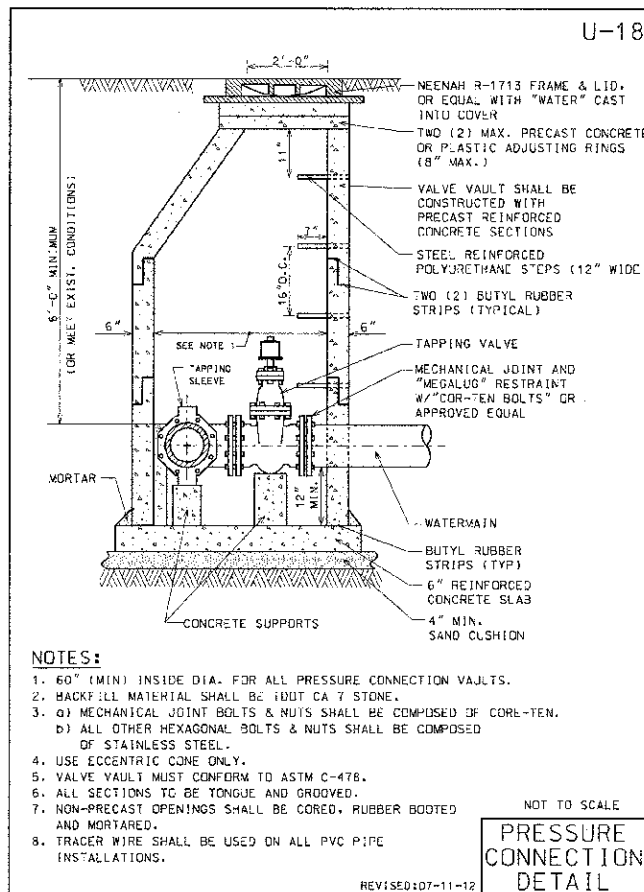
(NOT TO SCALE)



NOTES:
1. 60" (MIN) INSIDE DIA. FOR ALL VALVE VAULTS.
2. VALVE VAULT MUST CONFORM TO ASTM C-478.
3. USE ECCENTRIC CONE ONLY.
4. VAULT SECTIONS TO BE TONGUE AND GROOVED.
5. NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.
6. BACKFILL MATERIAL SHALL BE 100% CA 7 STONE.
7. MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN.
8. ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
9. TRACER WIRE SHALL BE USED ON ALL PVC PIPE INSTALLATIONS.

VALVE VAULT DETAIL

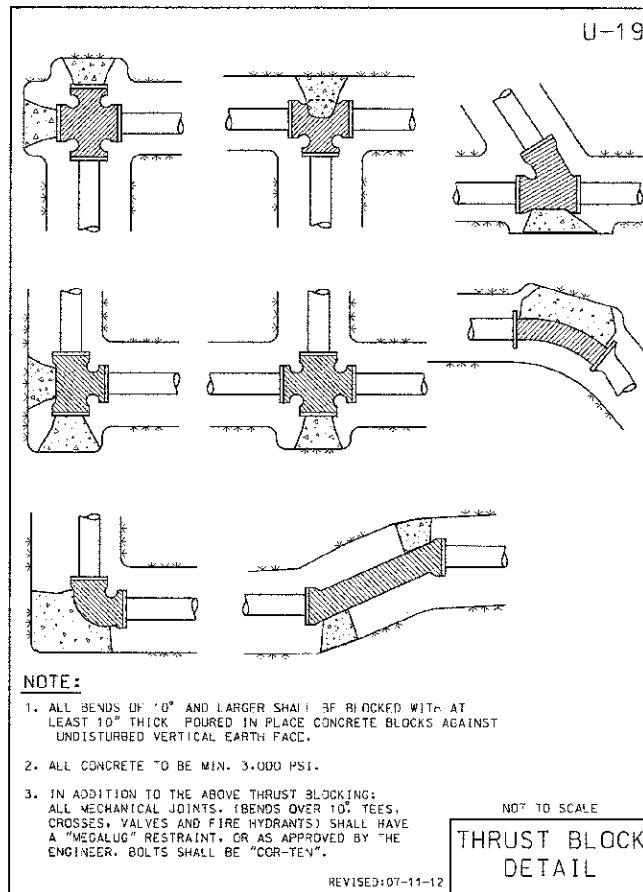
REVISED:07-11-12



NOTES:
1. 60" (MIN) INSIDE DIA. FOR ALL PRESSURE CONNECTION VAULTS.
2. BACKFILL MATERIAL SHALL BE 100% CA 7 STONE.
3. MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN.
4. ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
5. USE ECCENTRIC CONE ONLY.
6. VALVE VAULT MUST CONFORM TO ASTM C-478.
7. NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED AND MORTARED.
8. TRACER WIRE SHALL BE USED ON ALL PVC PIPE INSTALLATIONS.

PRESSURE CONNECTION DETAIL

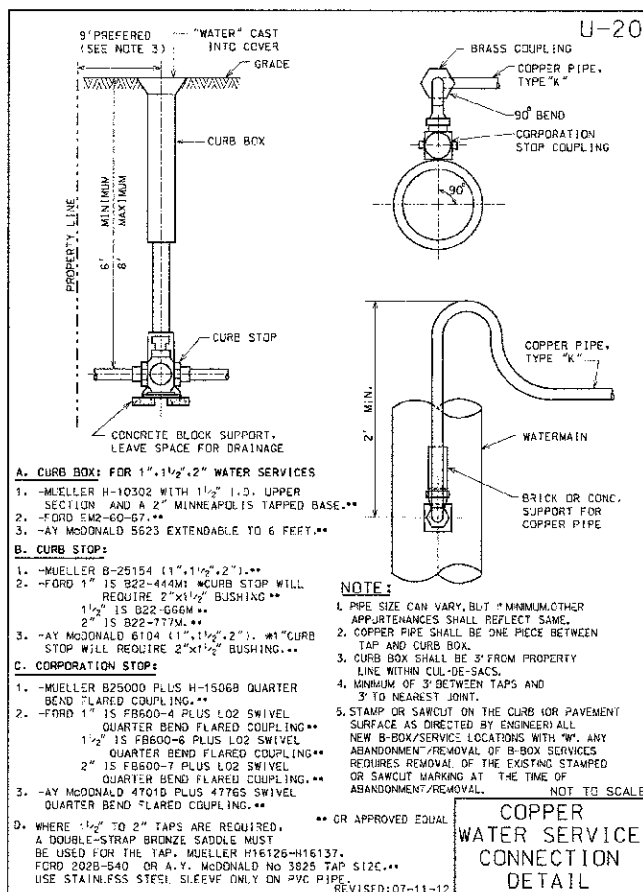
REVISED:07-11-12



NOTE:
1. ALL BENDS OF 90° AND LARGER SHALL BE BLOCKED WITH AT LEAST 10" THICK POURED IN PLACE CONCRETE BLOCKS AGAINST UNDISTURBED VERTICAL EARTH FACE.
2. ALL CONCRETE TO BE MIN. 3,000 PSI.
3. IN ADDITION TO THE ABOVE THRUST BLOCKING, ALL MECHANICAL JOINTS, BENDS OVER 10°, TEES, CROSSES, VALVES AND FIRE HYDRANTS SHALL HAVE A "MEGALUG" RESTRAINT, OR AS APPROVED BY THE ENGINEER. BOLTS SHALL BE "COR-TEN".

THRUST BLOCK DETAIL

REVISED:07-11-12



A. CURB BOX: FOR 1", 1 1/2", 2" WATER SERVICES
1. -MUELLER H-10302 WITH 1 1/2" I.D. UPPER SECTION AND A 2" MINNEAPOLIS TAPPED BASE.
2. -FORD EM-60-67.
3. -AY MCDONALD 5623 EXTENDABLE TO 6 FEET.
B. CURB STOP:
1. -MUELLER B-25154 (1", 1 1/2", 2")
2. -FORD 1" IS B22-444M; CURB STOP WILL REQUIRE 2"x1 1/2" BUSHING **
3. IS B22-666M **
4. IS B22-777M **
C. CORPORATION STOP:
1. -MUELLER B25000 PLUS H-15068 QUARTER BEND FLARED COUPLING.
2. -FORD 1" IS FB800-4 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING **
3. IS FB800-6 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING **
4. IS FB800-7 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING.
5. -AY MCDONALD 4701D PLUS 4776S SWIVEL QUARTER BEND FLARED COUPLING.
D. WHERE 1/2" TO 3/4" TAPS ARE REQUIRED, A DOUBLE-STRAP BRONZE SADDLE MUST BE USED FOR THE TAP. MUELLER H16126-H16137, FORD 202B-S40 OR A.Y. MCDONALD NO 3825 TAP S12C. USE STAINLESS STEEL SLEEVE ONLY ON PVC PIPE.

NOTE:
1. PIPE SIZE CAN VARY, BUT MINIMUM OTHER APPURTENANCES SHALL REFLECT SAME.
2. COPPER PIPE SHALL BE ONE PIECE BETWEEN TAP AND CURB BOX.
3. CURB BOX SHALL BE 3" FROM PROPERTY LINE WITHIN CURB DE-SACS.
4. MINIMUM OF 3" BETWEEN TAPS AND 3" TO NEAREST JOINT.
5. STAMP OR SAWCUT ON THE CURB FOR PAVEMENT SURFACE AS DIRECTED BY ENGINEER. ALL NEW B-BOX SERVICES LOCATIONS WITH ANY ABANDONMENT/REMOVAL OF B-BOX SERVICES REQUIRES REMOVAL OF THE EXISTING STAMPED OR SAWCUT MARKING AT THE TIME OF ABANDONMENT/REMOVAL.

COPPER WATER SERVICE CONNECTION DETAIL

REVISED:07-11-12

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DATE - 8/23/12	FILE 1:0025 12.MISC.0ETS.sh+

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NONE

STA. TO STA.

F.A.P./F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0348/1352	05-00160-00-CH	COOK	109	79
C-91-070-06		CONTRACT NO. 6.3756		
FED. ROAD DIST. NO. 1 (ILLINOIS)		FED. AID PROJECT F-0348(35)		